

**BALANCE  
CARE OF SELF, OTHERS  
AND THE ENVIRONMENT**

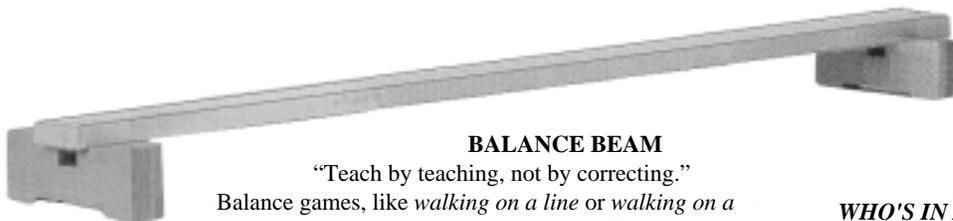
*The child can only develop by means of experience in his environment.*

*We call such experience work.*  
—Dr. Maria Montessori

**THE FIRST SIX YEARS**

Today the importance of the formative first six years of life is common knowledge. During this time a child becomes fully a member of her particular culture and family group, absorbing language, attitudes, manners, values, of those in which she comes in daily contact. A child who spends the first six years in a

Balance and walking practice are favorite activities at this age, and very important for the child's development.

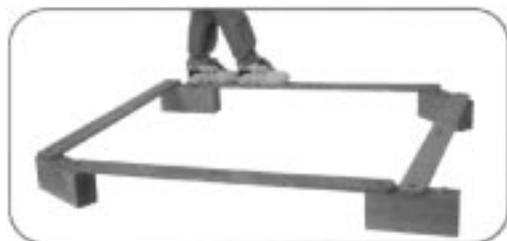


**BALANCE BEAM**

“Teach by teaching, not by correcting.”

Balance games, like *walking on a line* or *walking on a beam* teach careful balance and movement. These activities are much more successful at teaching careful movement and constantly correcting or reminding a child not to run with scissors, to “be careful” etc. A balance beam draws children to its challenge to walk carefully, or to walk carrying things and not spilling them.

This six foot long *balance beam*, made of hard maple, adjusts to two positions and can easily be manipulated by children for a number of games and challenges—blindfold walking, walking carrying a glass of water without spilling, a bell without making a sound, etc. The beam can be in a flat position so that it is 4" wide, or in an upright position, 2" wide, for more advanced walking. The *balance board walk* includes four birch plywood walking boards with four pegged, solid maple blocks for



arranging walking paths. The walking boards are 4" wide and 44" long.

Note: This is a special order: It can sometimes take up a month to receive this after ordering and it will be sent separately from the rest of your order. The shipping for heavy items is included in this price. Please keep this in mind if you are ordering it as a gift.

- CR620 Balance Beam \$100.00**
- CR690 Balance Board Walk \$160.00**

**JAPANESE BELL**

This bell is used for walking on the balance beam. The challenge is to carry it without making a sound. It is often called the *peace bell* by our customers because it calls the children to attention, or announces a celebration, with such a beautiful, gentle sound. I was first entranced by the sound of Japanese iron bells in a garden near Yokohama. The sound of this iron bell is lovely, and what a charming invitation to meals in the home. 2.5" tall, with the traditional relief pattern, it hangs from a cord, with a paper wind chime tail hanging from the metal striker.

- PE710 \$8.00**



**WHO'S IN A FAMILY**

For many sociological and economic reasons the traditional "nuclear" family—with both biological parents and full brothers and sisters living together—is in the minority today. According to the US Census Bureau, 24% of our children live in one-parent families and nearly 17 million live in "blended families" or extended families.

Whatever the situation, every child is entitled to feel good about his or her family. In this charming picture book children see a positive reflection of themselves, their friends, the people they care about. *Who is in a family?* The people who love you the most! Softcover, 8.5" x 9.5", color, 32 pages.

- DB12 \$7.95**



**BECAUSE BRIAN HUGGED HIS MOTHER**

This book is destined to become a success, you know, one of those books the child wants to hear over and over and over and over (!) so we offer it in hardcover as well as softcover. A simple act of kindness may go further than you think. Brian hugged his Mom one morning for no special reason and set in motion a series of unselfish acts that reached more people—and even animals—than he could have imagined. This is a story that happens every day, with endless variation, among good-hearted people everywhere. Color illustrations, 9" x 11", 30 pages.

- DB150 Hardcover \$16.95**
- DB155 Softcover \$7.95**



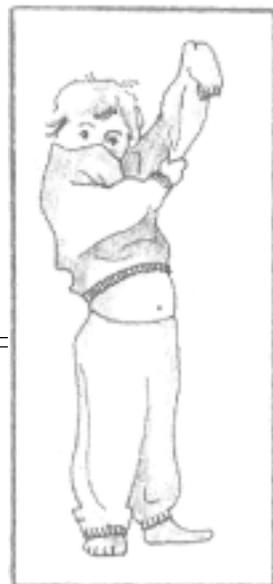
loving and supportive environment, learns to love herself and feels safe in the world. A child who has experienced the joy of making a contribution to her family or group, learns to love making an effort, and feels needed.

Every child, by instinct, wants to learn and grow to the limit of his abilities. In the first six years of life he does this by imitating those around him. To

support this need we must carefully prepare the physical and social environment, provide tools that enable the child to work to create himself, watch for those first tentative moments of concentration, and get out of the way, following the child as his path unfolds.

### **PARTICIPATING IN FAMILY LIFE** The traditional work of the family is

Learning to undress, and then dress, is important work which requires practice.



### **YOU AND ME TOGETHER**

*As this magical collection of photographs and words makes abundantly clear, parents and children find joy in each other day in and day out, over meals and at play, sharing work, making music, while dancing and praying—or just being together.*—Marian Wright Edelman, President, Children's Defense Fund.

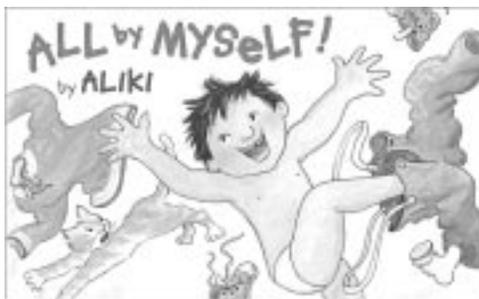
This quote says it all. Beautiful photographs, a few delightful words, inspire much conversation in the family. In the back is a world map with every country that is represented marked on the map, and the details of each photographs. Good for all ages, but especially for parent and child to read together.

Hardcover, 9.2" x 11.2", color, 30 pages.  
(\* **DB225**                      **\$16.95**)

### **ALL BY MYSELF**

This wonderful book by Aliko is destined to become a favorite. *All By Myself* speaks to every child at this age of growing independence. It shows a young boy exuberantly celebrating the joy of mastering dressing, undressing, buttoning, zipping, scrubbing, and so on. A charming picture book. Hardcover, 11.5" x 7.5", color, 30 pages.

**DB010**                      **\$17.00**



### **PELLE'S NEW SUIT**

This simple picture book, first published in Sweden, has been loved by children for over 50 years. Pelle's suit is too small for him. He shears his lamb, and has help to get the wool carded, spun, dyed, woven, and made into a fine new suit. Hardcover, 12" x 9.5", color, 29 pages.

**DB078**                      **\$17.95**

### **RED LACE, YELLOW LACE**

Learning to tie a shoe seems so easy to an adult but it is fraught with difficulties for the child just beginning to learn. This book has 10 cardboard pages (the top half of the image to the right) each with a picture of two hands carrying out one of the steps of tying a shoe.

At the bottom is a picture of a shoe with a real shoe lace so the child can practice the steps. One lace is yellow and the other red. Soon the child will be lining up the family shoes to practice. 9" x 12.5," cardboard pages.

**DB200**                      **\$11.95**



### **THE PHILHARMONIC GETS DRESSED**

Children are fascinated with bathing and dressing at this age. It is a favorite activity, topic of conversation, and subject for books. And here is the most interesting dressing book there is—a symphony orchestra getting bathed and dressed, in many different ways, to perform in a concert.

"First they get washed. There are ninety-two men and thirteen women. Many take showers. A few take baths. When they have finished washing, they dry. They use big towels and little towels and a lot of dusting powder." The lovable text is accompanied by funny drawings. A favorite of children, and of musicians of all ages. Softcover, color, 7" x 9", 42 pages.

**DR116**                      **\$6.00**



referred to in Montessori as *practical life* work. It is the single most important area of an education for life. The activities of *practical life* are generally thought of in three main categories, and looking at the child's life in this way helps to keep a balance in the activities we offer children to master. These areas of practical life depend on the culture in which the child is growing up, and may include, but are not limited to:

- (1) care of the environment—cleaning, sweeping, polishing, hanging up clothing, washing clothes, gardening, putting away toys.
- (2) care of the person—bathing, dressing, brushing teeth, setting the table.
- (3) grace and courtesy—walking carefully, carrying things, opening and closing a door, tucking in a chair when

Mopping up spills from other work is very satisfying to the child.

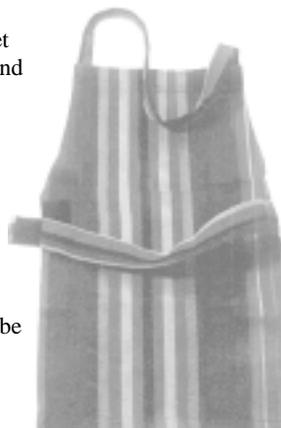


**CHILDREN'S APRONS**

**INTERNATIONAL**

**FABRICS**

Aprons set the stage for, and add respect toward important work. They mark the beginning and the end of the cycle of work, and can be used for cleaning, dusting, caring for plants, cooking, setting table, polishing furniture, any work in the home.

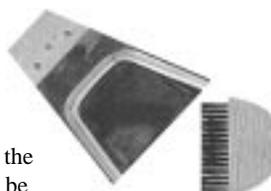


They are made of beautiful cotton fabrics from the Tibetan settlements in India, or handwoven in Guatemala. The patterns and colors are always a surprise. The neck band easily slips over the head, and there is a single waist strap with a velcro fastener at the end so the child can fasten his own apron—and not be dependent on an adult. 18" and 21" long (not counting the strap), preshrunk, machine washable, 100% cotton. The *small apron* has a long strap that could be tucked and sewn to fit your 3-6 child perfectly. The *medium apron* fits an average 6-8 year old.

- DR01 Small Apron \$13.00**
- DR030 Medium Apron \$14.00**

**TINY DUST PAN & WHISK BROOM**

This is an excellent quality, stainless steel and wood set which can be hung on the wall anywhere in the house or school for quick use. It can be used for cleaning a table, cleaning up spilled beans and rice, or with a large broom to get those tiny last bits. The broom is perfect for small hands and is easily attached to the pan by a magnet. Length 5.5", width, at the base 4.5".



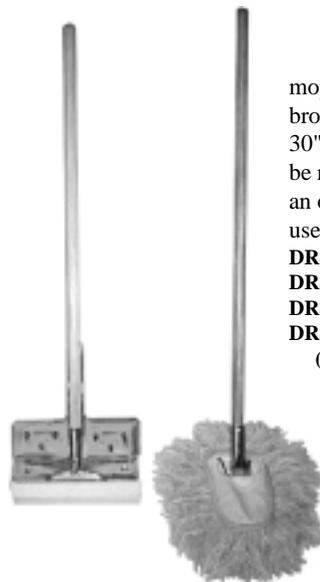
- DR35 \$10.00**

**BROOMS AND MOPS**

These sturdy children's brooms and mops are made by a manufacturer of adult brooms and mops. The handles are between 30" and 31". The head of the dust mop can be removed and washed. The cotton mop is an old fashioned replica of the one we all used before sponge mops were invented, and many people still prefer it.

- DR860 3-6 Broom \$5.50**
- DR862 3-6 Dust Mop \$6.00**
- DR864 3-6 Sponge Mop \$7.75**
- DR877 Home Set/3 \$18.00**  
(home set: broom, dust mop, sponge mop)

- DR866 3-6 String mop \$5.75**
- DR868 3-6 Push broom \$8.50**



**EUROPEAN DUST PAN & WHISK BROOM**

This is a charming, old style brush with natural bristles, a hardwood handle, and leather hanging strap. The metal dustpan is dark blue and has a lip that works better than any we have seen. A very special set for the child. The dustpan is 9" x 6.5". Made in Germany.

- DR902 \$12.75**



**MISS RUMPHIUS**

A favorite of teachers, parents, children for many years. Miss Rumphius inspired one to beautify the environment and is a validation of the child's work.

A school teacher who wanted to find a way to make the world more beautiful devoted herself to gathering the seed and spreading the beautiful lupine flower to beautify the world. Hard and softcover, 10" x 8", beautiful color illustrations, 28 pages.

- DP12 Miss Rumphius, softcover \$7.00**
- (\*) DP121 Miss Rumphius, hardcover \$17.00**



finishing work, rolling up a floor mat, offering food, saying "please" and "thank you" and so on.

It is in learning to do such seemingly mundane activities as dressing, dusting, sweeping, preparing and serving food, and fixing or building, work that the child sees going on around her all day long, that she learns to use her body and mind for a purpose, to concentrate, to complete

cycles of activity, to finish what she started, and most importantly to contribute to the important work of the family, the social group.

*Practical life* activities provide superior groundwork for physical, mental, and social development, and teach the work habits that lead to success in all later academic work.

*Practical life* work provides practice in eye-hand coordination, the control of large and small muscles, the ability to walk and to carry objects with control, and to behave with knowledge of good manners. These are the activities that bring the child's attention to his own progress and development, and that open up a world of important *work*. Learning to look a person in the eye when



**GOOD HABITS**

This chart can be hung in the child's room, family room or kitchen. Children, with a parent, decide which "job" they want to do for a week, which "habit" they want to practice. If the task they would like to do is not one of the choices there are blank stickers to make others. As the child finishes, he can turn the knob and see the comment "perfect!" or "wow!" or whatever comment you choose to make.

This should be fun, enlightening, a game. Age 3-6 is not the time for children to become responsible for doing certain jobs each day, but to be welcomed into the family work and habits as their abilities are developing.

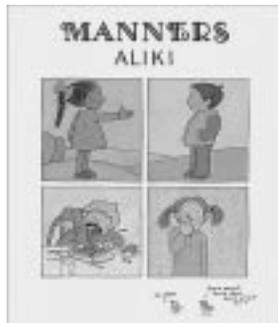
Some of the labels included are: *brush my teeth, spend time with a book, help someone without being asked, make my bed, eat a healthy food, feed/walk/clean up after the pet.*

(\*) **DR950**                      **\$20.00**

**MANNERS & FEELINGS BOOKS**

These two books show children that the way we treat each other is who we are. "Manners are the way people behave. Manners are the way you treat others. Good manners make you nice. They make others want to be with you."

Both books are full of scenarios in which children act out situations and talk to each other, much as manners are taught in the classroom. Children can relate to this way of presenting ideas. The pictures are funny and sad and very interesting. It is rare to have a child want to put either book down without finishing. And he will want to have them read to him, or to read them himself over and over again. Both books are by Alike, a favorite children's book author/illustrator. Hardcover, color, approximately 30 pages.

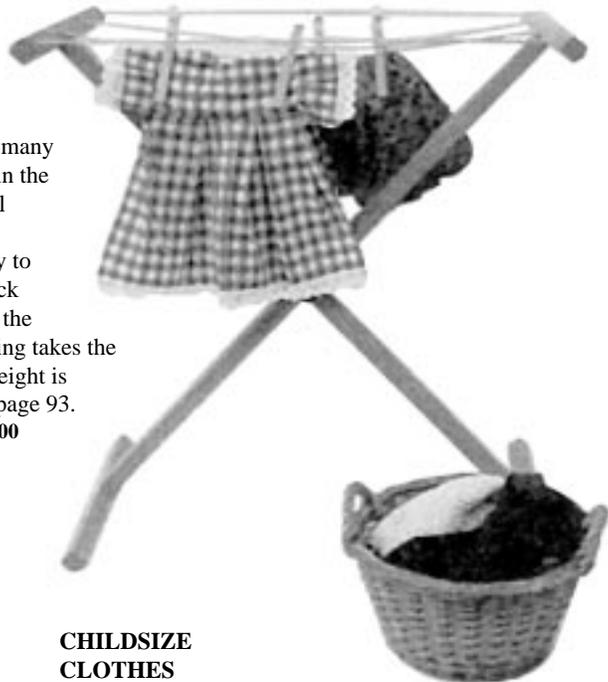


**DB10 Manners**                      **\$17.00**  
**DB11 Feelings**                      **\$17.00**

**DRYING RACK**

This is a lovely wooden drying rack made in Hungary. It folds easily and has four colored cords to hang the many *practical life* cloths used in the classroom, and even small pieces of clothing or doll clothes at home. It is easy to put a few things on the rack instead of in the dryer for the child to see how long drying takes the old-fashioned way. The height is 23.5". For the basket see page 93.

**DR910**                      **\$22.00**



**CHILDSIZE CLOTHES PINS**

Old fashioned wood and metal clothes pins are still one of the best ways for a child to practice the pincer movement of the fingers and opposing thumb. Use them for drying cloths and clothing, or paintings on large paper. A set of 36 pins, 2.75" long.

**DR920**                      **\$5.00**

**NOTE:** See laundry baskets on page 93.

**NEEDLE CASES**

These little wooden needle cases are used for holding needles and pins when a child is learning how to sew. They can be used in the home by a parent, and then the child may have his own special needle case in the sewing basket. They can be painted or left natural. Maple, 2.25" long.



**CR44 Set/2**                      **\$2.50**



speaking, to listen patiently, to exhibit thoughtfulness through good manners, enables the child to be welcomed into a social group, to be happy and to make others happy.

Children have for eons shown an interest in daily life through make-believe cooking and cleaning. It was one of the pivotal discoveries of Dr. Montessori that, given the chance, children usually

choose *real* work over *imaginary*.

Allowing the child to participate in the daily work he sees going on around him is an act of great respect for, and confidence in, the child. It helps him to feel important to himself and to those around him. He is needed.

We can empathize if we think about the difference in treatment of a stranger,

perhaps a dinner guest in our home, who is served and waited upon, compared to that of a good friend who is welcomed in our kitchen to talk and laugh while we prepare the meal together. Children don't want to be the guest, they want us to *help them to do it themselves*.

**THE CHILD'S PURPOSE**



basins

bowls

**MARBLE ENAMEL PRACTICAL LIFE PITCHERS, BASINS, AND BOWLS**

It is important to avoid the use of plastic with children and enamelware provides the perfect alternative for the many cleaning and other practical life activities that children love.

These pitchers, basins, and bowls can be used to create the washing sets that are the correct size for the age of the child, or the activities. We have chosen the favorite colors for all of these items: a light yellow or dark blue marbled pattern on a creamy white background, with the traditional black edging.

As an example of a practical life set, the *large pitcher* and *large basin*, along with the *large bucket* to the right make a typical cloth or dish washing set, two *small bowls* used to hold the soap and sponge or brush. The sizes of all can be mixed and adapted to need.

**PITCHERS:** The *large pitcher* is 8.5" tall and 10" wide.

The *small pitcher* is 7" tall and 7" wide.

**BASINS:** The *large basin* is 4.5" tall and 14.5" in diameter.

The *medium basin* is 3.75" tall and 12" in diameter.

**BOWLS:** The *large bowl* is 3.2" tall and 8.5" in diameter and the *small bowl* 2.2" tall and 6" in diameter.

- (\*) DR849 Large Blue Basin \$15.00
- (\*) DR850 Medium Blue Basin \$12.50
- (\*) DR885 Large Yellow Basin \$15.00
- (\*) DR886 Medium Yellow Basin \$12.50
- DR853 Large Blue Pitcher \$34.00
- DR854 Medium Blue Pitcher \$25.00
- DR887 Large Yellow Pitcher \$34.00
- DR8872 Medium Yellow Pitcher \$25.00
- (\*) DR912 Large Blue Bowl \$6.00
- (\*) DR914 Small Blue Bowl \$5.00
- (\*) DR916 Large Yellow Bowl \$6.00
- (\*) DR918 Small Yellow Bowl \$5.00



**MARBLE ENAMEL BUCKETS**

These very pretty, sturdy, *marble enamel* buckets exactly match the basins and pitchers for a washing set, but have many other uses in the home or classroom. The *large* buckets are 7.5" tall and 9" in diameter at the top. The *small* buckets are 5.5" tall and 6.75" in diameter at the top. The colors are light yellow and dark blue, with black edging. The handles are very strong metal with a wooden grip.



- (\*) DR440 Large Blue Bucket \$18.00
- DR404 Medium Blue Bucket \$12.00
- (\*) DR942 Large Yellow Bucket \$18.00
- DR407 Medium Yellow Bucket \$12.00

**BRUSHES**

For cleaning vegetables, the car, the sink, the floor, etc., children love to use wooden brushes that exactly fit their hands. The oval brush is made of wood, with white nylon bristles. It is 3 inches long. The round wooden brush, with natural bristles, is from Germany. It has a large, round handle, is 3" tall, and 3" in diameter.

- DR716 Oval Brush \$2.50
- DR20 Round Brush \$3.50



**POP-UP SPONGES**

These pop-up sponges are fun and practical, they expand enormously or *pop-up* when first placed in water. They can be cut into smaller pieces. The package contains 6 sponges 4" long and 2.75" wide.

- DR015 \$4.50



The child's reason for, and way of, working is different from ours. Adults will usually choose to do things the most efficient and quickest way and to rush through or avoid anything labeled *work*. A child, on the other hand, is working to master the activity and to practice and perfect her abilities. She may scrub a table each day for weeks, then turn her attention to some other activity to master.

We must not look upon this method as inconsistency or laziness but rather cumulative mastery of abilities. The child's purpose is not to complete the task as much as to construct the self.

Practical life activities may well be the most important work in the Montessori 3-6 class. By means of these activities the child learns to make

intelligent choices, to become physically and then mentally independent and responsible. She learns to concentrate, to control muscles, to move and act with care, to focus, to analyze logical steps and complete a cycle of activity. This lays the groundwork for mental and physical work in all other areas of work, not just in early childhood, but throughout life.



**TOOLS CARDS**

Clear, full color, pictures on white background teach the child the names of tools. Use these, if possible, AFTER the child handles real tools. Later these will be favorite reading cards. There are 12 unlabeled pictures, 12 labels, and 12 labeled pictures for checking work, 36 pieces in all per set. The labeled cards are 3.75" x 4.24", All cards are laminated and the corners rounded which will make them very long lasting.

**DL378 \$19.95**



**NESTING HAMMER & SCREWDRIVERS**

For a three-to-six year old this serves as a satisfying puzzle as well as a good set of tools because the hammer and screwdrivers can always be found together. This is a special indoor tool, for the home or the classroom. A steel and brass hammer containing four regular size to tiny screwdrivers that screw one inside the next.

These are real tools. The length of the hammer is almost 8", and the smallest screwdriver is a little over an inch long. Age three to adult.

**DR36 \$8.50**

**WORK GLOVES**

Just like the aprons, gloves add an element of importance to the child's work. Whether or not the gloves are really necessary for the work, it is like dressing the part, and marks the beginning and ending of the cycle of work.



These are exact duplicates of adult work gloves in the hard to find child's size for ages two to seven. They are made of cotton duck with soft suede palms and knit cuffs. Good for carrying in fire wood, woodwork, helping in the garden, even carrying in the groceries, whenever a child wants to feel like he is doing real work.

**DR26 Small (age 2-5) \$4.75**

**DR27 Medium (age 5-7) \$5.50**

**WORK BENCH**

A work bench is invaluable in the 3-6 and 6-12 classroom. And girls and boys alike enjoy being part of the parents' building or fix-it projects in the home. Having a place to keep tools and to work at the correct height facilitates the habit of working and helping. Something as simple as tightening the screws on a toy, or as ambitious as a joint project from the *Woodworking for Kids* book, will bring happiness and provide important experience for the child. This rugged, durable childsize work bench will encourage real, safe work in the classroom or at home. It is equipped with a six-inch vise and predrilled to accommodate an additional vise. The top is made from one-inch hard ply laminate, manufactured especially for use as adult work bench tops. This work bench can also be used as a potting table in the garden area, a baking counter, or for other projects the parent and child work on together in the home. The top is 19" wide and 46" long. The height is 24 inches.

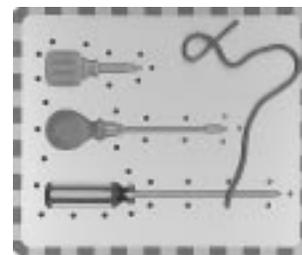
NOTE: Shipping can take several weeks. The extra shipping charge for heavy furniture is included in this price.

**DR684 \$237.00**

NOTE: See the woodworking book on page 94.

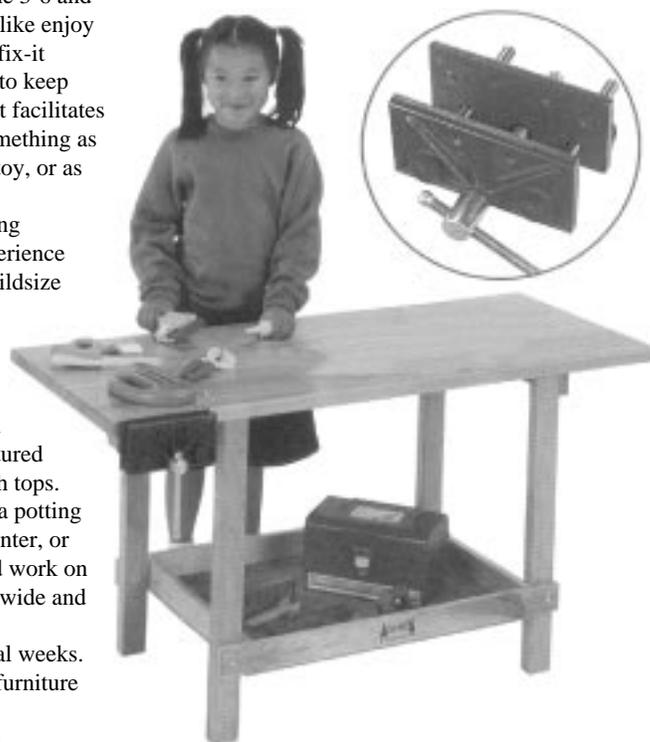
**HARDWARE LACING CARDS**

The child can practice the vocabulary of woodworking, examine colored pictures of tools carefully, and at the same time develop eye-hand



coordination by learning to lace. The set contains 5 sturdy colored lacing boards that are 9.5" x 8", with pictures of screwdrivers, tape measure, paint brush, drill, and hammer, and 5 colored laces.

**(\* DR462 \$14.00**



**FOOD**

Arranging the cooking and dining areas for the work of the child does not have to be a giant undertaking, and it does not need to be done all at once. Consider giving the child one low shelf or one drawer in the kitchen in the beginning. This could contain a cutting board and safe knife, or cereal bowls and spoons—whatever the child is most

likely to use most often.

A stool is a good first investment, so the child can reach the sink or the counter, for work. Even better, if there is room, have a small table and chair or stool out of the way where the child can prepare and eat snacks, or do his share of the food preparation.

In the classroom, there should always be a space for children to prepare snack at any time of the day, and lessons

"Crumbing" the table after lunch is as satisfying for the child as cooking, setting the table, serving food, sweeping the floor, and washing the dishes.



**CHEF'S HAT AND APRON**

There is nothing like building excitement about preparing food as dressing up to do it! And it helps the child stay focused by marking the beginning and the end of the work—from putting on to taking off the apron. This matching set of a child's apron and hat is made of white washable cotton. The aprons have a tie at the neck and waist, and the hat a piece of wide elastic at the back so that it fits several sizes. The *child's apron* is 24" wide and 24" long, and the child's hat is 10" wide at the band.



- DR630** Child's Apron      \$9.00
- DR634** Child's Hat        \$8.50

**COMPOST BUCKET**

The place to save scraps while one is cooking, as well as scraping dishes after the meal. Children even in infant communities, under age three, enjoy learning to stop wasting food with this important activity. The enamelware compost bucket is 7" tall and comes with a lid.

- CR026**      \$12.50

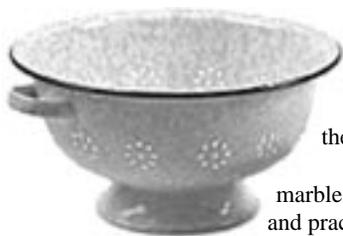


**COLANDER AND BASIN**

Having one's own place for working and equipment, makes it inviting for the child to help wash and prepare the vegetables for the meal.

This yellow on white marble patterned set is inviting and practical. The *colander* is 4" tall and 8" in diameter, the *basin* is 3"

tall and 10.5" in diameter. NOTE: the matching *small* bucket, and the scrub brushes on page 5 can be used with this set.



- DR470** Small Colander      \$12.50
- (\* **DR471** Small Basin      \$10.50
- (\* **DR472** Colander/Basin Set      \$22.00



**OLIVEWOOD NUTCRACKER**

The beautifully grained wood of this elegant version of the traditional nutcracker attracts children to work. It is a piece of art as well as an important tool for cracking nuts and giving wrists practice in control. The nutcracker is 5.5" long when extended.

- DR250**      \$13.75

**TINY CLEAVER**

This childsize cleaver knife looks just like the ones used by French chefs, but it is only six inches long! It is made in Japan of stainless steel, with a wooden handle. The blade is 3.5" long, and safe enough for a child. USE UNDER ADULT SUPERVISION.



- DR45**      \$4.00

**APPLE SLICER**

Neatly core an apple and slice it into ten even segments for a special snack preparation. With a little help from the adult, even very young children can enjoy using this tool. This apple slicer has stainless steel blades, two solid easy-grip handles, best quality, made in Germany. It is 6.75" long.



- DR21**      \$7.50

(\* ) = new item

on how to do the work, and how to clean it up in preparation for use by the next child. This is an exercise in contributing to the good of others—preparing and serving snack, and cleaning up.

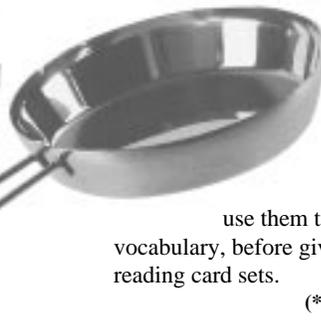
### PRACTICAL TASKS AS THE FOUNDATION FOR ALL LATER WORK

It is not uncommon for the value of *practical life* or *family life* exercise to be

misunderstood. I have heard parents exclaim in dismay that their child is "wasting time cleaning in her new Montessori school when she should be doing math!" However, math and all other intellectual work requires the ability to move carefully, to focus, to complete sequential steps, to concentrate, to make intelligent choices and to persevere in one's work. This is exactly what is learned during practical life work. As a

result of periods of time spent concentrating on such a task a child becomes calm and satisfied and, because of this inner peace, full of love for others.

Perhaps an even more important result of this work is that the child sees himself already as an important and contributing member of the group, and as an intimate friend, when he is welcome to participate in the work of the adult. Think about the difference between how



### STAINLESS STEEL COOKWARE

This is a professional quality tiny cookware set made of dishwasher-safe stainless steel. The sauté pan and stock pot are 4.75" in diameter, and the saucepan is 3.75" in diameter. The set includes a lid for the sauce pan and a lid that fits both the sauté pan and the stock pot.

Children would rather be involved in real cooking than pretend, so when the adult is preparing a meal or snack he or she could help the child fry one of the eggs in the sauté pan, or heat a bit of the soup in one of the two pans. Or just ladle some of the food into one of the pans and have the child put the lid on to keep it warm.

When it is not possible for the child to be involved in the real work he or she can practicing washing and drying these pans, or arranging a space for them in the kitchen alongside the family's larger equipment.

In the classroom the teacher will use them to introduce kitchen equipment, and vocabulary, before giving the child kitchen utensil reading card sets.

(\* DR924 \$20.00

### MINI GRATER & JUICER

This amazing set of tools can grate, shred, juice, pour, measure, and separate eggs. The grating attachment fits snugly on top of the measuring cup so that all of the carrot or cheese goes into the container and small hands are protected. If you have not used an egg separator before now you are in for a treat. Even children will overcome their hesitation about cracking eggs with this little tool. All the parts conveniently store inside the 5" x 3" x 3", 2-cup measure, and children enjoy the challenge of putting this "puzzle" of pieces together after it is washed and dried.

DR066 \$8.95



### GLASS JUICER

For years we have searched the antique shops for these heavy old-fashioned glass juice squeezers. Today they are coming back into fashion and are even made in a perfect size for children!

There is no substitute for the pleasure of hand squeezing the juice from a lemon or an orange with this tool. The child holds on to the glass handle, then pours the juice out via the spout. In a *Casa de Los Ninos* I visited in Mexico the children had fresh squeezed lemon water available all day at the snack table. Height 2.5" in the middle, base diameter 4".

DR46 \$11.50

### VEGETABLE PEELER

Just the right size for the smallest hand for peeling carrots, potatoes—a favorite in communities of young children. This European vegetable peeler is 4" long. USE UNDER ADULT SUPERVISION.

DR43 \$4.00



### MULTI CHOPPER

This chopper makes interesting patterns on anything the child is cutting up to prepare for snack or meals, in the classroom or at home. It can be held with two hands or one. Plastic handle and stainless steel chopper. 5" long.

DR707 \$4.50



close you feel to your own guests. If all the work is done by you in anticipation for the guest's arrival, that is one relationship. When a friend joins you in your preparation of the meal, that is a closer relationship. The child benefits most from this close relationship with the parent, whether it be in scrubbing or cutting up the vegetables, washing or drying the dishes, setting the table, cleaning out

the cupboards or refrigerator, mixing the muffin batter, and so forth.

When a child has a lot of experience with the important developmental tasks called "practical life" he becomes more successful in all other areas of study and in relating to others.

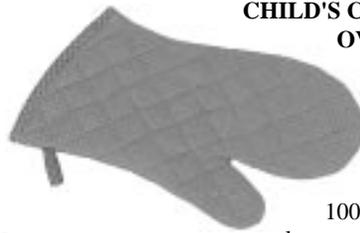
These children are free to prepare snack, set the table with placemats, napkins, china and glassware, and enjoy each other's company over food, at any time of the morning.



**EGGBEATER**

This is a real, well-made kitchen tool, made for adults, which happens to be the perfect size for children, to work alongside a parent or older sibling at home, or to use in the classroom. The eggbeater comes in slightly different styles depending on the best one we can find at the time you order. It is 9.5" long and fits easily into the hand of a three or four year-old.

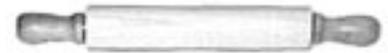
**DR173 \$7.50**



**CHILD'S COTTON OVEN MITT**

This dainty red and orange checked mitt with green edging is made of 100% cotton. It is 8" long and 4" across at the wrist, and has a green checked loop for hanging up near the child's work place. Machine wash in cold water and tumble dry.

**DR640 \$6.00**



**ROLLING PIN**

The tiny (but adult) rolling pin is used in Italy to smooth the tops of ravioli and is of the best quality. It is not a toy, but is the perfect size for small hands. It is made of hardwood and is 9.25" long.

**DR177 \$3.00**

**MEASURING CUPS & SPOONS**

We have chosen these particular measuring spoons and cups because of the superior quality and the very secure grasp possible with these handles.



In a 3-6 class in Japan I once saw an activity called "curry-making" in which the appropriate measuring cups and spoons, very like these, were laid out with the ingredients, as a completely prepared activity—and the child-cooked curry dish was served for lunch. The longest of the four measuring cups is 6", and the longest of the set of four measuring spoons is 3.5". They are made in China of stainless steel.

**DR312 Cups, Set/4 \$11.00**  
**DR315 Spoons, Set/4 \$6.00**

**FLOUR SIFTER**

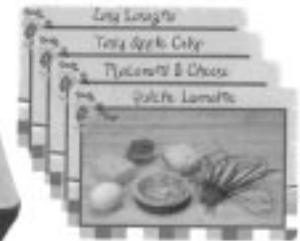
Mixing the flour, baking powder, baking soda, and sugar by means of a sifter instead of a spoon, makes the muffins or cake taste better. And it is much more fun, and good eye-hand control practice for the child, and also usable by the adult. This childsize stainless steel flour sifter holds up to one cup of flour and is easily turned by a child by means of the wooden handle. It is 4.5" tall and 3.3" in diameter.

**DR620 \$6.50**



four easy-to bake recipes. Dishwasher and microwave safe.

**(\*) DR922 \$17.00**



**PORCELAIN BAKEWARE SET**

These make lovely child-size serving dishes, or for a special treat when you are baking let the child pour a little bit of the mixture into these real pans to make child size portions. Shorten the baking time. They are real blue and white porcelain, including a 7" lasagna pan, a 5.25" scalloped oval baking dish, a 3.5" ramekin, a 4" quiche dish and

*The most important discovery is that a child returns to a normal state through work. Countless experiments made upon children of every race throughout the world have shown that this is the most certain datum that we have in the field of psychology and education. A child's desire to work represents a vital instinct since he cannot organize his personality without working: a man builds himself through working. There can be no*

*substitute for work, neither affection nor physical well-being can replace it. A man builds himself by carrying out manual labor in which he uses his hands as the instruments of his personality and as an expression of his intellect and will help him to dominate his environment. A child's instinct for work is a proof that work is instinctive to man and characteristic of the species.*

*... if we showed them exactly how to*

*do something, this precision itself seemed to hold their interest. To have a real purpose to which the action was directed, this was the first condition, but the exact way of doing it acted like a support which rendered the child stable in his efforts, and therefore brought him to make progress in his development. Order and precision, we found, were the keys to spontaneous work in the school.*

—Dr. Maria Montessori



#### COFFEE GRINDER

The first time I saw one of these devices in use was when I was visiting a classroom, and a child ground coffee and made a cup for me! I was astounded. This is a real coffee grinder which can be adjusted for medium or fine grind and used in the house—the child helping with the preparation of the meal. It is made of wood and metal. Show the child how to turn the handle slowly, and to separate the beans while grinding (when the noise stops and the beans are lodged) with a chopstick or toothpick. It is 4.6" x 4.6" at the base, and 7" tall.

**DR100 \$29.00**



#### CHEESE PLANE

A quick snack, and healthy: *thinly* sliced cheese. Children enjoy learning the perfect angle to use this traditional Scandinavian cheese slicer. Wood and stainless steel construction, 8.5" long.

**DR740 \$5.50**



#### PORCELAIN ANIMAL PITCHERS

What a delightful treat to serve juice or milk in these tiny animal pitchers. They are easy to fill and the pouring is slow and gentle from the rabbits mouth and the baby elephant's trunk.

The rabbit is 2.5" tall and 3.25" long, and the elephant is 2.5" tall and 3.5" wide.

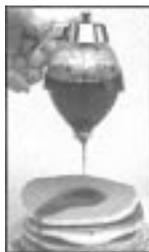
**DR732 Rabbit \$4.00**  
**DR730 Elephant \$4.00**



#### MELON BALL MAKER

At age six this was our daughter's favorite birthday present! It can be used for any kind of melons for an attractive and interesting snack, or even for *butter balls* for a fancy meal or tea. It is excellent practice of eye-hand coordination for the child (and the adult—I'm still learning) as he learns to make the two sizes of more and more perfect spheres. Metal and wood, 8.25" in length

**DR700 \$4.00**



#### HONEY/SYRUP DISPENSER

When we first discovered this jewel of a honey server we gave it to all of our relatives for the holidays! Honey and maple syrup are better for children than sugar, and this utensil allows a child to serve himself without making a mess. With the squeeze of a button the honey or syrup is dispensed through the bottom of the glass container. Then the container is placed back in the glass holder/stand which is included. The honey dispenser, with the stand, is 6" tall. NOTE: not for thick or crystallizing honey.

**DR074 \$14.50**



#### FRENCH PORCELAIN RAMEKINS or SPOONING PRACTICE DISHES

These traditional French dishes are sometimes used for individual custard deserts, or tiny servings of French onion soup. The are a favorite with children for serving "tea" goodies, or nuts and snacks of all kinds.

They are also used for spooning practice, moving seeds and grains from cup to cup, so good for balance and eye-hand control. When children have practiced and learned how to spoon without spilling they can use the same cups for real food—for serving tiny pieces of cut up carrots, cheese, fruit. This is a set of six child-size porcelain bowls or *ramekins* made in China. They are 1.6" tall, and 3.3" in diameter, and come in a boxed set of 6.

**DR672 SET/6 \$16.00**





When I was visiting this 3-6 classroom a young lady asked if I would like tea or coffee and then prepared a pot of English Breakfast complete with milk and sugar!

**THE NEEDS OF THE PARENT**

Parents do not always have the time to include the child in everything and should not feel bad about this. A teacher is available to the child for this work all day long, and trained to give lessons and help the child grow toward independence. It is too much to expect a new parent, or a busy parent to do this perfectly. We must be easy on ourselves in the home and plan a time when we will enjoy work as

well as the children.

Begin with just one thing, perhaps putting the napkins on the table for a meal, and gradually add to the tasks in which the child can participate, and eventually take over. This effort on the part of the parent pays off for the adult as well as the child as we observe that the child's method of working is not just to get the task finished, but to enjoy it!

One of the most important lessons



biscuit or lunch plate

**WHITE PORCELAIN TABLEWARE**

Real porcelain dishes and cups are not for the child to play with, but are to be used, under adult supervision, for the child's daily or special meals. Setting the table, eating, and washing up real porcelain dishes challenges a child to be careful. This shows respect for a child, and he will rise to the responsibility with pride.

This is high-quality, beautiful white porcelain, the best available. The cups are 2.25" tall and the saucers 4.5" in diameter, and the lunch plate 6.5".

The small cream pitcher is 2.5", The tall juice pitcher 3.5". The porcelain bowl, for soup or cereal, is 5.5" in diameter and the "sake" cup is 2" tall.

- DR57 Biscuit (or lunch) Plate \$4.00
- DR56 Cream Pitcher \$4.50
- DR54 Cups & Saucers (Box 4 each) \$11.00
- DR58 Set of 4 Biscuit Plates \$16.00
- DR59 Juice Pitcher \$12.00
- CR37 Porcelain Bowl \$4.50
- CR38 Porcelain "sake" Cup \$3.00



**FLATWARE GIFT SET**

Half the trouble children have in learning to eat properly with silver is the size of the utensils. And children's flatware is often made of materials and with decorations which further complicate the problem. Any child will welcome a gift of this elegant 3-piece place setting of stainless steel flatware, made by the sterling silversmiths Oneida in their famous Paul Revere pattern. The perfect size—spoon 5.1" long, knife 6.2", and fork 5.8". They come in a lovely gift box.

DR60 \$23.00

**FLATWARE INDIVIDUAL PIECES**

The individual flatware pieces are made by the same famous company as the boxed set. They are slightly longer, slightly lighter, and often used by schools for the lunchtime meal. The knife is 6.6", the fork 6", and the spoon 5.3" in length. Excellent for the daily meals in the home as well as in the classroom.

- DR616 Spoon \$3.00
- DR617 Fork \$4.00
- DR618 Knife \$4.00
- DR619 Flatware Set/3 \$10.75



juice pitcher



cup & saucer



**CHILDREN'S TEA SET**

While the other tableware on this page is intended for meals, here is a smaller, colored porcelain set that can be used for play, for tiny snacks, and for vocabulary practice in the classroom where real meals are not served and so real porcelain not available. The colors remind one of the old fiesta dishes, lime green, peachy orange, bright yellow, and dark blue.

To give an idea of the size, the saucer/plate is 3.8" in diameter and the teapot holds 8 ounces of liquid. Contents: teapot and lid, 4 saucers/plates (use as either), 4 cups, a creamer, and a sugar bowl with lid. NOTE: the larger of the woven trays on page 93 holds the set nicely and the smaller woven tray is perfect for two of the Japanese fish plates on page 12.

(\*) DR758 \$19.50



bowl



"sake" cup



cream pitcher

we can learn from the child is how to bring our whole selves, mentally, physically, and spiritually, to the task at hand, to focus on each thing we do, and to enjoy each moment of life.

**THE NEEDS OF THE FAMILY**

I remember once reading a study on teenagers. A group of the happiest, balanced, most successful, and healthiest teenagers were identified by their peers and teachers and studied to find out what

they had in common in their upbringing. There was no correlation with family social status, economic level, race, religion, types of school, private classes, camps, I.Q. or anything else obvious. The only thing that they had in common was that they shared a meal once a day with the rest of their family, without television. It did not matter which meal, or any of the other details of a meal.

The implications of the value of

spending time each day communicating with a group of people who care about one, give us a lot to think about.

Life has changed, but the need to feel a part of a group has not. Cooking and eating are something everyone does every day. Perhaps taking a few moments to work together to cook something, to set the table, just one little thing each day, can keep the whole family on the path to wholeness.



**BLUE WILLOW DISHES**

This beautiful traditional blue and white porcelain bears the pictures of an ancient Chinese legend that has become well-loved around the world since it was enshrined in teapots, cups, dishes, by the British in 18th century England.

Two young lovers, thwarted in their love, are turned into turtledoves. The

porcelain *blue willow* teapot, with tea infuser, is 5" tall and 8" long. The cups (or

little bowls) are 3" in diameter, the little plates is 3.5" in diameter. They come in a set of 4 each. Children delight in finding the elements of the story on the dishware.

- DR140 Blue Willow Teapot and Infuser \$14.00
- DR142 Blue Willow Cups & Plates, 4 each \$18.00
- DR144 Blue Willow Teapot, Cups, Plates Set/9 \$31.50

**JAPANESE FISH PLATE  
JAPANESE FLOWER BOWL**

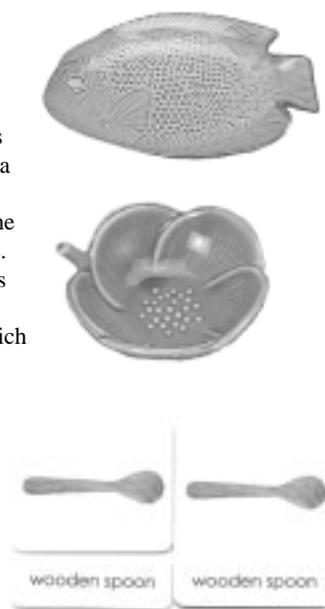
These lovely blue Japanese serving bowls and plates are probably our favorite pottery at home. The shape and texture on the fish plate are so realistic that one can even feel the raised fins and scales. The glaze is a rich blue fading into browns, just like a tropical fish. We use ours at least once a day at home and keep one on the stove for a spoon rest. It will add a special touch to the snack table at school. The fish plate is almost 6" long, 4.5" wide. The beautiful flower bowl is used for elegant tiny snacks, such as raisins, grapes, cheese cubes, and also for many practical life exercises in the classroom. It is 3" in diameter, and glazed in a rich dark blue.

- DR026 Fish Plate \$5.50
- DR031 Flower Bowl \$3.00

**KITCHEN UTENSILS CARDS  
COLORED & LAMINATED**

These beautiful "first" vocabulary cards are printed in full color, laminated, the corners rounded, and they will last for years. First teach the child the names of these objects with REAL OBJECTS, then using the unlabeled cards as flashcards to practice and solidify the vocabulary. When the child begins to read single words she can read the label, match it to the picture, and then check her own work with the labeled cards. This makes it possible for a child to practice reading at anytime, without help, and is far more valuable than having a child read aloud. There are 12 unlabeled pictures in each set, 12 labels, and 12 labeled pictures for checking work. 36 pieces in all per set. The labeled cards are 3.75" x 4.24", All cards are laminated and the corners rounded.

- DL376 \$19.95



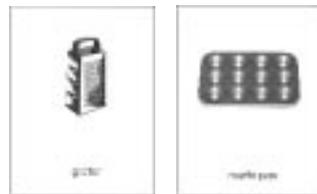
**THE WILLOW PATTERN STORY**

*Fly with me, over China, and down into the landscape of the willow pattern.* Thus begins the story of an old Chinese mandarin, his beautiful daughter Koong Shee and her wish to choose a husband instead of marrying the old merchant Ta Jin. The 5-6 year old will love the pictures and comparing them with the *willow china*, and later will understand the story. Softcover, 1-.5" x 8.5", color, 24 pages.

- (\*) DL149 \$6.95

**BLACK & WHITE  
KITCHEN OBJECTS CARDS**

We made these simple cards to give practice naming, and later reading, the most common items found in the average kitchen. It is important, as always, that the child have experience seeing, handling, using these things before they learn the name. If you wish to make 3-part card sets, please order two of each. The set contains 22 different black and white pictures, with the name written in lower case letters at the bottom. The pictures and names are printed on 4" x 5.5" cardstock.



- DL026 Set/24 \$6.50

## TOYS &amp; GAMES

## ACTIVE PLAY

We have to understand that the world can only be grasped by action, not by contemplation. The hand is more important than the eye. It is the hand that drives the subsequent evolution of the

brain. I have described the hand when it uses a tool as an instrument of discovery. We see that every time a child learns—to lace his shoes, to thread a needle, to fly a kite or to play a penny whistle. With the practical action there goes another, namely finding pleasure in action for its own sake—in the skill that one perfects by being pleased with it. This at the

bottom is responsible for every work of art, and science too: our poetic delight in what human beings do because they can do it. The hand is the cutting edge of the mind.

—Jacob Bronowski  
*The Ascent of Man*



## SKIP ROPE

Toys that get the child out into the fresh air, breathing deeply, laughing, these are the most important first activities. Jumping rope is a favorite child's activity in many, many countries. It is fun, it gradually develops

balance and strength. Combined with

the rhythms handed down from generation to generation it teaches rhythmic movement, and it can be done on ones own as easily as with friends, siblings, or parents.

Our favorite version is a 9' brightly colored rope with wooden handles. It comes in a metal box with a little booklet containing several skipping rhymes from ages past.

(\*) DT630 \$10.00

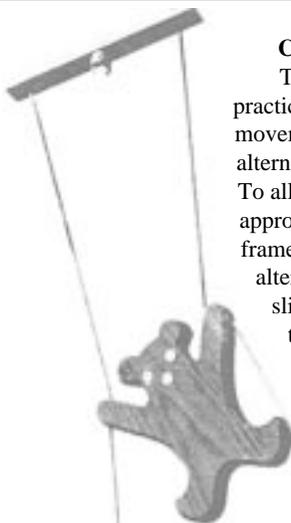
## THE ART OF YO

Another great large-muscle toys is the yo-yo. This balances yo-yo is made of rock maple and comes ins a tie dye pouch with a 20-page booklet with ideas of tricks to do.

In the beginning the young child will just learn to wind up the yo-yo for an older child to work. Then he will learn the trick of making the yo-yo go up and down on the string. This takes concentration and control of movement. It will help the child develop concentration and eye-hand control.

The yo-yo is 2.75" by 1.5.

(\*) DT631 \$8.50



## CLIMBING BEAR

This ancient traditional toy gives the child practice in balance, concentration, and physical movements that use the two sides of the body alternately, an exercise that is very good for the brain. To allow for free movement fasten the toy at an appropriate height—at least 4" from the wall or door frame—and the child will learn go pull the strings alternately to make the bear climb. Then he will slide down and climb again. Even adults enjoy this activity. Wood and natural cord, the bear 5.5" tall.

DT160 \$11.00



## COLORED CYLINDERS

Visual discrimination of sizes and shapes is made clear with these cylinder puzzles.

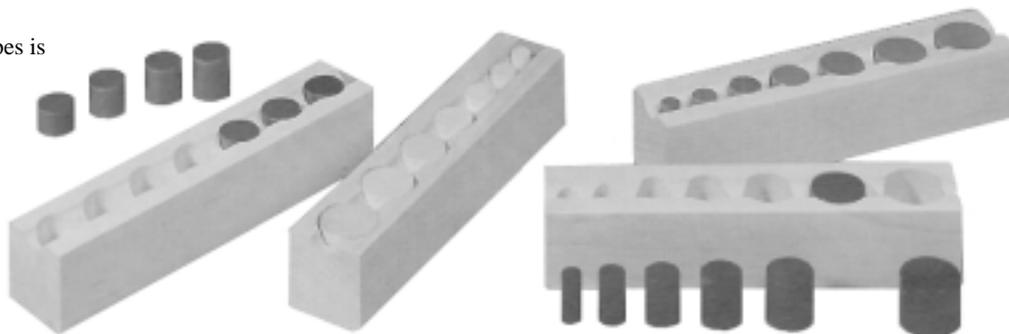
They can even eventually be done blindfolded. Each natural hardwood block holds seven cylinders which vary in dimensions in four different ways, and each has its own vocabulary for the child to learn. The red cylinders vary in height, the diameter staying the same, clearly showing *tall* and *short*. The blue cylinders vary in diameter and height:

*large* and *small*. The green cylinders vary in diameter, height staying the same: *thick* and *thin*.

The yellow cylinders vary in height and diameter: *short, tall, wide, narrow* or *thin*. Each block of cylinders is 9.5" x 2.5" x 2.5".

These are similar to the cylinder blocks and the knobless cylinders which are basic sensorial materials in the Montessori 3-6 class.

DT046 \$40.00



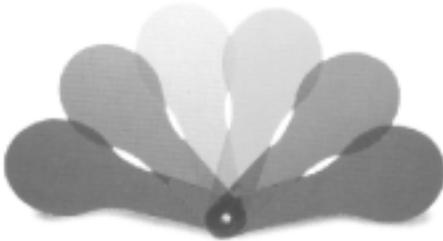
**MOVEMENT**

It takes work on the part of the adult to withstand the temptation to let the child spend hours in front of the television or the computer, but it is well worth the effort to support the natural development of the child. Television accustoms the child to be a passive receiver of information rather than an

active questioner or researcher. And the intelligence of computers does not hold a candle to the kind of creativity inborn in the human being. The child needs large muscle movement and gradually more and more refined large and small muscles—legs, trunk, arms, hands, to the *pincer* movement of thumb and fingers.

**THE SENSES**

The young child is vividly aware of the world, taking in impressions through all of her senses. This is the time of life when lifelong habits are formed. To help lay the groundwork for the child's ability to think, create, experience, and create throughout life, we must help now. We take special care in providing toys that

**COLOR PADDLES**

This is a fun and clear introduction to the concept of color mixing and a preparation for art and for physics. These six transparent plastic paddles can be combined to show the formation of the secondary colors. The primary colors are red, blue, and yellow. If we combine any two of these we will make one of the secondary colors of green, purple, or orange. Along with the primary colors, there is one paddle each of the secondary colors for further exploration. 6 inches long.

**DT347 Paddles, Set/6 \$8.00**

**SOUNDTRACKS**

A classic game to refine listening skills while having a fun game of lotto, soundtracks contains a tape of familiar and interesting sounds such as a bee, lightning, the click of a camera, splashing water, a car, a frog, the sound of a potato chip being eaten, ocean waves, laughing, and a piano. Contains 4 lotto cards, a cassette tape, and game pieces.

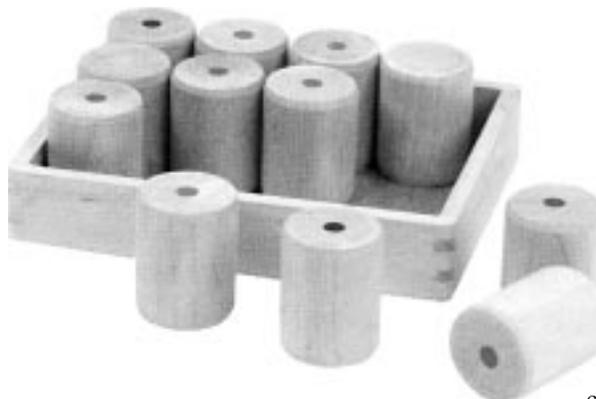
**DT060 \$15.00**

**SWEDISH ANGEL CHIMES**

A charming, delicate, musical sound to focus a child's listening, and watching, as the angels turn with the rising heat of the candles. These chimes are known in different countries, as *Los Angelitos*, *Carillon des Anges*, and *Anglaspel*.

We almost never use it without someone wanting to experiment to see how fast the wheel goes with one - two - three or four candles burning, or with tiny birthday candles. What a wonderful memory this makes, watching and listening, with the lights out. Brass, about ten inches tall, from Sweden. The chimes come with 4 candles.

**DT375 Chimes & 4 candles \$14.50**  
**DT38 Box of 20 candles \$5.50**



These six pairs of wooden weight, or *baric*, cylinders invite children to pick them up and weigh them with their hands to discover a match. They are color-coded on the bottoms for self-correction. This work builds concentration and perception skills and provides the experience for meaningful language heavy, heavier, heaviest, light, lighter, lightest. As with all sensorial work the child then becomes more aware of the environment and more precise in using language. The cylinders are 2.5" tall, 1.75" in diameter. The wooden box is 8" x 6" x 1.5". The set weighs 9.7 pounds.

**DT001 \$36.00**

**MATRESHKAS**

We have seen matreshkas used in schools for children of all ages—from 1-doll in an infant class, to 6-doll in the 6-12 classes where they are used to demonstrate the relationship in plant and animal classification, one category within another. Matreshkas are often collected as family heirlooms.

Beautiful, delicately hand-painted, fun, "Russian Nesting Dolls" are a traditional folk toy representing the passing of one generation to the next, one inside the other. Each region has its own traditional style of doll, the styles occasionally are different than those shown here, but they are of excellent quality, not to be confused with mass-produced contemporary dolls.

**DT14 Small (4 dolls) \$10.00**  
**DT15 Medium (6 dolls) \$13.00**



support this development, toys made of natural materials. Toys rich in variety of weight, color, texture, and purpose, of the best quality available, toys engage the child's intelligence as well as his body.

**SENSORIAL MATERIALS - TOYS**

There are special toys or *sensorial* puzzles in the 3-6 class, such as the *pink*

*tower*, the *color tablets*, and the *sound boxes*, that illustrate concepts such as *large* and *small*, *hot* and *cold*, *loud* and *soft* and so on.

These materials have a specific way to be used because it is in this way that the child develops an understanding of the concept each is designed to teach. These can be thought of as *puzzle* toys

because of the specific way to use them or to put them together, uses as specific as with woodworking and cooking tools, or musical instruments.

The understanding of such concepts contributes to the creativity of the child in the home and school.

These *sensorial materials* are not necessary in the home, where parents can

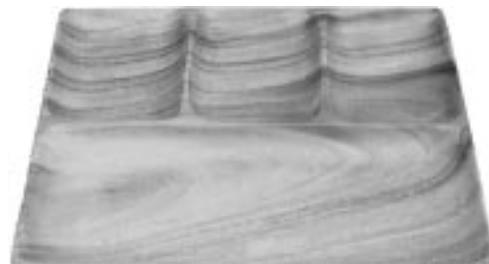


**TEMPERATURE BOTTLES**

Children love to match temperature bottles. In London we filled them every morning with cold, tepid, warm, and hot water, then nestled them into little special homemade crocheted "socks" which kept the temperature stable for the whole morning.

If you mark the pairs on the bottom—i.e. matching colored dots on the bottom of the hot bottles, etc., the child can check his own work. The bottles are 4.25" tall and 1.25" in diameter, silver colored metal with a black plastic screw-on lid. A set of eight bottles.

**DT41 Set/8 \$18.00**



**3-OBJECT SORTING TRAY**

Classifying and sorting 3 types of objects into this beautiful wooden tray is a favorite, very satisfying, activity for children. They do it first visually, then even blindfolded. Sorting is a function of the mathematical mind and a lot of fun. The beautiful wood tray adds satisfaction to this work. It can be used for sorting many kinds of small items—rocks, buttons, beans, coins, seeds, etc. The tray is 11", handcarved in the Pacific islands.

**DT400 \$14.75**



**HAMMER BOARD**

One of our most popular toys, this version of the favorite traditional hammering toy is made in Germany. It comes with a natural cork base for pounding, that is 10" x 6.5". There are 100 wooden pieces—triangles, circles, trapezoids, squares, rectangles—painted red, green, blue and yellow. The nails are rounded at the top and easy to handle and the wooden hammer is just the right size and weight for this work.

**DT42 \$27.75**



**WOODEN MARBLES AND BLOCKS**

This unique toy from Canada has been entertaining and educating children for nearly 100 years. Its simplicity makes it both fun and creative. Patterns can be built, the wooden marbles nestled into the wooden frames, and also vertical designs can be created. Sorting and arranging the colors is the foundation of math and logic.

The set contains 41 wooden marbles of each primary and secondary color—red, orange, yellow, green, blue, and purple. There are 16 wooden blocks embossed on both sides with 25 dimples that secure the marbles. The set comes in an old fashioned lidded box that is secured by a black ribbon.

NOTE: because of the size of the pieces this toy is recommended for children from age 4 and older.

**(\*) DT770 \$40.00**



**4-OBJECT SORTING TRAY with SHELLS**

We have this tray made locally exactly to our specifications. The smooth sides of the indentations make it possible for the child to feel the shape of even the tiniest bean or seed, for sorting with eyes open, and eventually blindfolded.

This tray is for sorting 4 kinds of objects. It is 7" x 12", made of finely polished hardwood. The set of forty small shells contains ten each of four different kinds. One can also, of course, use pebbles, beans, buttons, many different sorting objects.

**DT12 Sorting Tray \$25.00**  
**DT13 Shells \$2.75**  
**DT125 Tray/Shells \$26.00**

find other ways of introducing these experiences in the daily life of children—feeling the temperature of the bath water, exploring tastes while baking, and color or size with toys, etc.

Different than *puzzle toys* are those with open-ended use. These also teach valuable skills when combined with specific abilities. For example a child

learns how to hold a nail and use a hammer safely before she makes pictures with the hammer board. Learning how to carry blocks and put them away is an important part of block play.

If a child is included in the regular food preparation in the family and the real table setting and dish washing, he is not going to be interested in pretending to

cut a wooden banana with a play knife. If children are raised without early exposure to television and computers, they get used to the wonderful feeling of physical movement and work, and of reading and interacting with people, and have much less patience for passive entertainment.

The most important element in selecting toys and creating an

### BEAD STRINGING

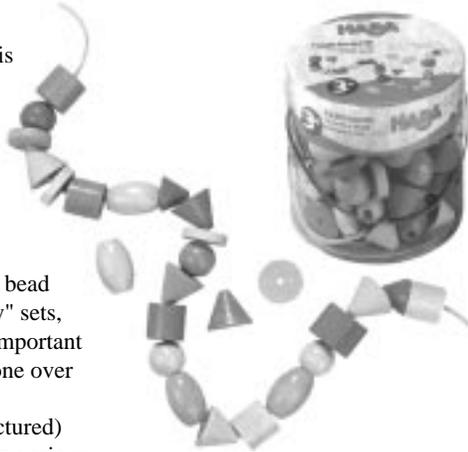
Bead stringing is often one of the first toys a child is given in the Montessori 3-6 class, a link-with-the-home toy that provides practice with the pincer movement (thumb and index finger working together) and practice with concentration. Even though bead sets sometimes say "jewelry" sets, the bead stringing is more important than jewelry, and will be done over and over.

The *large bead set* (pictured) contains 72 wooden beads in various shapes and colors, and three 27" cords.

The *small bead set* contains 42 round beads (.6" in diameter), two heart shaped beads and a 30" cord for stringing

NOTE: because of the size of the pieces this toy is recommended for children from age 4 and older.

- (\* **DT762 Large Bead Stringing Set** \$16.75  
 (\* **DT763 Small Bead Stringing Set** \$7.50

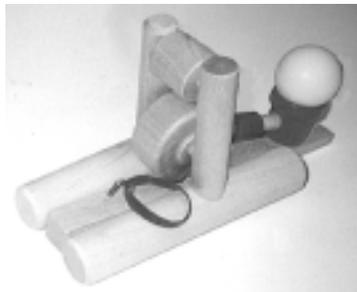
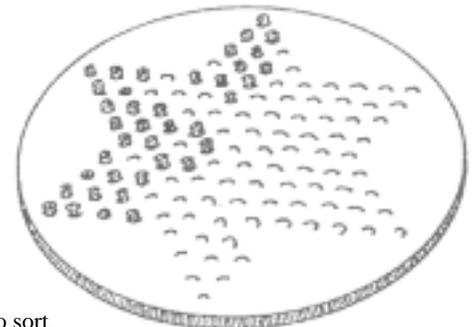


### PEGBOARD - CHINESE CHECKERS

We recommend this old-

favorite game as a valuable peg board and patterning activity for children. The young child will spend a long and happy time taking the pegs in and out of the holes of the wooden board, gradually learning to sort them by color and then to make patterns and designs. She will be proud to have important work to do with something she sees older children and adults "work" with (when playing Chinese checkers). Even older children have been known to have their handwriting magically improve after practice with small knobs. 12" in diameter.

- DT32** \$18.00



### CATAPULT

The *wooden catapult* demonstrates basic physics of movement and is operated by the energy of a taut rubber band. It will accurately toss a ping pong ball 12 to 14 feet. We recommend that this be used for an older child, age five or six, and under adult supervision at first. Wood and rubber, 7 inches long. Six ping-pong balls and directions are included. CONTAINS SMALL RUBBER BANDS. USE UNDER ADULT SUPERVISION.

- DT710** \$21.50



### LARGE LOCKS BOX

This is a toy, a place to hide things, and excellent practice for learning to manipulate many of the locks and latches one finds around the house—without getting into forbidden cupboards! There are three compartments to be opened, each from two or three different doors. There are ten doors and ten different locks, each with its own set of difficulties and techniques to learn while the child opens and closes. This work develops hand control, muscle strength, and finger dexterity. The superbly crafted box is made of alder. The length of the box is 19", and it is 6" wide and 7" high.

- CT44** \$96.00

### RUBBER BAND CAR

This wooden car is operated by energy stored in a wound rubber band. In the process of winding, once or twice or a lot more, a child learns about the physics principles involved. With two cars children can compare the distance cars can go when the rubber band is wound a contrasting number of times. Wood and rubber, 7 inches long. CONTAINS SMALL RUBBER BANDS. USE UNDER ADULT SUPERVISION.

- DT700** \$14.00



environment for children is to include materials which will engage the child's mental faculties for a long period of time, combining movement of the body with the work of the brain. Toys should lead to concentration and fun.

### INTRODUCING TOYS

In the Montessori 3-6 classroom the teacher shows each new piece of sensorial material to a child with great excitement, showing how to handle the materials, where it goes, and a first presentation of what to do with it. It is the same at home. Sometimes, when it is not obvious what can be done with a toy, or there are no older siblings or neighbors around to imitate, the adult

can simple play with the toy in front of the child as an inspiration. At home as in the class, the adult can watch for the moment when the child is finished and offer to help put it away, having thought out ahead of time where it might go. This prevents mishandling of toys and provides the needed order in the environment and is an example of the saying:

*Teach by teaching, not by correcting.*

### THE FARM

A *Farm* is found in almost every 3-6 classroom. Besides the value of arranging the farm and acting out the daily life of the humans and animals, it is used in the language area. Vocabulary is taught and little language games are played: for example the child learns about nouns and adjectives by labeling the animals which vary in size and color.

This *stable* or *barn* is made in Germany. It is constructed of wood and wood particle board. It is 21" long.

The *beginning farm animal set* of eight farm animals is the *Farm Animal set* offered in *Michael Olaf's Joyful Child, for Birth to Three* (See page 99). It contains a pig, goose, cow, hen, turkey, goat, sheep, and horse.

The *advanced farm animal set* contains a complimentary collection of animals, especially for the variety needed in the grammar games. For example the pig in the beginning set is a sow. In the advanced set there will be a boar and a baby pig. The animals may change but we will always provide a wide variety of color. Set: farmer, farmer's wife, male and baby pig, male and baby cattle, rooster, male and baby goat, male and baby sheep, male and baby horse. The animals are from 2" to 6" in size, the best made.

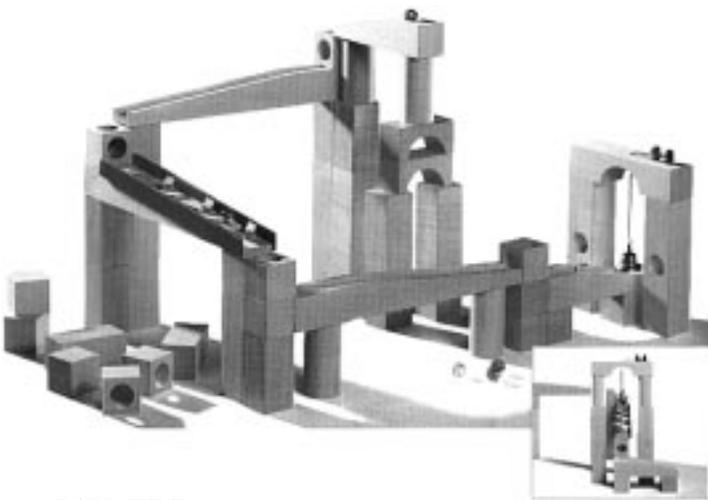
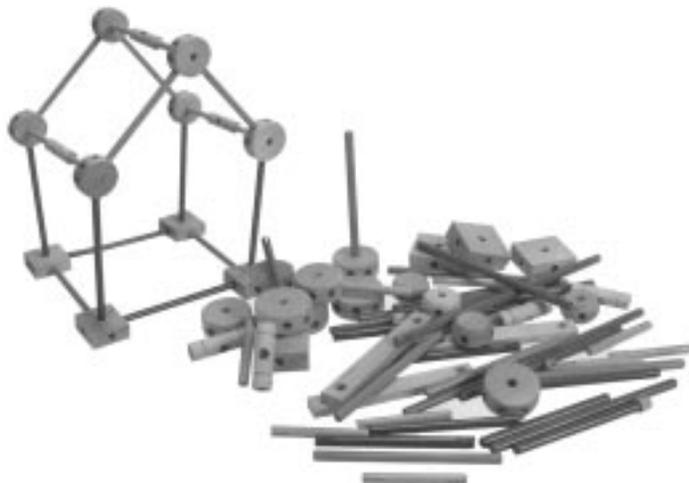
DT550 Barn/Stable	\$95.00
CA300 Beginning Farm Animal Set/8	\$28.00
DT560 Advanced Farm Animal Set/13	\$39.50



### MAKIT TOY

This toy is very similar to the old favorite tinker toys of our youth, and will proved hours of experimentation and building. It contains 70 assorted pieces and comes in a 11" tall round tube container that makes it easy to put away the work when the child is finished. The wheels and other pieces with holes are natural wood colored, and the wooden dowels come in various colors.

(\*) DT765 \$18.50



### BALL TILT

Who would think problem solving could be so much fun. There are many ways that these hard Maple blocks with grooves and holes can be combined and arranged to make the marbles roll at different speeds and in different directions. One of the units contains a brass bell hung from a red string. The blocks can be arranged so that, as the marbles roll, the bell is rung. This set can be combined with any building blocks for even more fun. There are 48 carefully sanded and finished pieces in all.

DT023 \$75.00

**BLOCKS, PUZZLES  
& GAMES**

Blocks have been a favorite of children the world over forever, and nothing else has been so conducive in leading the child to the valuable long periods of concentration, creativity, and happiness. They can be made from simple stones, clay bricks, pieces of

tree branches, or polished hardwoods. The attraction is that the imagination of the child is set free to create relationships between these physical objects, and to explore them endlessly.

Many mathematical and geometric relationships and architectural concepts are discovered, and physics principles are discovered as the structure gets too tall or too heavy. The child can also work out personal problems by

**TRADITIONAL BUILDING BLOCKS**

In choosing work that will engage a child in creative activity for long periods of time, building blocks win hands down. As far as planning, focus, and concentration, there has never been a toy in our house that has engaged a child for longer periods of time in constructive activity. Blocks are probably the most important creative toys for young children. Through block play a child learns about physics—the relationship between weight, balance, and stability. The child improves physical coordination and eye-hand control, and learns about geometric plane and solid forms. Combined with the use of little human figures and animal models, blocks are extremely good for the imagination and the processing of everyday events and emotions.

The *Individual Set* contains 45 pieces, 14 shapes, and weighs 16 pounds. The *Starter Set* contains 86 pieces in 14 shapes and weighs 50 pounds.

The *Intermediate Set* contains 170 pieces in 21 shapes and weighs 87 pounds. These highest-quality blocks are made of kiln-dried northern hard maple (20% stronger than soft maple). Each block is finely sanded, all edges beveled and corners safely rounded. They are based on the traditional unit of 2.75" x 5.5" x 1.25." The blocks are specially made and can take up a month to receive. Price includes the extra shipping costs on heavy items.

<b>DT259 Individual Set (45 pcs)</b>	<b>\$109.00</b>
<b>DT264 Starter Set (86 pcs)</b>	<b>\$225.00</b>
<b>DT265 Intermediate Set (180 pcs)</b>	<b>\$460.00</b>

**BLOCK/TOY STORAGE**

Half of the fun of building with blocks can be creative ways to put them away neatly, in a different way each time. And this lengthens the time the child will spend concentrating on her work. For the classroom we recommend the above Block Shelf, and for the home, the Block Cart. Both can be moved by the child so that she can build with the blocks wherever in the home or classroom it suits her.

Both units are caster-mounted and can easily be moved by the child. The *block shelf* enables the child to sort blocks by size and shape. The *block cart* is 24" wide x 15" deep x 16.5" tall. The *block shelf* is 24" wide x 15" deep x 35" tall. Both are made of high quality birch plywood with long-lasting finish and smoothly-sanded edges. Just like the blocks these storage units can take up a month to receive. Price includes the extra shipping costs on heavy items.

<b>DT358 Block Shelf</b>	<b>\$242.00</b>
<b>DT045 Block Cart</b>	<b>\$111.00</b>

**KEVA ARCHITECTURE PLANKS**

This simple construction system provides a unique building experience that children instinctively know how to use. *Keva* enthusiasts range from toddlers to architects, everyone building at his or her own skill level. *Keva planks* are perfectly cut, identical construction blocks that stack with surprising stability; narrow towers can reach all the way to the ceiling. This is possible because of the simplicity and precision cut of the pieces. The single module, the *plank*, is long and thin—4.25" x 1" x .25", and can create an unlimited number of structures: bridges, walls, domes, houses, roofs and figures. This type of visualizing, building, and sculpting, helps to develop the child's manipulative skills, sense of balance, symmetry and beauty, concentration and creative spirit. A manual is included. The *Standard Set* comes in a sturdy cardboard box and contains 200 Maple wooden planks and the 16-page booklet. Made in the USA.



(\*) **DT300** **\$55.00**

playing with blocks, animal models and little people. In our experience, next to doing real family work, playing with blocks has been one of the most important toys to give the young child.

**PUZZLES**

Puzzles provide visual discrimination practice as the child figures out exactly how the elements fit

together visually, and eye-hand control as the pieces are fitted together. They teach the child that work/play is not only open-ended but can have a beautiful and logical structure. They more easily give practice in the beginning and ending of an activity and the satisfaction of completion. The progression of puzzles is first 1, 2, or 3 piece knobbed puzzles (found in *Joyful Child, Michael Olaf's*

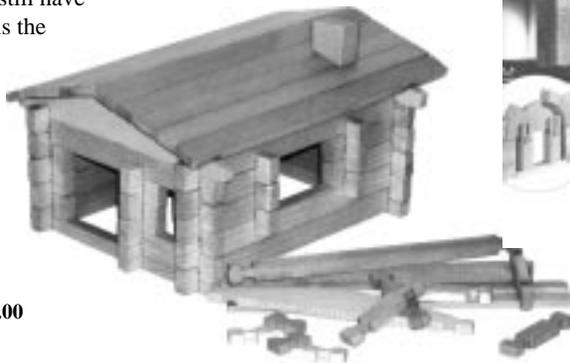
*Essential Montessori for Birth to Three*), then multiple-piece knobbed puzzles, simple jigsaw puzzles in frames with gradually increasing numbers of pieces, then cube puzzles and regular cardboard jigsaw puzzles.

Just as a child is eager to know the exact techniques for using a kitchen or woodworking tool, a gardening tool, or the technique of playing a musical

**LOG CABIN PLAYSET**

Invented in 1930, these were known as *Lincoln logs* when we were little, and we still have fond memories of them. This set is the favorite of all available. There are 140 wooden pieces, and they come in a handy storage canister. They have a classic handmade look, an expertly engineered fit, and are stained with a non-toxic dye—brown logs, the original red wooden gables and green roof planks.

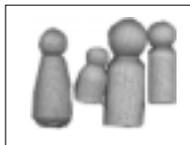
(\* ) DT580 \$30.00



**TINY WOODEN FAMILY OF 4**

Here is a very affordable set of tiny figures to represent people in a child's creative play with blocks. Maple hardwood, 1" - 2.5" in height, they resemble a man, woman, boy and girl, and can be decorated or used as they are. A set of four.

DT185 \$3.50



**ARCHITECTURAL HISTORY BLOCKS**

There is nothing like building with blocks to create structures of different kinds to open our eyes to the styles of buildings we see in magazines, books, and in real life. These sets contain hardwood blocks, of eastern United States maple, in shapes which enable the child to recreate architectural wonders of the world.

The *Egyptian Pyramid Set* is built in layers so one can see the chambers inside. There are 67 pieces in 18 shapes.

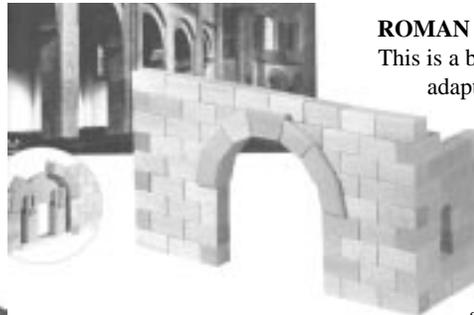
The *Mayan Pyramid Set* exemplifies the civilization of Mexico, Guatemala and Belize 1500 years ago. There are 80 pieces in 14 shapes.

The *Middle Eastern Set* contains the onion domes which give the special look of the 7th through 16th centuries in Persia, Syria and elsewhere in the Middle East. There are 50 pieces in 13 shapes.

Finally, the *Capitol Set* recreates the style and grandeur of the state capitols and municipal buildings of many states, as well as the United States Capitol. There are 70 pieces in 25 shapes. Directions are included with the Egyptian Pyramid and Capitol Set because these two are built in layers. The others can easily be constructed by looking at the picture on the box (which we recommend cutting out and saving).

The illustrations on this page show the models assembled in front of an example of the original structure.

- DT750 Egyptian Pyramid \$44.00
- DT752 Mayan Pyramid \$40.00
- DT754 Middle Eastern Set \$30.00
- DT756 Capitol Set \$42.00



**ROMAN ARCH**

This is a brand new adaptation of the arch material that has forever been in the Montessori 3-6 class. Using the same principles as the

Romans the child builds the arch over the arch support that is removed after the keystone has been placed in the middle of the top of the arch, and the wooden walls are completed.

This shows the principle of that magical keystone that holds the arch in place supporting the weight above it. There are 144 pieces, made of hardwood.

DV30 \$35.00



instrument, she wants to know the exact ways to use "puzzle toys." We would be doing a child a disservice if we allowed her to use anything—blocks, a violin bow, a hand mixer—as a hammer, for example. This does *not* stifle creativity, but facilitates it!

Playing with open-ended toys, such as dolls, blocks, art materials, and so forth, is made infinitely richer by the

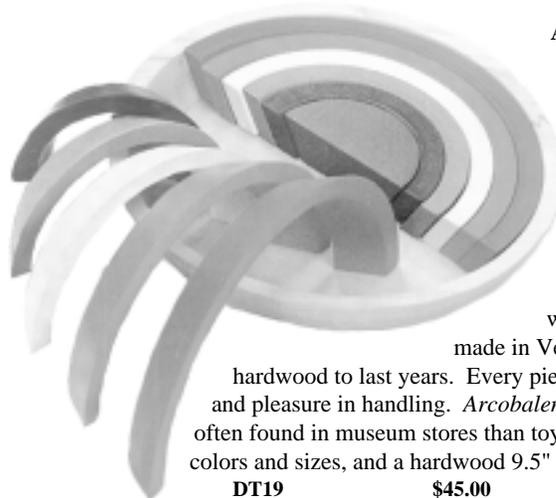
child's knowledge of exact techniques in handling any toys or materials.

Through the use of good materials the child learns how to think, to concentrate, to follow a thought and a cycle of activity, and to solve problems. She learns to bring the use of her body and especially her hands under the control of her will, to be self-disciplined. This is the foundation for the creativity of

a professional artist or composer, and for the creativity of a child at any age.

**GAMES**

Thinking games such as chess hold a fascination for children. Our children and grandchildren loved learning the names of the pieces, and the way they could move, at a very early age. Competition did not enter into it, just the fun of



**ARCOBALENO**

Arcobaleno is a puzzle and a construction toy rolled into one. Children can assemble the arches to construct a circular puzzle and can stretch their imaginations to create bridges, tunnels, bowls, domes, towers, corrals, spiral houses, and fascinating sculptural forms. The beautiful wooden forms of natural wood, and bright rainbow colors, are made in Vermont from the finest maple and birch hardwood to last years. Every piece is sanded and finished for beauty and pleasure in handling. *Arcobaleno* is Spanish for *rainbow*. This is more often found in museum stores than toy stores. Twelve arches in six different colors and sizes, and a hardwood 9.5" tray.

**DT19 \$45.00**

**THINK & MATCH PUZZLES**

Here is a set of twenty simple 2-piece puzzles which inspire children to use logic—paint goes with paintbrush, dustpan with broom, pencils with pencil sharpener, feet with socks, etc. Only the correct pieces will fit together so the "control of error" is in the material. Aside from a simple puzzle they can be used as a concentration game with two or more children. Place all pieces upside down and take turns turning over two pieces at a time—trying to remember where the matching pairs are. Each two-piece, heavy cardboard, puzzle is 5.75" x 2.5".

**DT650 \$13.00**



**JIGSAW PUZZLES IN A BOX**

Each box contains four 12-piece wooden jigsaw puzzles which fit in the four separate sections of the box. Each of the pieces is coded on the back so the child can, at first, use this as a sorting exercise, and learn how to carefully close the sliding lid. There are two subjects: construction vehicles, and vehicles (fire engine, airplane, school bus, and train engine). The pictures are brightly colored and realistic, laminated to the puzzle pieces. The child should be shown how to carefully take apart the puzzle pieces. The box is 7.5" x 5.5" x 2.5".

**DT239 Building Machines, Set/4 \$10.50**  
**DT244 Vehicles, Set/4 \$10.50**

**CUBES EN BOIS (CUBES IN A BOX)**

These traditional Swiss *cubes en bois* (cubes in a box) have been a favorite gift for children for many years. Each set of 1" wooden painted cubes comes in a pinewood box with a sliding plexiglass lid, and with directions.

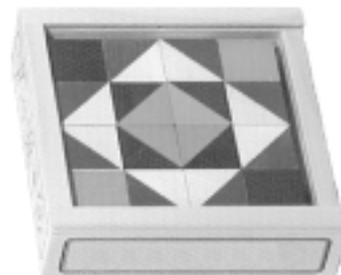
The animal cube puzzle comes in a rectangular wooden box, 5" x 3.75" x 1.75", and contains 6 cubes which can be put together to create six different animals. Pictures of a dog, duck, owl, parrot, fish, and a cat . . . silkscreened onto a plain wooden background.

With the mosaic puzzle a child can create an endless variety of geometric designs, in and outside of the box. The colors are blue, yellow, red, and green. The wooden box is 5" x 5" x 1.5".

**DT476 Swiss Animal Puzzle \$39.50**  
**DT496 Swiss Mosaic Puzzle \$39.50**



Swiss Animal Puzzle



Swiss Mosaic Puzzle

moving the little figures and trying to remember which one could do what.

Cooperative games teach children to work together, to help each other, to consider the good of the other person or the group as well as oneself, instead of fostering competition and winning. Competitive play cause players to feel isolated or left out. The action is secretive and can result in hard feelings or

arguments. The adult can help the child turn other toys and games into this kind of activity. In environments where children work and play independently and cooperatively, they learn the most valuable kind of socialization—helping each other. We consider this true socialization and preparation for positive interaction throughout life.

#### AN INTRODUCTION TO LATER ACADEMIC STUDIES

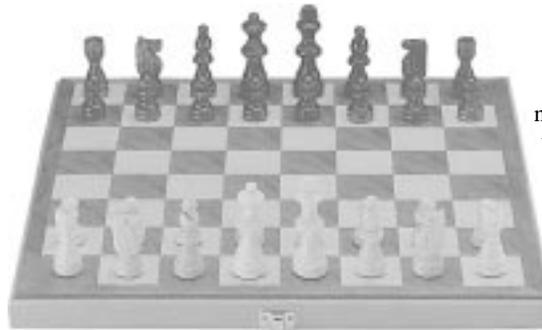
In the following pages you will find ideas for introducing the child to the world. We do not believe in pushing a child, but we believe strongly in providing an environment rich in all areas of learning so that the child can choose, from his own intuition, what he is ready to learn. Young children show an amazing interest in a

#### FLOOR PUZZLES IN A BOX

When assembled these floor puzzles are 2 x 3 feet, providing a lot of movement as well as thinking. Each of the two puzzles has 24 jumbo pieces and they are packaged in a colorful box with a rope handle. The stylized contemporary art is on the side of the box so that the child can stand the box up as a guide while assembling the puzzles.

The box is 7.5" x 5.5" x 2.5."

- (\*) DT600 123 Floor Puzzle \$15.00  
 (\*) DT601 Farm Floor Puzzle \$15.00



#### CHESS SET AND BOOK

Children love learning the names of these interesting little wooden chess pieces—*king, queen, bishop, knight, castle (or rook), and pawn*—especially when they come in this lovely wooden box with a clasp. The chess board/case is 15" square, the king 3" tall. We take a

LOT of leeway in teaching chess to the child, emphasizing fun, and following the child. We might just play a "pawn game" or a "castle and king" game, the goal being to take turn moving pieces, to practice the rules of each, to get across the board. There is no need to win or lose, and the adult can adapt and enjoy this new way of looking at chess with the child.

The book *Checkmate at Chess City* has mazes for moving pieces, and stories that teach how each piece moves. It looks similar to a "Where's Waldo" book. The book comes with little flat squares with pictures of the chess pieces to move on a magnetic board in the back of the book. Hardcover, 12" x 10", color.

- DT525 Chess Set \$39.00  
 DT520 Chess Book \$9.00



#### TRADITIONAL GAMES FOR ALL AGES

There are very good reasons why all of the games here have stood the test of time. There are variations in many different countries. Recently when I was in Thailand I was taught a game just like jacks only with small rocks. Instead of bouncing a ball we threw one of the rocks up in the air and then scooped up the ten thrown rocks, one at a time, then two at a time, and so forth, before catching the first rock that had been thrown in their air. It made me realize how important the skills are of these old favorites.

What we like about this particular selection is the quality of the game pieces, the containers for each, and the directions that are included. The *Tiddly Winks*, *Marbles*, *Hopscotch*, *Dominoes*, and *Jacks* all come in a sturdy metal box 5" x 3.5" x 1.75", and the 10", colored wooden *Pick-up Sticks* come in a brightly colored cloth bag. Different physical

and mental skills are developed with each game.

- (\*) DT591 Tiddly Winks \$10.00  
 (\*) DT593 Marbles \$10.00  
 (\*) DT595 Hopscotch \$10.00  
 (\*) DT590 Dominoes \$10.00  
 (\*) DT594 Jacks \$10.00  
 (\*) DT592 Pick-up Sticks \$8.00



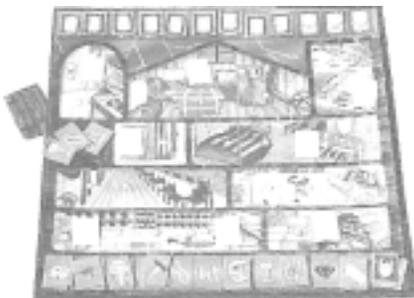
wide range of subjects.

A rich environment, full of interesting activities having to do with music, art, history, geography, science, language, and math, inspires curiosity, fosters broad interests, and extends the child's experience. Observations of child in such homes and schools have taught us to focus on the preparation of an early environment, rather than trying to

"teach." This allows the child to choose and to teach herself. The adult's challenge is to be sure that the environment offers all the key experiences necessary for laying this foundation.

Rather than relying on verbal lessons given by an adult, or computers and TV, or videos (or other examples of passive learning), we provide the child with real

life activities from which she will really learn and remember what she learns. We can, with planning, create an environment that is rich in experiments, games, materials, and books which the child can select as an interest arises, providing valuable experiences of the hand and mind working together for an intelligent purpose.



### THE SECRET DOOR

The Secret Door is a cooperative *mystery* game. Some valuables have been stolen and the players, together, search through the mansion for clues to find them. They must be found before midnight or the thieves may slip away with all the booty. Children really enjoy figuring out what is behind the door. And because of the cooperative principle, everyone is part of a team that discusses ideas and shares strategies. Each game is different, exciting and tricky. Young children are on an equal footing with adults in this game.

Contents: Full color 12" x 12" inch board, rules, clock cards, set of valuables. For 1-8 players ages 4 or 5 and up.

ER04

\$17.00

### MAX

A cooperative game. Parents delight in the cooperative way children are called upon to use logic in getting the little creatures home and safe from the cat, and in getting the cat "Max" fed. Game board, game pieces. For 2-8 players, ages 4+.

DT070

\$17.00

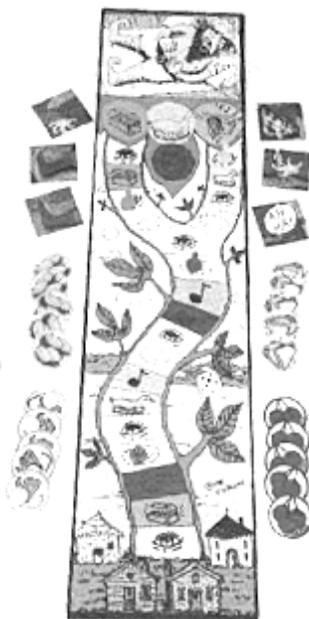


### SLEEPING GRUMP

A cooperative game. The grump has taken all the Village Treasures. Just as in the story of Jack in the Bean Stalk, we climb while he sleeps to try to get them back—working together. A favorite for many years. Game board, game pieces. For 2-4+ players, ages 3+.

DT075

\$17.00



### COOP GAMES

### FUNNY FACE

A cooperative game.

Although most people enjoy playing all of these cooperative games, this one is perhaps the adult favorite. It contains command cards with actions for the players to read and mime as they help each other get ready for the "party." It is a hilarious introduction to drama. Note: This game is also a very good verb-discovery game. Game board, game pieces. For 3-10+ players, ages 3+.

DT29

\$17.00



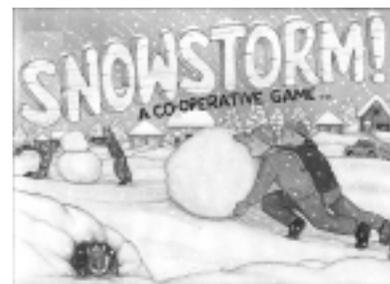
### HARVEST TIME

A cooperative game. First each player *plants* a garden by placing little game pieces on the vegetable pictures. Then they take turns rolling the die to "harvest" the crop. A white roll brings a piece of winter and the purpose of the game is for everyone to get their crops in before winter comes. This only happens when the players help each other!

This was the first cooperative game we ever played and it gave me chills—it felt so good to be playing a game for the good of all instead of being in competition. 12" square board and game pieces. Ages 3+, 1-4 players.

DT33

\$17.00



### SNOWSTORM

A cooperative game. A winter storm hits a city. Granny & grandpa, uncle & aunt, mom & dad, and our best friend's family have things to do, places to go, errands to run. The goal is to help everyone finish them before the storm hits. Skills of communication, decision-making, and creative thinking are nurtured. For 1-12 players, age 4+. 12" Game board, rules, game pieces.

DT030

\$17.00

**THE EARTH**

*It is not enough for the teacher to restrict herself to loving and understanding the child; she must first love and understand the universe.*

—Maria Montessori

Interest in and love for the study of astronomy, earth, ecology, physics, and

chemistry can all begin now when the child is the most interested in new experiences, when she literally absorbs everything in the environment.

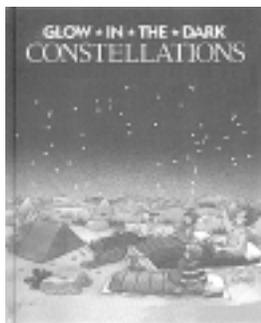
The first lessons about Earth come from nature—experiences of the sun and wind, playing in sand and water and mud, seeing the sun rise and set, watching the stars at night, visiting the seashore, and from the child's own collections of rocks and minerals.

Father and son, discovering a bay first hand (San Francisco)



**EARTH/PHYSICS CURRICULUM FOR THE 3-6 CHILD**

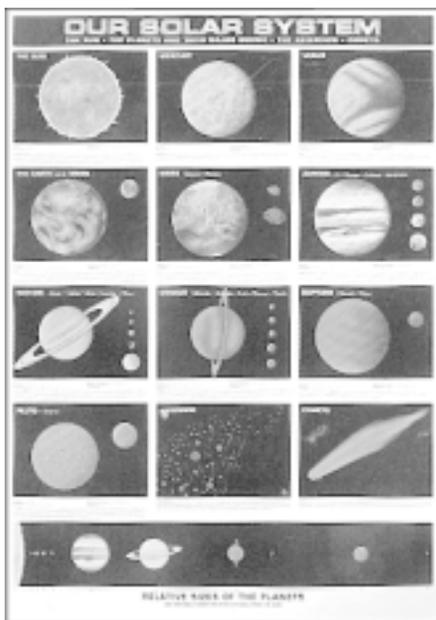
See page 100 for information.  
**GB70 \$5.00**



**GLOW IN THE DARK CONSTELLATIONS**

Imagine a child sitting in a dark closet studying the constellations from this book—and then finding them in the night sky. Inside this handy beginner's guide there are glow-in-the-dark illustrations of major constellations, step-by-step directions for finding more than 30 stars and star groups, brief re-tellings of the legends behind the names of the constellations, and eight simple glowing sky maps. Softcover, 8" x 10", color, 28 pages.

**DE080 \$9.00**



**SOLAR SYSTEM POSTER**

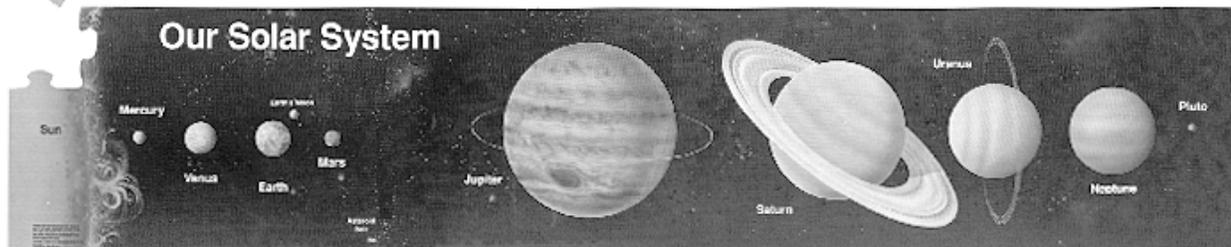
A decoration for a child's room or classroom, which reinforces what he is learning about the solar system. It is very simple and attractive, 22 x 28 inches, in full color. Nine planets are shown, in relative size, on a black background. The distance from the sun of each is given.

**DE38 \$8.00**

**SOLAR SYSTEM FLOOR PUZZLE**

This five-foot long floor puzzle has been a favorite of 3-6 classes for a long time, and it has just been reissued. At the left of the puzzle is a representation of the edge of the sun. The planets—Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, and Pluto—are then pictured in their relative sizes and order from the sun. This enjoyable piece of work makes a strong sensorial impression of the planets and their sizes and relationship to the sun. The puzzle is in full color, 48 large pieces made of heavy cardboard.

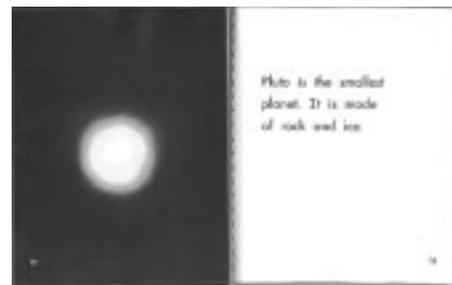
**DE190 \$15.00**



**FIRST "OUT IN SPACE " BOOKS**

These four library-bound hardcover books form the basis of the astronomy library. The informative text that accompanies the clear colored pictures is presented in the best "first reading" format. Each book begins with a clear, first, "Table of Contents," and ends with a short glossary, internet site and book recommendations, and a very short and usable first Index. They will be used for a wide age range of beginning readers. Hardcover, 6" x 7", color, 24 pages.

- DE105 The Moon \$11.95**
- DE106 The Planets \$11.95**
- DE107 The Stars \$11.95**
- DE108 The Sun \$11.95**
- DE110 Out in Space Set/4 \$47.00**



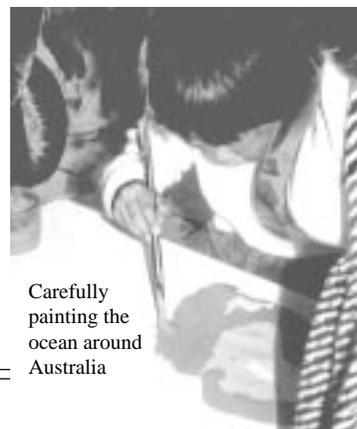
**MOTOR-SENSORIAL EXPERIENCES**

We do not give long verbal explanations since the child is at the motor sensorial period of life. Not until the age of six or seven when the imagination reaches beyond the limits of the senses, does the child prefer explanations over hands-on experiences.

At this age we give what are called *sensorial keys*—rocks, globes, puzzle maps, and land forms, pictures of the sun, moon, planets, and a few constellations and cloud

formations (and only the most simple commentary) to go along with the experience of these materials.

It is not until the age of six and beyond, when the child has a different kind of mental approach to learning, which is centered around the imagination, that we give explanations and details about subjects which must be studied with the imagination, such as the history of the solar system, and the inside of the earth, and so forth.



Carefully painting the ocean around Australia

**WORLD MAP POSTER**

There is no substitute for a good, up-to-date world map hanging on the wall of the home or classroom, for easy reference. This one, from Italy, is lovely to look at, and shows both the physical and political elements of the world, and 192 flags. It is 36" x 24", large enough to find what one is looking for.

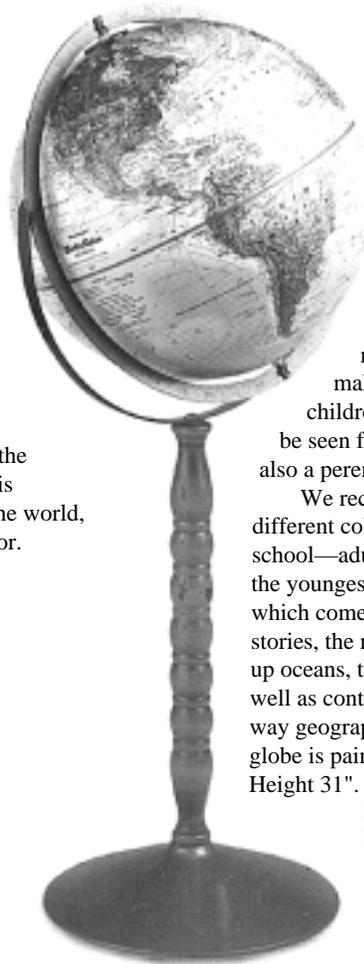
**EH260****\$7.00****33-PIECE JIGSAW PUZZLE MAPS OF THE WORLD**

These 33-piece world puzzle map have several elements that recommend them for the home or classroom: each continent is a different color, and several animals are pictured in their natural home.

**Frame puzzle:**

the names of countries are printed beneath the wooden puzzle pieces, and countries and capitals are listed on the back of the frame. The puzzle can be worked inside the frame, and eventually outside. 18.5" x 11.5".

**Floor puzzle:** the cardboard pieces of the puzzle are thick and sturdy with an easy-to-clean surface. The completed puzzle is 2 x 3 feet! This is very good for giving a young child a first impression of how large the earth is.

**DE800 Frame Earth Puzzle \$15.50****(\* ) DE150 Floor Earth Puzzle \$10.50****FLOOR or TABLE GLOBE**

A good globe is essential for every home and classroom, for both children and adults. To the delight of our children, and not-so-tall visitors, we have used a globe like this floor model for many years in our home. It is easy to place anywhere, on the floor or next to a desk or table. Its height makes it very easy for very young children to look at, and it turns so that it can

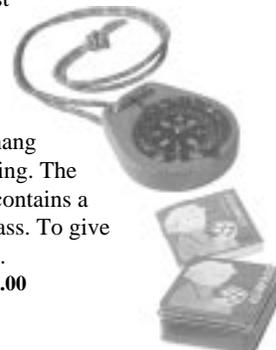
be seen from any angle. The table model is also a perennial favorite in homes and schools.

We recommend this globe, each country a different color, for constant use in the home or school—adults and older children can help even the youngest child find any geographical element which comes up in conversation, nursery rhymes, stories, the news, letters from friends, songs. Look up oceans, the equator, mountains, and rivers, as well as continents, countries and cities. In this way geography becomes fun at an early age. 12" globe is painted in muted, attractive colors. Height 31".

**DE240 Floor Model \$79.00****DE230 Table Model \$63.00****KOMPASS**

From Germany, this is an excellent first

compass for children. The sturdy plastic *pin* compass (direction pointer rests on a pin in the center of the compass) is mounted in a bright red wooden frame and hangs from a brightly colored cord. It can hang in the classroom or around the neck for hiking. The *kompass* comes in a metal box which also contains a little book with directions on using a compass. To give an idea of the size, the box is 3" x 3" x 1.3".

**DE815****\$13.00**

**THE SOLAR SYSTEM**

Because the most logical way to present information is from the general to the specific, we give the child at this age a sensorial experience of the solar system with simple mobiles and puzzles, then of the earth with globes, puzzle maps, pictures, and books. Even in the bedrooms and classrooms of the very youngest children we find solar mobiles and rock collections.

**GLOBES AND PUZZLE MAPS**

A globe is probably one of the most important pieces of material to have in the home. The past and present meet when we look for countries where plants or literature originated (the tulips from the mountains of Asia by way of Holland, the Bible from the Middle East, for example).

A globe can be referred to in a moment when friends send a postcard

during a trip, or when different countries are in the news. When we eat rice with chopsticks, or tacos, or hear Irish music on the radio, we can show the child where these things came from.

Puzzle maps give practice in recognizing the shapes of continents and oceans. They combine the child's need for movement and shape recognition with developing awareness of the earth.

**SIGHTING COMPASS**

Children love to know the directions in their home and classroom, and also the direction they are walking, in the city and in the countryside. We recommend using a compass every time a child learns a new puzzle map—

placing puzzle maps with the top facing north—to prepare for the use of maps. It is also useful for a nature hike. In this *sighting compass* the cover has a sighting line, and there is a brass clip for locking the cover or carrying on a key chain. This compass has glow-in-the-dark letters and numbers. It is 2" in diameter.

DE765

\$6.00

**CONTINENT CHARTS**

Moving from the general, the overview, to the specific details, we give the child the world in this order (1) globe and all continents, (2) the child's continent, (3) the child's country, (4) the child's state, then county, and town or city, (5) continents, countries, and cities from continents other than the child's own. These seven charts present a topographical view of the great land masses of the world, mountains and lakes clearly visible. On each chart there is a view of the world with the continent blacked out so the child can see where it is on the Earth. There is one paragraph of information.

We recommend putting one at a time up on the wall at school or at home when something important is happening in that continent (a visitor? a trip? a news event?).

The charts: Asia, Africa, North America, South America, Australia, Europe, and Antarctica. They are 9" x 12", full color. Sold only as a set of seven.

DG210

\$9.00

**OUR BIG HOME**

Many Montessori schools already have this old favorite. It is a beautiful poem that gently leads children toward the all-important understanding of caring for our environment, shared not only by people but all the plants and animals. The vibrant childlike art takes us to an African plain, a Caribbean island, a south American mountain, and around the world. Softcover, 9" x 9.5", color, 21 pages.

DE808

\$7.95

**BEGINNER'S WORLD ATLAS**

The best first atlas we have seen.

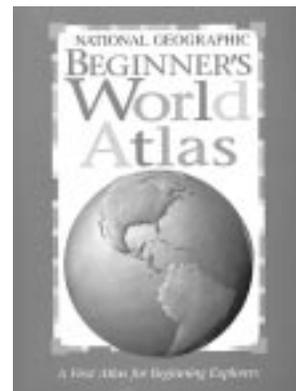
The book begins with mapping of a child's house, street, neighborhood, with an explanation of a compass for reading this and then other maps. It goes on to explain map projections and the terms

*physical* and

*political* maps. There is a section for each continent—land regions, water, climate, plants, and animals, countries, cities, people, languages, and products, everything presented in a wonderfully clear way. Contents: 10 illustrated physical maps, 10 full-color political maps, 130+ color images, glossary and pronunciation guide, index. Hardcover, 10.5" x 14", color, 63 pages.

DE115

\$17.95

**FIRST CONTINENT BOOKS**

For the home and the school. These seven library-bound hardcover books form the basis of the geography library and are usually kept next to the world and continent puzzle maps. The informative text that accompanies the clear colored pictures is presented in the best "first reading" format. Each book illustrates the continent on a world map on the cover. The focus is on physical maps and the child can easily point out islands, lakes, capes, bays, etc. which are also part of the early geography curriculum. They will be used for a wide age range of beginning readers.

Hardcover, 6" x 7", color, 24 pages.

DE500 *Africa* \$15.95DE501 *Antarctica* \$15.95DE502 *Asia* \$15.95DE503 *Australia* \$15.95DE504 *Europe* \$15.95DE505 *North America* \$15.95DE506 *South America* \$15.95DE507 *1st Continent Books Set/7* \$109.00

**LAND FORMS**

Children love to dig and pile sand—forming islands, lakes, peninsulas, capes, and other land and water forms, at the beach, out of sand or mud. In class they form clay land and water forms in small pie pans. They enjoy knowing the names and pouring water and maybe floating little homemade walnut-shell boats on the water.

**ECOLOGY**

This is not the age for focusing on all of the problems which are besetting Earth. Children at this age naturally feel a oneness with all of creation and it can cause pain or a shutting-down to tell them of problems too early. Instead we focus on their love—of beauty, and of caring for objects and of knowledge and language. We give them the sensorial experiences of rocks, land forms, oceans,

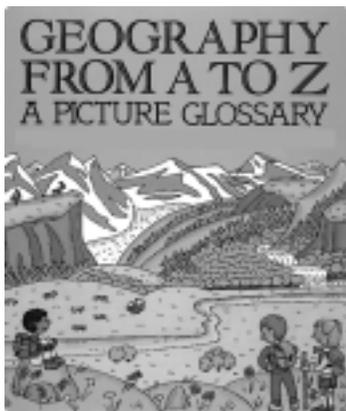
clouds, stars, lakes, and the visual and tactile possibilities to work with them by means of puzzle maps. And then we give the names. All of this experience and knowledge leads to a natural concern and responsibility at a later age because children "love what they know."

**SCIENCE EXPERIMENTS**

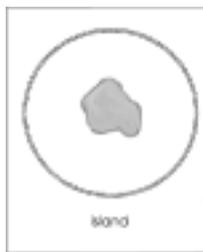
The earth was formed by principles inherent in simple physics and chemistry

**GEOGRAPHY FROM A TO Z**

Following the child's work in creating her own land and water forms, pictures and books are presented. In this favorite volume there are sixty-three entries which clearly illustrate and define the earth's features—cape, bay, lake, island, isthmus, marsh, mountain, river, and so forth—with a clear and simple picture and one or two sentences. Softcover, 8" x 9.5", color, 46 pages.



**DE131 \$8.00**



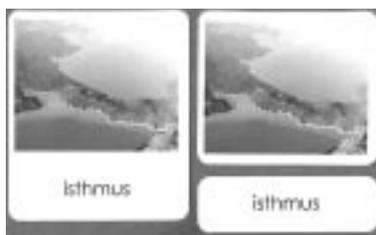
**LAND FORM AND CONTINENT CARDS**

These are the first cards used in geography study: There are 8 labeled illustrations and eight definitions of the first four pairs of land and water forms taught in 3-6 classes—*island/lake, cape/bay, isthmus/strait, peninsula/gulf*. Each land or water form enclosed in a circle to inspire the child to make his own land and water forms in the small pie pans below. A labeled picture of each of the seven continents—Antarctica, Asia, Africa, North America, South America, Australia, and Europe is included—and the names of these continents to be cut into seven small labels of each continent. The 4" x 5.5" cards are printed in black on white cardstock. For use as three-part cards, please order two sets.

**DE636 \$7.00**

**LAND AND WATER FORMS, PHOTOGRAPHS**

When the child has experienced making the land and water forms, pouring water into them, and seeing the representation on the cards, she is ready for photographs and then finding them on maps.



These new sets of land and water forms are made from actual photographs in color. For each subject there is a picture card with a label, a picture card without a label, and a separate label. The cards will last a long time because they are protected by heavy laminate and the corners rounded.

*Land & Water I* contains the complimentary pairs taught in every 3-6 class: *island, lake, cape, bay, isthmus, strait, peninsula, and gulf* plus *archipelago* and *system of lakes*. Two cards and one label for each.

*Land & Water II* contains more a advanced selection: *mesa, canyon, reservoir, spit, desert, lagoon, glacier, and volcano*.

The large, labeled, card is 3.25" x 4.25." The vertebrate set contains 60 subjects, 180 cards in all.

- (\*) **DE180 Land and Water I \$17.95**
- (\*) **DE181 Land and Water II \$15.95**
- (\*) **DE185 Complete Land and Water I & II \$32.00**

**LAND FORM PANS AND CLAY**

The best way to learn about water and land

forms is to make them with clay in small metal pans—first the island in one pan and the lake in another, showing how they are complements of each other. After one child makes these and leaves them on the shelf another can change them, seeing that islands and lakes come in many different shapes. These two easily turn into cape and bay, then peninsula and gulf, and then isthmus and strait. Land form cards and definitions and then a geography book will really make sense to a child who has had this experience.



For the classroom, we recommend a set of eight of the nonstick pans (5" x 1.25") and 2 pounds of the pastel green *plastalina* clay.

- DE710 Pans, Set/8 \$16.00**
- DE726 Green Plastalina, 1 pound \$4.50**
- DE727 Pans/plastalina Set \$20.00**



whenever she is interested. It is not uncommon for the child to carry out the activity, carefully dry everything, repeat and repeat these steps, as a deep and private understanding of the physics principle grows in her. It is only after the child has had some experience that we introduce the terms "sink" and "float" if the child does not know them yet.

### LESSONS

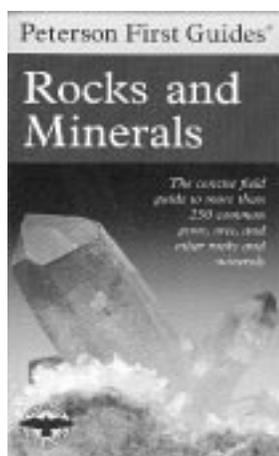
Although videos and television have their place, they are not the best way to learn at this age. Imagine the difference between standing on a hill, with the wind in your face, watching the sun go down at the end of the day—and watching a sunset on a TV screen. Young children are learning with all of their senses, and experiences that are multi-sensorial stay with them for a lifetime.

Successful lessons consist in a quiet demonstration of a piece of material—a puzzle, an experiment, which can be carried out by the child at will as many times as there is interest. Modern brain research shows that young children use the visual and auditory parts of the brain at different times. Demonstrating and explaining an activity at the same time interrupts the ability to concentrate and focus. Dr. Montessori did not know of this brain research, but she observed

### ROCKS AND MINERALS

#### - A Peterson First Guide

Peterson field guides have been favorites in homes and schools since the first *bird* field guide was published by naturalist Roger Tory Peterson in 1934. This is a concise, simple, first field guide to more than 250 common gems, ores, and other rocks and minerals. There is a beautiful picture of quartz on the cover that makes a young child want to see more. The two page format shows three colored photos of the specimens and appropriate text. The young child will enjoy the pictures at first, then the names, and finally the older child and adult will be interested in the text explaining the formation of rocks and minerals. Softcover, 3.5" x 7.5", color, 128 pages.



DE162

\$5.95

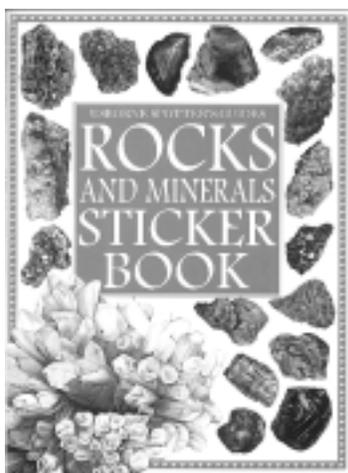
### ROCKS AND MINERALS STICKER BOOK

This is the book most preferred by teachers for making the language cards of rocks and minerals for the classroom. It provides the picture, simple label, and definition. There are seventy-six full color, clear illustrations of individual rocks and minerals. Several can be matched to real specimens in the classroom and on field trips to museums.

In the home, each illustration can be peeled off the sticker page and attached to the correct definition spot. Next to the place to put the sticker is (1) the name of the rock or mineral, (2) a definition or description, and (3) a place to write the date and place where an original specimen was found. The book is 7.5" x 10.5", color, from England.

DE755

\$7.95

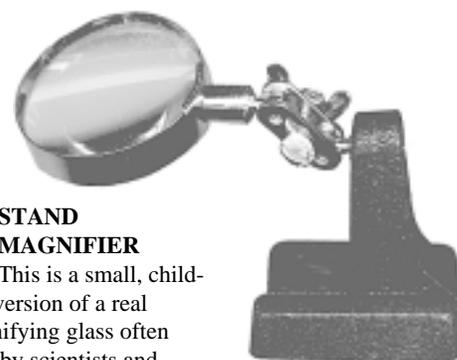


### GLASS PRISM

A real glass prism will do more than anything to introduce the physics phenomena of light from the sun, the bending of light, and color. In the room of the very young child, simply put it in the window and the rainbow will lead the children to its discovery. For the older child there are activities in the *Young Discoverers Encyclopedia* experiment book on page 69. It is also very interesting to have both the 2" long, and the 4" long prism next to each other to see what happens. GLASS: PROVIDE ADULT SUPERVISION.

DE686 2-inch prism \$5.25

DE690 4-inch prism \$7.50



### STAND MAGNIFIER

This is a small, child-size version of a real magnifying glass often used by scientists and artists. It enables one to look back and forth at a specimen as it is compared with a sample in a book, or as it is being drawn on paper. It can be used in all kinds of scientific exploration of specimens from the pond, or rocks and minerals. The double hinged, wing nut fastened glass provides variety in setting up the distance from the specimen for long-term viewing or drawing.

It is a 2" diameter optically ground and polished glass lens with chrome plated brass rim and ball joints. The cast iron base is horseshoe shaped with a black crackle finish. The base is 2" x 2".

DE750

\$13.00

### TURTLE MAGNIFIER

This charming turtle magnifier is among our most popular items—for adults as well as for children. What fun to explore the details of anything with a turtle. It is made of solid brass and glass. The child can polish it, use it as a



magnifying glass, or a conversation piece and to help read fine print. 4 inches long.

DE736

\$12.00

over and over the difference between the attention of a child who is being shown a lesson silently, and one who was being asked to listen and watch at the same time.

### ART AND LANGUAGE OF SCIENCE

One of the most important elements of the learning process is the ability to express what one has begun to understand through art, music, language, or in some other tangible way.

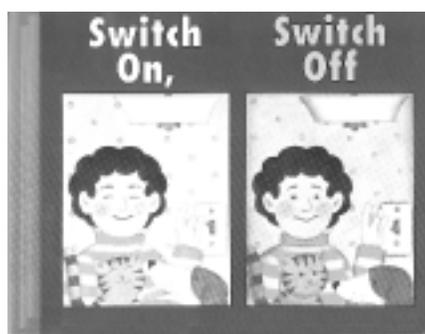
Children love to create original art connected to puzzle maps, and the easiest time to learn the names of colors, shapes, continents, oceans, rivers, etc. is before age six, when a child wants to handle everything and learn what everything in his environment is called.

Many of us have been astounded at the young child's ability to learn the names of continents, countries, flags, land forms, kinds of dinosaurs, kinds of

dogs, etc. This is not surprising as the child under the age of six is in the strongest "sensitive period" for learning language he will ever experience. This child will learn thousands of words if he has a sensorial experience for them.

*I live in heaven. My home is a sphere that turns around the sun. It is called Earth.*

—Dr. Maria Montessori



### SWITCH ON, SWITCH OFF

This is a perfect book to go with the electric circuit. You flip a switch and a light goes on, you flip it again and the light goes off. It seems like magic, but really it is electricity. Read and find out just what electricity is, how it is used, and how it is made. A lot of advanced information is given, but in a clear and simple way that children can relate to. It gives directions for experiments—such as generating electricity with a magnet, and making a compass. This beginning physics book does not talk down to the young children, and is informative for the older child. It can be also a beginning reading book. Softcover, 8.5" x 7", color, 32 pages.

DE761

\$5.00



### WHAT MAKES A MAGNET?

A first magnet picture book that inspires a child to sort objects with a magnet, to explore, and to make a simple magnet and a simple compass from a needle! Full of interesting facts about the history and science of magnets. Softcover, 10" x 8", color, 32 pages.

DE630

\$5.00

### ELECTRIC CIRCUIT

This is an important part of the Montessori 3-6 physics curriculum; since we could not find one, we had it made.

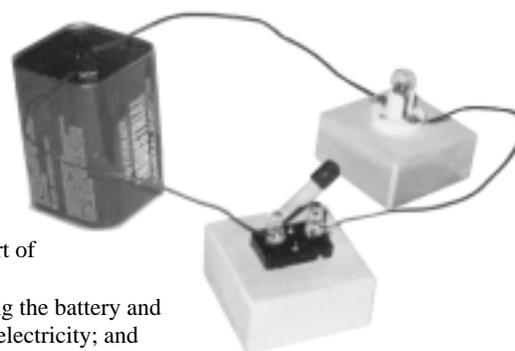
The child twists the ends of the coated metal wires, and fastens them firmly to the light, the switch, and the battery, by hand and then with the screwdriver. This task—constructing the circuit—is the most fun part of the work.

She will learn that two wires connecting the battery and light make a complete "circuit" or circle of electricity; and placing the *knife switch* within this circuit which is very easy to operate makes an easy way to complete or interrupt the circuit. The child can then break the circuit by unfastening or interrupting the flow of electricity at any point in the circuit. A simple and very important discovery.

The electric circuit set contains a small plastic light bulb holder and bulb, a tiny knife switch (each mounted on a hardwood base), a 4" tall 6-volt battery, three connecting wires, and a screwdriver.

DE606

\$35.00

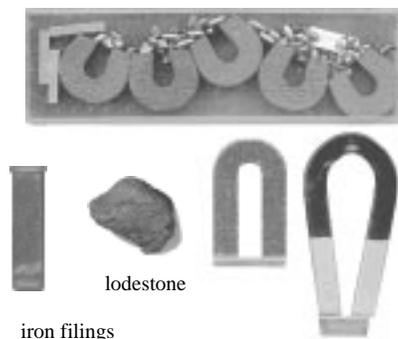


### MAGNETS

Magnets are endlessly fascinating to children, and there are several different magnet activities in the 3-6 physics curriculum. Here is a good selection of different sized, good-quality magnets, a 1" piece of lodestone (magnetic rock), and a vial of iron filings, for these and other experiments.

The Classroom Set: a 3-inch light metal English horseshoe magnet, a 2-inch heavy English horseshoe magnet, a set of five 1-inch heavy English horseshoe magnets in a plastic case, one piece of lodestone, and a 2" vial of iron filings. Suggestions for use can be found in *The Earth/Physics Curriculum*, page 100.

DE527	3-inch Light Magnet	\$4.00
DE536	2-inch Heavy Magnet	\$7.00
DE537	Set/5 1-inch Magnets	\$20.00
DE526	Lodestone	\$1.00
DE538	Iron Filings	\$2.00
DE539	Magnet Set/all above	\$33.00



iron filings

**PLANTS**

*Solicitous care for living things affords satisfaction to one of the most lively instincts of the child's mind. Nothing is better calculated than this to awaken an attitude of foresight.*

—Maria Montessori

An atmosphere of love and respect for plants and animals in the home and

classroom is the best foundation for a lifetime of comfort and interest in nature. This begins in the home as the child absorbs the family's attitude toward vegetables, flowers, gardens, house plants, weeds, and trees.

Lessons that make a deep impression come from first hand experiences of plants; nothing can substitute for seeing, and smelling flowers in the home, and watching the daily growth of a flower or vegetable in the garden.

**NATURE TABLE OR SHELF**

A little table or shelf, in the home or classroom, dedicated to a changing array of beautiful objects from nature, is a delight to children. Some suggestions are a vase of flowers, leaves, a colored leaf in the fall, or a plant experiment (from the biology curriculum for the 3-6 class).

It is important to keep this area very clean, beautiful, and constantly changing. A little tray with a magnifying glass could be kept on the nature table for

**BIOLOGY CURRICULUM FOR THE 3-6 CHILD**

See page 100 for more information  
**GB71 \$5.00**

**COTTON DOILIES & A SET OF THREE BUBBLE-GLASS VASES**

Flower arranging—in small vases placed on a special doily or coaster—is a wonderful way for a child to beautify the environment, at home or in school and to give the child experience in cutting, pouring, carrying and placing breakable vases, and caring for nature.

If no flowers are easily available, provide a selection of wild plants, ferns, evergreen cuttings, or dried leaves in the winter. What a nice way to begin the day—by making the environment beautiful.

These small vases appeal to children because of the "bubble" effect of trapped droplets of air in the hand-blown glass. They are 4.5" tall and in three delicate shades of color, almost clear, glass. **NOTE: Use under adult supervision. These are not toys.**

(\*) **DP080 Vases, Set/3 \$13.00**  
**DP81 Doilies, Set/4 \$2.50**



**ELEGANT WATERING CAN**

This simple watering can was used long ago for elegant parties. It is a very sturdy and artistic piece of heavy, "important" solid brass. It can be used for the garden or for indoor plants, in the home or school. New size: 8.5" tall. Made in India.

**DP79 \$23.00**

**GLASS PLANT MISTER**

We are always on the lookout for good breakable tools for children because there is much more care and attention given when a child is allowed to use them. This glass mister is made of heavy ridged clear glass, with pewter-type metal top. It is 7.75" tall. **NOTE: Use under adult supervision. This is not a toy.**

(\*) **DP440 \$14.50**



**DP600 \$16.00**

**BRASS PLANT MISTER**

This brass mister is of better quality than those usually available today. It is a favorite activity of children to "give a drink" to houseplants, at home and in school. Adult indoor gardeners know that it is as important to water the leaves as the soil. A child can also learn to pick off dead leaves and loosen the soil of a potted plant. This beautiful plant mister is also used to teach a child to polish brass. It is 6" tall.

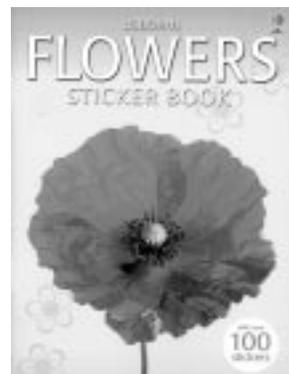
**FLOWERS STICKER BOOK**

Children are so very proud of knowing the correct names of as many as possible of the flowers, both garden varieties and wild, in the inside environment and outside. They love sharing this information with their adults. Sticker books are the source of the many vocabulary cards one sees in the Montessori class. These peel-off colored stickers are printed on white background which enables the child to see the picture clearly. There are drawings and

information for each picture so the adult can tell the stories of each. The older child can peel off the stickers and stick them on the outline where they belong. Or the adult can make vocabulary cards.

There are 100+ different examples in full color. Sticker height: 1" - 2" Order two books if you plan on making 3-part cards, with two of each image.

**DL611 \$7.95**



closer observation.

In the 3-6 classroom a plastic mat, bucket and sponge; and a small drying towel are kept on a tray under or near the nature table. One of the favorite activities is to carefully clean the table and the items on the table. Lay out a plastic mat and carefully remove everything from the shelf. If there are dry leaves or soil, show the child how to wipe them off the edge of the table and into his hand.

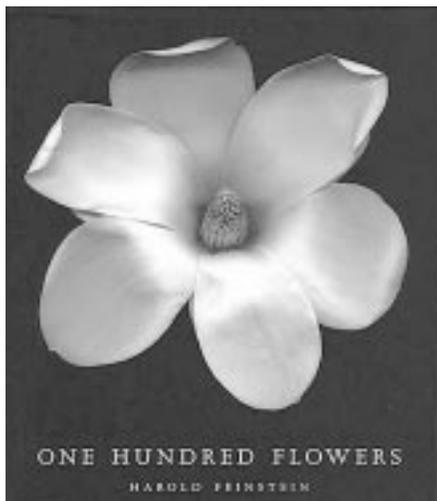
Next show him how to dip and wring out the sponge, and to wipe the top of the table and the legs. With a drying cloth dry everything. Wipe and dry the plastic mat, then clean the sponge, hang the drying cloth up to dry and replace it with a fresh one. And replace the items on the table, letting the child decide on their arrangement.

Now the child knows how to carry out this activity at any time, independently of an adult's permission.

This gives the child the feeling of really caring for the beautiful objects and not just looking at them.

### PLANTS

It is important for a child to spend some time in the outdoors experiencing nature every day if possible—in all kinds of weather and during all seasons. Going for a walk with a young child, if one follows the child's slow speed and unpredictable interests, can open our eyes



### ONE HUNDRED FLOWERS

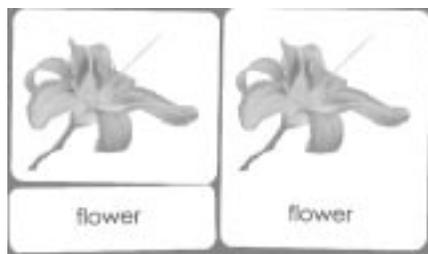
This amazing book from Italy is a large and beautiful art book, a coffee-table book, a book that will intrigue the whole family, opening eyes to the wonders of flowers.

Each page shows just one flower, just like on the cover, with a black background and no distracting words. One can see the veins in the corolla, the variety of pistil and stamen, all the elements the child is

studying and learning to appreciate, recognize, name, at this age. On separate pages there is a list of the flowers, their scientific names, and an interesting fact, such as: The common name of the dandelion comes from the French term *dents de lion*, a phrase that plays on the similarity between the jagged edges of the dandelion leaf and *the teeth of a lion*. Hardcover, 11" x 13", full color, 141 pages.

(\*) DP444

\$50.00



### PARTS OF THE FLOWER 3-PART CARDS

Soon after the child explores the flower by color and texture, and learns the names of many flowers, she will want to know the names of the parts. These cards isolate each named part in color: flower, petal, stamen, pistil, sepal, corolla, calyx, and stem. 24 cards, 6 with names, 6 without names, six labels. They are laminated, 3.5" x 4.2".

DP850

\$19.95

### LEAF & FLOWER PRESS

This press can be used for pressing flowers, grasses, ferns, leaves and small plants for making vocabulary cards with real specimens, or art projects.

The press is 7" square, made of fine birch plywood with a charming silkscreened floral pattern on the front. It comes with 10 sheets of blotter paper, 6 corrugated inserts (holding up to 5 layers of specimens at one time) and an

instructional pamphlet. Assembling the press by means of the wing nut and bolt fasteners is especially good work for a young child.

DP07

\$14.50



### TREES

I just could not believe my eyes upon finding this wonderful leaf-study resource. There are 50 North American Trees identified by leaf, bark, and seed.

For a 3-6 class I would use two sets, cutting off the leaf part of each of 50 "flash cards" to make three part reading cards. I would have another set, each complete flash card laminated so that the child can actually trace the leaf margins with her fingers, and read the valuable information on the back.

This is also useful for the 6-12 class. A wonderful resource. 10.5" long, full color.

DP215

\$9.95



to the world of nature like never before.

Flower arranging is an important part of the ritual of beginning the day in many classrooms and can be done in the home. A selection of interesting tiny vases of different sizes and shapes, from different countries, is important.

Just as with the cleaning of the nature table, a tray can be prepared with all of the items necessary for flower arranging: small vase(s), scissors to cut the flowers, a small pitcher to fill the

vases and perhaps a funnel if the tops of the vases are small, and a sponge and drying cloth for cleaning up. Also a selection of handmade cotton doilies makes this ritual very special.

Having these flower arrangements on the kitchen, living room, or classroom tables, even if they consist of only one small flower or fern in a vase, brings the child's attention to the beauty and variety of nature as he goes through the day.

Don't be surprised if all the flowers and

vases end up on the same table the first time.

Grass, leaves, wildflowers, or cultivated flowers all make ideal art materials when they have been preserved in a flower press. In our home we have often kept previously dried leaves and flowers in a container next to the flower press ready for decorating birthday cards, or for including in letters.

If you are planning an outdoor environment for children at home or at

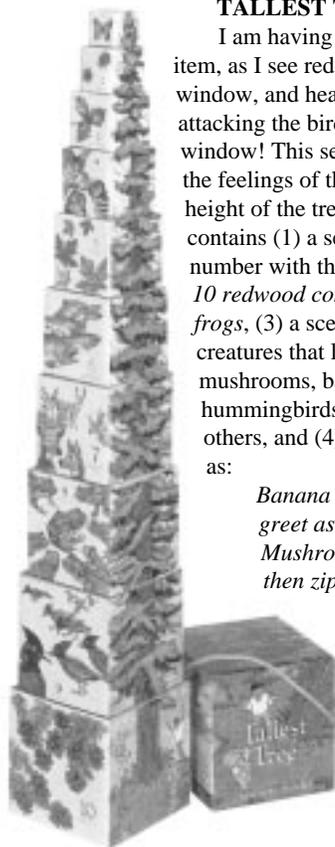
### TALLEST TREE STACKING BLOCKS

I am having such fun describing this particular item, as I see redwood trees looking out my office window, and hear screeching Steller's jays attacking the birdfeeder out of the living room window! This set of 10 stacking blocks captures the feelings of the plants and animals, and the height of the trees. It is 35" tall. Each block contains (1) a section of the redwood tree, (2) a number with the same number of items, such as 10 redwood cones, 9 Steller's jays, 8 red-legged frogs, (3) a scene of a section of the tree with the creatures that live in, on, and under it—mushrooms, banana slugs, the raccoons, hummingbirds, owls, and woodpeckers, and others, and (4) a redwood-related poem, such as:

*Banana slug and ladybug  
greet as they pass by.  
Mushrooms tops, the lady stops,  
then zips into the sky.*

This unique toy was created by the Parks Association of Northern California. The blocks are made of sturdy cardboard covered with brightly colored wipe-clean paper, ranging from 5.5" to 1.5".

**DP422 \$19.95**

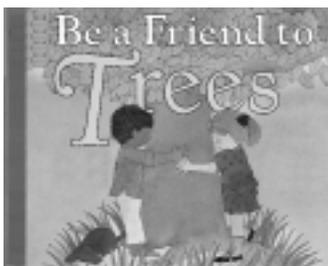


### BE A FRIEND TO TREES

An awareness of trees and their relationship to the ecosystem of the whole earth, can be gently introduced at this age. Parents sometimes mistakenly think that because a child is surrounded by trees in the country, or in parks in the city, that she is

automatically aware of their beauty and importance. Children are shown in a way that is geared to their interests, the value of trees for small animals, for making furniture, and for creating healthful air. Softcover, 10" x 8", color, 32 pages.

**DP137 \$5.00**



suggested reading. The books are hardcover, sturdy sewn library binding, full color, 6.2" x 7.2", 24 pages.

(\* **DP540 Maple Trees \$11.95**  
 (\* **DP542 Oak Trees \$11.95**  
 (\* **DP544 Pine Trees \$11.95**  
 (\* **DP548 Trees Set/3 \$35.00**

### TREE READERS

Each of these early readers tells the story of one kind of tree. Each 2-page spread has a color photograph described by simple yet interesting, scientifically correct text of just a few sentences. At the end of the book is a simple glossary and a simple index, to teach the child to use these tools, and



### WHY DO LEAVES CHANGE COLOR?

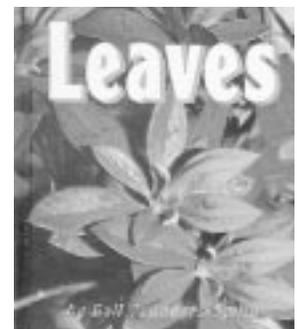
The common question of how leaves change color in the fall is explained, and places to see beautiful fall colors are suggested. Good early reader. Softcover, 10" x 8", color, 32 pages.

**DP136 \$5.00**

### FIRST BOTANY BOOKS

These library-bound hardcover books form the basis of the botany library for the young child—*seed*, *stem* (*root* is in the *stem* book), *leaves*, and *flowers*. The informative text that accompanies the clear colored pictures is presented in a "first reading" format. Each book begins with a "Table of Contents," and ends with a glossary, book recommendations, and usable first index. They will be used by a wide age range of beginning readers. Hardcover, 6" x 7", color, 24 pages.

**DP250 Seeds \$11.95**  
**DP251 Stems \$11.95**  
**DP252 Leaves \$11.95**  
**DP253 Flowers \$11.95**  
**DP259 First Plant Books, Set/4 \$47.00**



school, be sure to include a space for wild specimens. Some of the best biological examples of leaf shapes and attachments, and so forth, can be found on wild plants such as dandelions and thistles.

First we point out, invite to touch, and give the vocabulary for experiences and concepts such as *orange, red, small, long, rough, smooth, bumpy, hard, and soft*. This is a classification that even the beginning botanist can use.

Very soon we can give more. The

young child wants to know exact names of everything. Not just "flower" but "California poppy," and later, after exposure has stimulated an interest in plants, we can introduce the botanical names and further classification—such as kinds of leaf margins or flower corollas. Exposure to plants and animals initiates many important discussions which a wide vocabulary can enrich and make more satisfying.

Providing garden tools and a small



Fruit cards in a Montessori classroom in Thailand.

**SEED & ROOT VIEWER**

This viewer will make the magical world of seed sprouting, and root growth available to the eye.

Plant 2 large beans in each tube, protect from the light with black paper and the growth will occur right next to the outside of the tube. If the tubes are kept in a dark place while the seeds and roots are sprouting the growth will be all the more impressive.

Three 5.5" long plastic tubes come in a wooden holder. For the first planting, soil and directions are included.

**DP870 \$11.00**



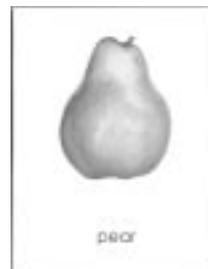
**MICHAEL OLAF FRUITS & VEGETABLES VOCABULARY CARDS**

For years we have looked for the perfect fruits and vegetable cards because these food groups are so important for young children, and a most important collection of vocabulary words. Sets

have gone in and out of print over the years, but none have ever been up to our high standards. Finally Susan devoted a large portion of her oil painting time to creating a collection of 24 vegetable paintings in our studio here on the Northcoast of California. The following year we developed the set of fruit cards made from color photographs touched up to look a bit like original paintings.

The cards are professionally printed in full color on stiff cardboard. They are 4.25" x .5". There are 24 different images, one of each, in each set. Please order two identical sets if you plan to make 3-part reading cards.

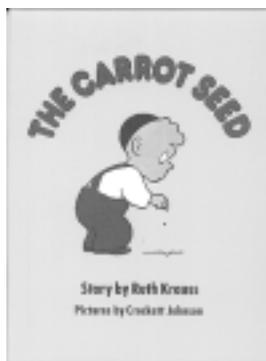
**DL055 Vegetable Cards \$12.00**  
**(\* DL250 Fruit Cards \$12.00)**



**THE CARROT SEED**

Since 1947 this charming book has been a favorite of children. With very few words and pictures the author show and tells the simple story of a little boy waiting for the carrot which he has planted to come up. Now it is available in both hard and softcover, color, 6" x 8", 24 pages.

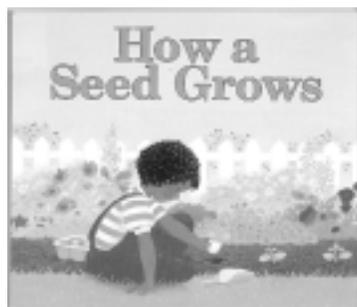
**DP777 Carrot, softcover \$7.00**  
**(\* DP778 Carrot, hardcover \$15.00)**



**ITALIAN FRUIT & VEGETABLE POSTCARD BOOKS**

The artist combines elegant nineteenth-century botanical prints with her own hand-painted stamps and a host of complimentary creatures, and links artichoke images with a hedgehog stamp (similar sharp points) and a garden snail! Children love these combinations. Each book contains 2 each of 15 plant cards. They are 6" x 6", old fashioned limited-palette colors. Use as a book, matching cards, conversation cards, postcards.

**(\* DP750 Posta Frutta (fruits) \$10.95**  
**(\* DP751 Posta Verdura (vegetables) \$10.95)**



**HOW A SEED GROWS**

This lovely picture book shares the secrets of seeds with the young child, and gives simple instructions for planting beans in an eggshell—12 beans, to see what conditions help them grow the best. It will open our eyes to the seeds in our foods and all around us. Softcover, color, 7" x 8.5", 32 pages

**DP200 \$5.00**

(\* ) = new item

wheelbarrow for the child, so that she can help to carry grass cuttings or anything else which needs to be transported, is an excellent way to involve the child with the yard work. Although the adult will often shy away from hard work, the young child will welcome important real work. This is the time to introduce gardening to children. Even one pot, inside or outside, with one plant, is better than nothing when there is no room for a large outside garden. It is important to

show the child the end, as well as the beginning, of any of these activities. Sometimes endings can be separate activities so the child will be ready for them at the conclusion of a hard days work in the garden. For example, show the child exactly how to hold the shovel in order to carefully hang it up or place it where it belongs.

Wherever the adult is sensitive to the child's natural need for order, there is a place for every tool. Children are shown

how to clean and put away the tools, how to hold the wooden handles and polish the metal. These activities give a great feeling of satisfaction, independence, and completion of a job well done.

Beautiful pictures of plants and flowers (photos, postcards, reproductions of great oil paintings) can be hung on the child's wall. You may be surprised at a child's preference for nonfiction books about nature when she has been kept in touch with nature.

### LONG HANDLED GARDENING TOOLS

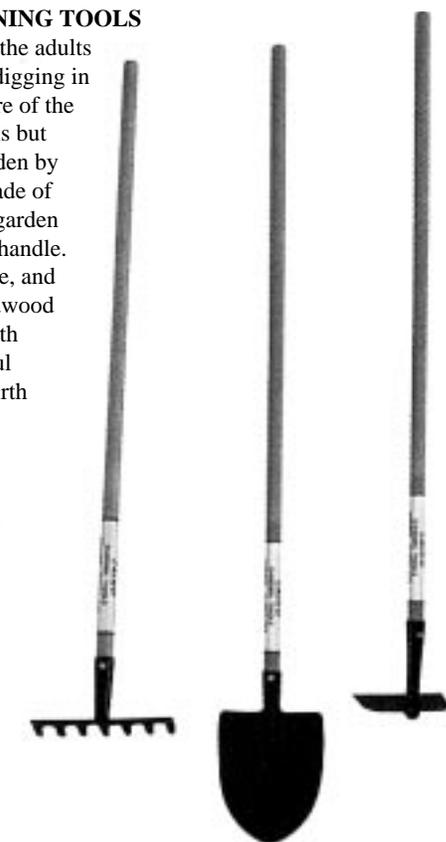
What fun—working alongside the adults in the family or school garden—or digging in a child's own small garden. These are of the same quality as adult gardening tools but specially sized to be used in the garden by young children. The handles are made of hard wood and painted metal. The garden hoe is 3" x 5" with a 36" hardwood handle. The level rake is 7" wide, 36" handle, and the shovel is 5" x 7" with a 36" hardwood handle. For smaller garden tools with shorter handles please see *The Joyful Child* catalogue for children from birth to three.

DP240 Hoe	\$6.75
DP241 Level Rake	\$6.75
DP242 Shovel	\$6.75
DP245 Tools, Set/3	\$19.00



### CORN IS MAIZE GIFT OF THE INDIANS

The history of corn couldn't be better presented for children than in this picture book by Aliko. It is scientifically and historically correct and still reads like an interesting story. Softcover, color, 8" x 8.5", 34 pages  
DP050 \$5.00



### GARDEN PLANT READERS

These are our first, earliest, botany readers, just a few words, one phrase per page, telling something about one of the plants commonly grown in a children's garden: beans, carrots, and sunflowers. Each 2-page spread has a color photograph described by simple yet interesting, scientifically correct text. At the end of the book there is a simple glossary and an index, to eventually teach the child to use these tools. The books are hardcover, sturdy sewn library binding, full color, 6.2" x 7.2", 24 pages.

(*) DP480 Beans	\$11.95
(*) DP481 Carrots	\$11.95
(*) DP482 Sunflowers	\$11.95
(*) DP485 Garden Readers, Set/3	\$35.00

### GARDEN TOTE & TOOLS

This child-size garden tote bag provides a place to keep the three tools that come with it, and a place to store seed packets, string, gloves, all of the other things necessary for gardening. The bag is made of sturdy white canvas with green canvas trim. There are 7 pockets including the three that hold the trowel, shovel and 3-pronged rake. For an idea of the size, the longest tool, the pointed trowel, is 8.5" long. The tools are made of painted metal with wooden handles. The set of three tools can be ordered without the tote bag. *NOTE: See work gloves on page 6.*



(*) DP630 Tote Bag and Set of 3 Tools	\$15.00
(*) DP580 Set of 3 Tools	\$6.50

### GARDEN WATERING CAN

This watering can has a spray nozzle that allows the child to water the plants without disturbing the soil, a problem even for adult gardeners.

It is made of metal and comes in bright colors, but we never know which color. The watering can design is sometimes a bit different than this illustration as the makers discover better and better designs. The can body is 5.2" high and 4" in diameter.

(*) DP755	\$6.50
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## ANIMALS

*Solicitous care for living things affords satisfaction to one of the most lively instincts of the child's mind. Nothing is better calculated than this to awaken an attitude of foresight.*

—Maria Montessori

We repeat this quote which you have read in the "Plant" section, because it is so important. The attitude of respect for nature, plants and animals begins in the home and in the first years of life—

spending as much time as is possible outside, in all seasons, experiencing animals in the natural world—listening to birds, collecting shells on the beach, reading about animals, learning to recognize and to name insects, fish, amphibians, reptiles, birds, mammals.

## BIOLOGY CURRICULUM FOR THE 3-6 CHILD

See page 100 for more information

GB71

\$5.00



## TINY EXOTIC BIRD MODELS

These little exotic bird models are handpainted replicas made in consultation with the American Museum of Natural History and other specialists. After the child learns the names of the birds we recommend using them with the "parts of birds" cards on page 39. The child will be able to point to and identify the shape and color of the bird parts: *head, beak, neck, wings, legs, torso, tail, eyes, nostrils, ear patches, and feet*. The names of the birds are printed on the each model. The set of twelve models ranges from the 1.6" *hummingbird* to the 3" *quetzal*. Although the sets sometimes vary they usually include *ibis, cockatoo, snowy owl, flamingo*, etc.

(\*) DP470

\$7.50

## SPIN SPIDER SPIN - CD

This has been our family favorite CD for many years. Gentle music presenting animals that no one ever sings about—and helping us love them. We learned them all. Examples: *Spin Spider Spin, I Love Lizards, Mr. Tickles* (turtle), *Just a Snail, The Little Bird is Dead, Lots of Worms, The Way of the Bees, Secret is My Name* (a snake), *Down by the Creek*, and a lovely ending lullaby called *Night Sounds*.

DP866

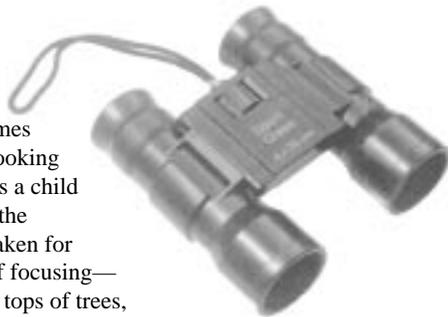
\$16.00

## BINOCULARS

These excellent and inexpensive children's binoculars enlarge the viewing image to four times with precision optics. Looking through binoculars makes a child aware of many things in the environment otherwise taken for granted, just by the act of focusing—butterflies, birds, clouds, tops of trees, people. Small, light weight, 4" x 4".

DP36

\$6.50



## STETHOSCOPE

Another way to observe and experience nature is by listening. With this stethoscope children can listen to the sounds of birds on a bird feeder, pressing the stethoscope up to the window, or to the differences in heartbeats of, for example, a kitten and a human. Show them how to listen to a human swallowing or breathing. This is a real instrument made of metal and rubber.

DP37

\$10.00



## BIRDSONGS, BOOK AND CD

The other day after reviewing several CD's with the songs of birds I happened to hear the birds on the birdfeeder outside our living room window, sounds that I hear daily—but for the first time in my life I recognized the song of the chickadee! It had sunk in! Adults and children alike are going to enjoy sharpening their listening skills with this book and CD. For each bird there is a color picture taking up one whole page, and a map of its USA habitat, and information the other page. One can listen to the birdsongs on the CD while looking at the picture and learn. Then go outside and be prepared for a surprise.

(\*) DP465 Birdsongs Book and CD

\$22.00



## ANIMAL SOUNDTRACKS

Children love listening to the real animal sounds on the cassette and matching each one to the right photograph on the lotto boards. This game from England can be played by one child—just matching the sounds to one or more lotto boards. It can also be played as a lotto game with four people. Contents: 30 minute cassette, four 8" x 8" colorful lotto boards with photographs of real animals, 40 counters, information on each of the animals.

DP760

\$16.00



**NATURE TABLE OR SHELF**

Add to the nature area, or the special table or shelf you use for plant specimens, the child's collection of shells, found birds nests or old nests of insects, found bones and perhaps famous artwork depicting animals.

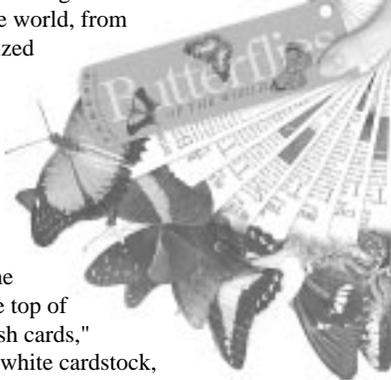
**ANIMALS**

Children have a wonderful affinity for animals at an early age. Just as they are learning to be kind to each other, and to respect the environment in general, this is the time to show them exact ways to be kind to animals. One of the lessons I

learned to give in my first training course in London was to pick up and hold a cat, beginning with giving attention to being quiet and moving slowly and carefully as one even approaches the cat. Then to speak with a gentle voice. And finally I learned to show the child exactly where

**BUTTERFLIES OF THE WORLD**

50 full-color images of the butterflies of the world, from the fingernail-sized Pygmy Blue, to the 12" African Giant Swallowtail. Perfect for making reading cards! I would cut off the butterflies at the top of these 10.5" "flash cards," mount them on white cardstock, and laminate them. For 3-part reading cards, order two sets. The cards, just as they are, will be used in the elementary class; on the back of each is the family and species name, the name of the describer, and the range. Facts are given which will be of interest to all.



**DP030 \$9.95**

**BUTTERFLY GARDEN & LARVAE COUPON**

Watch and learn as your tiny caterpillars turn into beautiful Painted Lady butterflies. First the caterpillars will eat their own food, growing to ten times their original size. Next they will hang upside-down in the butterfly garden and shed their skins to form chrysalides. Finally you will see them emerge as beautiful butterflies, completing their metamorphosis. The cycle takes three or four weeks.

A mail-in certificate for 5 caterpillars comes with the 11" high butterfly garden. Every following spring you can order just a Larvae Coupon and reuse the collapsible butterfly garden. It can also be used to temporarily house other insects for close observation during the year. NOTE: For ecological reasons, and the happiness of Painted Lady Butterflies, these products cannot be sent to homes and schools outside the continental USA.

**DP300 Garden & Larvae Coupon \$21.50**  
**DP315 Larvae Coupon \$15.00**

**ANIMAL MAGNETS IN WOODEN BOX**

Moving picture magnets around, especially on the refrigerator at home, and talking about them, is a good way to give practice in vocabulary and conversation. Here are 30 all different colorful magnets, 2" x 3" in length, made of wood with magnetic backing. They come in a wooden box with a transparent sliding lid.

**DP155 \$8.50**

**LIFE CYCLE BOOKS**

The life cycles of animals are a basic part of the biology study, because they are a source of endless fascination for children. This series presents the story of the changes throughout lives of animals in a very clear and beautiful way. The simple text is illustrated with color photographs and watercolors of everything connected with life cycles. We offer one invertebrate (butterfly), the five classes of vertebrates, and an extra mammal, *Life Cycle - Kangaroo*, because marsupial mammals are a special and very interesting example of a life cycle. It is important to bring to the attention of the child that every form of life on earth, plant or animal, has a cycle of life, from birth to death, that is part of the plan. Softcover, 9" x 8", color, 32 pages.

**DP801 Life Cycle of The Butterfly \$7.80**  
**DP802 Life Cycle of The Salmon \$7.80**  
**DP803 Life Cycle of The Frog \$7.80**  
**DP804 Life Cycle of The Snake \$7.80**  
**DP800 Life Cycle of The Penguin \$7.80**  
**DP805 Life Cycle of The Whale \$7.80**  
**DP806 Life Cycle of The Kangaroo \$7.80**  
**DP810 Life Cycle Set/7 \$53.00**

**LIFE CYCLE SEQUENCE CARDS**

After experience with the order of life cycles of one life form, a butterfly or frog for example, children enjoy putting these colored cards in order of the cycle. This develops critical thinking, and gives practice in the related vocabulary. There are forty colored 8" x 5", cards, each with an identifying number on the back so the child can check to see if she was right. Contents: 10 butterfly cards, 7 mouse cards, 8 frog cards, 8 chicken cards, and 7 apple cards.

**DP150 \$31.00**

to put his hands as he picks up the cat and gently cradles it to his chest. Children are delighted to learn the tiny details of caring for animals, and we should not expect them to automatically know how to treat animals without having had careful, hands-on lessons.

Animals are best observed free in nature. If we hang a bird feeder just outside the window and show the child how to sit quietly so that the birds won't be afraid, we provide a way to watch birds being natural, rather than in a cage. Binoculars give the child a feeling of

participating in the birds' activities, and allow the child to watch birds from a distance. It is surprising to see how a child can focus and become still when the interest in watching an ant or a bird has been awakened.

If animals visit the classroom, we



**THE SHELL COLLECTION & MATCHING SHELL CARDS**

The 23 shells in this collection, some common and some rare, were selected to be used in later animal classification. They come from all over the world in an amazing variety of shapes and textures.

The work or "cosmic task" of the mollusk is to remove the poisonous substance, calcium carbonate, from the seas and use it in the construction of its home—a gift to the mollusk and to the world. As each beautiful shell is built the purity of the ocean is maintained. Older children love to hear this story. We try very hard to purchase shells from people who have used them as a necessary food source.

The shell cards were drawn to match these particular shells, one each of 23 pictures, 4" x 5.5", cardstock. The 2-part wooden tray on page 54 exactly fits the shells and shell cards. For a



shell matching exercise, order two sets of the shell collection. To make 3-part reading cards, order two sets of the shell cards.

- DP33 Shells & Cards, Complete Set \$24.00
- DP325 Shell Collection, Set/23 \$20.00
- DP34 Shell Cards, Set/23 \$5.00

**SHELL POSTCARDS BOOK**

This book of shell postcards contains 24 full-color pictures of shells from around the world. Introduce real shells before pictures, and match some real shells to the pictures in this book. For the young child, we recommend using them, two sets (you will need two books), for the child to match identical pictures and lay them out on a floor work mat. At this stage use them also for vocabulary cards to learn the names. When the child reads, make labels to match to the shells (with the names on the back of the picture so she can turn them over to check her matching of word to picture. *Shell Postcards Book* is especially valuable when the child is interested in the Michael Olaf shell collection, as most of these shells are pictured. Order two books for making picture matching or reading cards. Of course they can be used for postcards as well!

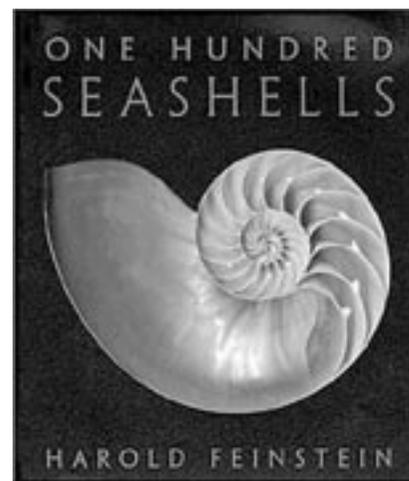
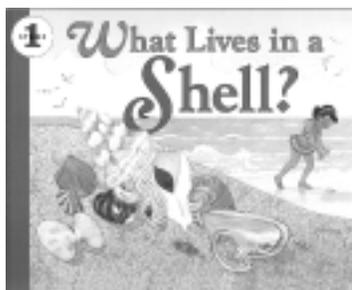


- DL47 \$4.95

**WHAT LIVES IN A SHELL?**

This is the best first shell book we have found. It presents important information in a lovely way geared to the interests of the child. It explains the purpose of the shell (to provide a home and protection), gives the parts of an animal living in a shell, names of several kinds of shells, and so forth. This is also a good beginning reading book. Softcover, 10" x 8", color, 32 pages.

- DP131 \$5.00



**ONE HUNDRED SEASHELLS**

This amazing volume from Italy is a large and beautiful art book, a coffee-table book, a book that will intrigue the whole family, opening eyes to the wonders of shells.

Each page shows just one shell, just like on the cover, with a black background and no distracting words except the name of the shell at the bottom of the page. Hardcover, 11" x 13", full color, 141 pages.

- (\*) DP486 \$50.00

must whenever possible prepare for all of the animal's needs ahead of time—comfort, exercise, food, warmth, gentle handling—and have the visit last only as long as the guest is comfortable, the consideration for the animal being more important than the satisfaction of our

curiosity. In our home we kept two containers always clean and ready to receive a guest salamander or small garden snake. It takes no time at all to dig up a dandelion or another small plant, and to put it in the terrarium with a sprinkle of water for the animal to hide

under for its short visit. A terrarium can be as elaborate as a ten gallon aquarium with a wire top, or a simple jar. The most important thing to keep in mind is that, even though it may be a short visit, the animal will need air. If a container such as a large jar is used, be sure to show the

### TINY ANIMAL MODELS

We are constantly on the lookout for realistic animal models of a small size and an affordable price. These are the best we have found; they are handpainted replicas made in consultation with the American Museum of Natural History and other specialists. The sets of small plastic models are valuable in imaginative play, the child building ecological environments and creating stories.

They are also used for vocabulary practice, learning the names of animals, for matching pairs of animals, matching them to pictures, and for language games.

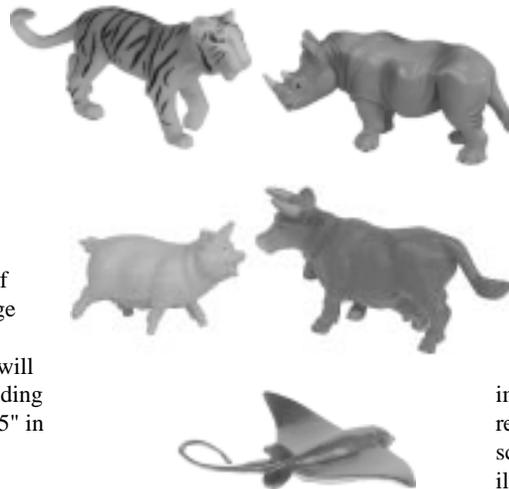
Each shipment varies slightly but in each you will find approximately 14-16 animals, sometimes including identical pairs. The models are between 1.5" and 3.5" in length, packed in a plastic storage container.

DP900 Tiny Farm	\$7.50
(*) DP901 Tiny Galapagos	\$7.50
DP902 Tiny Sea Animals	\$7.50
(*) DP903 Tiny Rainforest	\$7.50
DP904 Tiny Wild (mostly Africa)	\$7.50
(*) DP905 Tiny Down Under (Australia)	\$7.50
(*) DP909 Tiny Arctic	\$7.50
(*) DP908 Tiny Forest (N. America)	\$7.50

### SPECIAL PET ANIMALS:

(*) DP910 Tiny Cats	\$7.50
(*) DP911 Tiny Dogs	\$7.50

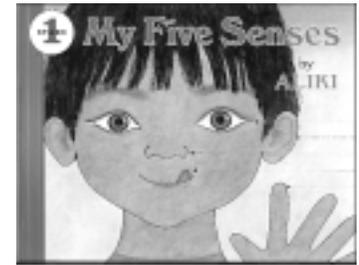
(*) DP912 Complete set of all 10 above sets, approximately 150 animals models	\$73.00
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### BIOME BOOK - EARLY READERS

Here children start to learn that animals develop according to the place where they live. This leads to an understand between human civilizations as well. The books contain beautiful colored illustrations and a few sentences for each in the style of early readers, and bring attention to two very important areas of Earth. Study library binding, 11" x 9", color, 24 pages.

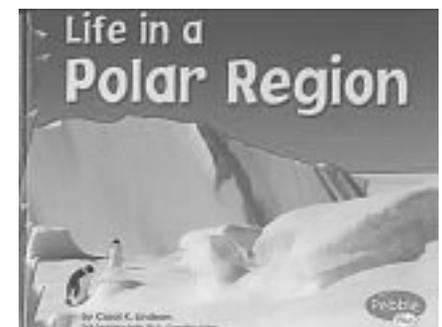
(*) DP462 Polar Region	\$14.95
(*) DP461 Rain Forest	\$14.95
(*) DP460 Biomes Set/2	\$29.50



### MY FIVE SENSES

Children love books about themselves and their bodies. The senses are the basis of a child's education and important concepts for children. This early reader is both interesting to children and scientifically correct; with charming illustrations and perspectives, it brings these ideas to life. An excellent nonfiction book. Softcover, 8.5" x 7", color, 32 pages.

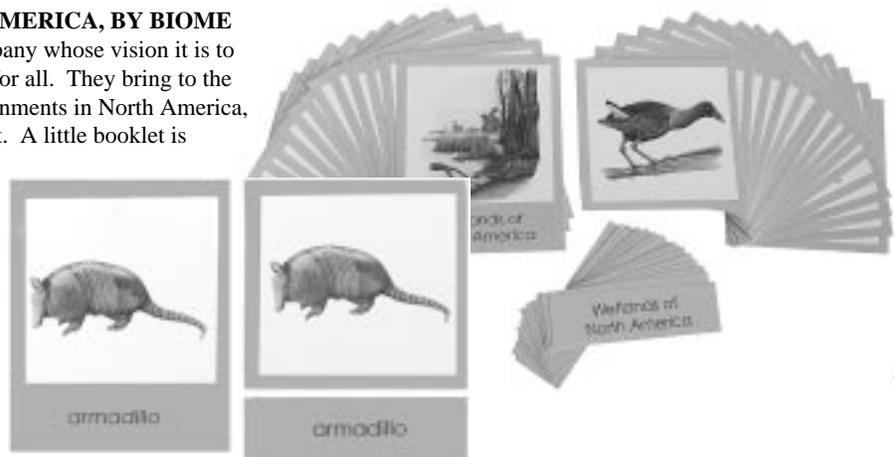
DP133	\$5.00
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### 3-PART CARDS OF ANIMALS OF NORTH AMERICA, BY BIOME

These cards have been created by a nonprofit company whose vision it is to work with children to create a nourishing environment for all. They bring to the child's attention the animals living in a variety of environments in North America, and open their eyes to animals in their own environment. A little booklet is included with each set for the child to check off what animals he has seen. The cards are 3.75" wide, printed on cardstock on an orange and white background. Each set contains 15 different unlabeled cards, 15 labeled cards, and 15 labels.

DP380 Deserts	\$10.00
DP382 Grasslands	\$10.00
DP384 Temperate Forests	\$10.00
DP386 Tropical Forests	\$10.00
DP388 Wetlands	\$10.00
DP390 Set/5	\$49.50



child that there must be holes in the metal top, or show how to fasten cheesecloth with a rubber band to make a breathable top. There should also be moisture but it is easy to put too much water in a container than is comfortable for the creature. These lessons can be practiced

ahead of time and presented slowly and carefully. This shows that the adult respects the work and expects the child to be careful and to do his best.

Hatching cocoons in the home or the classroom is a truly magical experience for the child, and there are mail-order

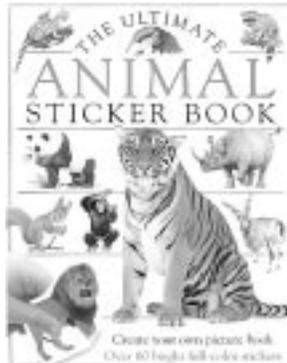
larvae available so that this can be done safely at the correct time. This is a good way to introduce the amazing phenomenon of life cycles in different animals, such as tadpole to frog, and the difference between placental and other mammals.

### ANIMAL VOCABULARY STICKER BOOKS

At this language-absorbing age children are given literally thousands of words and they are thrilled to be able to use them. These sticker books are used to make vocabulary cards in the Montessori class, and can also be used at home. Brightly colored stickers on white background enable the child to see the picture clearly.

Later the adult can use them to make 3-part reading cards so that the child can practice reading the words he already knows. There are drawings and information on each picture (good for definition reading cards). 60+ different examples in full color. The images are 1" to 2" tall.

DL612 Seashore	\$7.95
DL613 Insect	\$7.95
DL618 Animal	\$7.00
DL620 Sticker Book Set/3	\$22.00



### EXTERIOR PARTS OF VERTEBRATES & DEFINITIONS OF EXTERNAL PARTS

As the child learns to look carefully and name more and more animals she begins to see the similarities and differences in the bodies. Children love to know the names of each body part, and this simple introduction will lay the foundation for later studies in the way animals change over time in order to adapt to their environment.

SET 1: *Exterior parts cards* contains full color photographs of each vertebrate, the part named isolated by being a color.

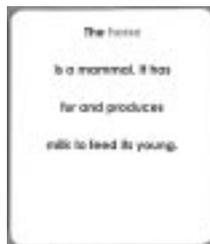
SET 2: *Definition cards* contains 39 scientific terms, 234 pieces, giving the definitions of the external parts of animals See page 72 (Exterior Parts, and definitions, of Invertebrates) for further explanation of the definition cards, illustration and sizes.)

#### SET 1: EXTERIOR PARTS OF VERTEBRATES:

DP610 Parts of the Fish	\$19.95
DP620 Parts of the Amphibian (frog)	\$19.95
(* DP609 Parts of Reptile ( turtle)	\$19.95
(* DP608 Parts of Bird	\$19.95
(* DP607 Parts of Mammal (horse)	\$19.95
(* DP605 Parts of Vertebrates, Set/5	\$96.75

#### SET 2: DEFINITIONS OF EXTERIOR PARTS OF VERTEBRATES:

(* DP510 Definitions, Fish	\$19.95
(* DP511 Definitions, Amphibian (frog)	\$19.95
(* DP512 Definitions, Reptile ( turtle)	\$19.95
(* DP513 Definitions, Bird	\$19.95
(* DP514 Definitions, Mammal (horse)	\$19.95
(* DP515 Definitions, Vertebrates, Set/5	\$96.75



### VERTEBRATE PICTURE CARDS

Each set of these vertebrate card sets contains 12 subjects, color photographs on a white background. For each subject there is a picture card with a label, a picture card without a label, and a separate label. The variety of the selection of images is excellent, and the cards will last a long time because they are protected by heavy laminate and the corners rounded. The large, labeled, card is 3.25" x 4.25." The vertebrate set contains 60 subjects, 180 cards in all.

(* DP740 Fish Cards	\$19.95
(* DP741 Amphibian Cards	\$19.95
(* DP742 Reptiles Cards	\$19.95
(* DP743 Bird Cards	\$19.95
(* DP744 Mammal Cards	\$19.95
(* DP745 Vertebrates Cards, Set/5	\$96.75

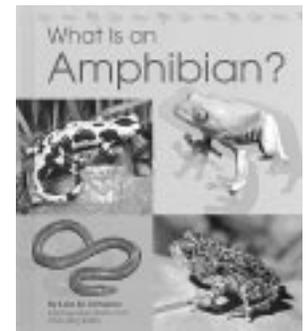


### FIRST "ANIMAL CLASSIFICATION" BOOKS

These six library-bound hardcover books are essential to the zoology library as they present one invertebrate (*insect*) and all five classes of vertebrates (*fish, amphibian, reptile, bird, and mammal*). These classifications are introduced in the 3-6 class and form the basis of further study in the 6-12 class and beyond. The informative text that accompanies the clear colored pictures is presented in the best "first reading" format. Each book begins with a child-friendly "Table of Contents," and ends with a short glossary, internet site and book recommendations, and a short and usable first index. They will be used for a wide age range of young zoologists.

Hardcover, 6" x 7", color, 24 pages.

DP500 <i>What is an Insect</i>	\$11.95
DP501 <i>What is a Fish</i>	\$11.95
DP502 <i>What is an Amphibian</i>	\$11.95
DP503 <i>What is a Reptile</i>	\$11.95
DP504 <i>What is a Bird</i>	\$11.95
DP505 <i>What is a Mammal</i>	\$11.95
DP508 <i>Animal Classification Book Set/6</i>	\$70.00



Because animals are less accessible to the children than plants, we suggest, after the firsthand experience of a few live animals (for example cats and dogs) more models, pictures, and books about them. We can give them simple picture books, beginning reading books, and

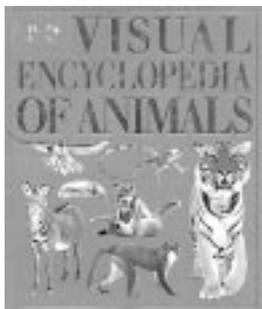
even advanced reference books. Look for colored pictures of entire animals, with a white background, so the child knows exactly what we mean when we say "tiger" (and not "tiger and rock and bushes," or the "head of a tiger." )

Compare humans with other animals,

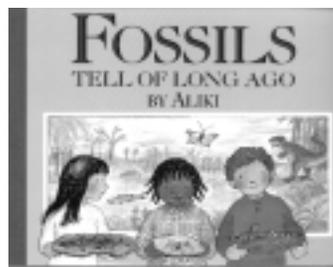
the hands, the eyes, mouths, legs, and so forth, focusing attention on the similarity and differences between humans and other animals. Discussing the need of all creatures for food, water, shelter, warmth, protection, shows that we are all part of the same family of life on earth.

**THE VISUAL ENCYCLOPEDIA OF ANIMALS**

The child begin to use this important book in the 3-6 class, and find it a familiar old friend in the 6-12 class. It is thematically organized into seven sections and packed with facts, figures, and statistics. It is just the right size for the young child to hold, and has over 1000 full color photographs and diagrams, and 500 pages of factual, interesting information on a variety of subjects relating to animals, including: metamorphosis, insect senses, nests and societies, invertebrates and vertebrates, domestic animals, food and diet, and much more. Softcover, color, 5.5" x 6.5", 500 pages.



**DL240 \$13.00**



**FOSSILS TELL OF LONG AGO**

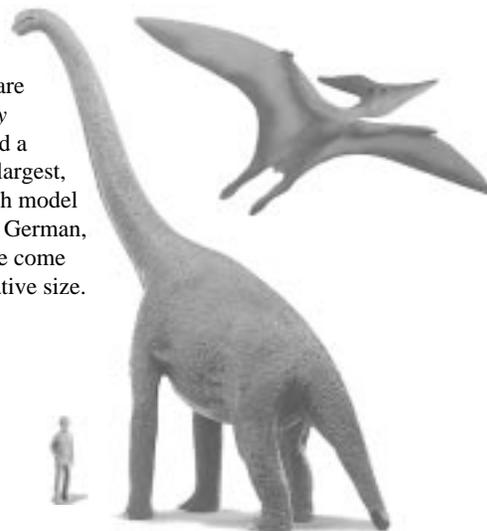
This is an early reading book by the British author and illustrator Aliki. It presents the story of fossils, beginning, "Once upon a time a huge fish was swimming around . . ." Simple, colorful drawings of children on a search for fossils explain where fossils came from, how they are formed, and why they are buried. It explores dinosaur tracks, coal, a mammoth, amber, and the changing earth. Softcover, 8.5" x 7", color, 32 pages.

**DP123 \$5.00**

**PREHISTORIC ANIMAL MODELS**

It has been many years since we have seen prehistoric animal models of this quality. Even the folds of the skin are visible and touchable. At this age children will just enjoy playing with them and learning the names. At age 6-12 they will make the study of the history of life on earth come alive. Aside from the familiar land-reptile dinosaurs, there are two prehistoric mammals (*smilodon* and *wooly mammoth*), a marine reptile (*elasmosaurus*) and a gliding, warmblooded, hairy *pteranodon*. The largest, the *brachiosaurus* is 13" tall and 17" long. Each model comes with a little booklet with information in German, English, French, Spanish, and Italian, and some come with an attached human figure to show the relative size.

- DP425 Brachiosaurus \$24.00**
- DP426 Tyrannosaurus Rex \$16.00**
- DP427 Wooly Mammoth \$14.00**
- DP429 Triceratops \$12.00**
- DP430 Elasmosaurus \$12.00**
- DP431 Pteranodon \$6.00**
- DP432 Smilodon \$6.00**
- (\* DP436 Prehistoric Set/7 \$89.00**



**TINY DINOSAUR MODELS**

Just like our tiny animal models on page 38, here are 3 sets of dinosaur models for the child who wants a complete collection! They can be used both in the home and at school. Each shipment varies slightly but in each you will find approximately 14-16 animals, sometimes including identical pairs. The models are between 1.5" and 3.5" in length, packed in a plastic tube storage container.

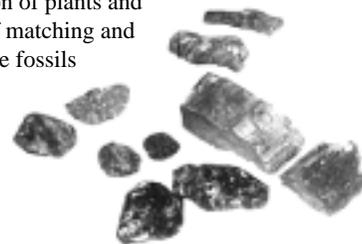


- (\* DP720 Tiny Dinosaurs \$7.50**
- (\* DP721 Tiny Feathered Dinosaurs \$7.50**
- (\* DP722 Tiny Carnivorous Dinosaurs \$7.50**

**FOSSIL PAIRS**

Age 3-6 is a very sensorial stage. It is the time when we provide beautiful fossil specimens for the child to handle, to experience the beauty, texture, and color. Later this foundation will lead to an understanding of the history of earth, and the evolution of plants and animals. This set contains five pairs of fossils. In the process of matching and comparing them the child learns much about each kind. Because fossils are not consistently available, we will select the best at the time you order. They are chosen from trilobite, ammonite, petrified wood, coral, fern, and gastropod. Information on the fossils, and the correct pronunciation, is included. Ten pieces, five pairs of fossils. Set/10.

**DP104 \$20.00**



**DINOSAUR**

A very good first dinosaur reference for the home or school. It is also a valuable reader. Several subjects are introduced with clear, interesting and accurate colored pictures and short clearly labeled paragraphs. There is a child-friendly glossary and index in the back. Hardcover, color, 8" x 10.5", 45 pages.



**DP145 \$10.00**

**GEOGRAPHY & HISTORY**

*Madame Montessori,*

*Even as you, out of love for children, are endeavoring to teach children, through your numerous institutions, the best that can be brought out of them, even so, I hope that it will be possible not only for the children of the wealthy and the well-to-do, but for the children of paupers to receive training of this nature. You have very truly remarked that if we are to reach real peace in this world, and if we are to carry on a real war against*

*war, we shall have to begin with children, and if they will grow up in their natural innocence, we won't have to struggle, we won't have to pass fruitless idle resolutions, but we shall go from love to love and peace to peace, until at last all the corners of the world are covered with that peace and love for which, consciously or unconsciously, the whole world is hungering.*

- M. K. Gandhi, 1943

Today our world is shrinking and we have finally learned to cherish

diversity—economic, racial, all kinds—to prepare children for living in the real world. Gandhi's desire is coming to pass.

There is also an increasing awareness of the importance of teaching students the value of helping others. This is an important element in the child's world view, and in developing a concern for people all over the world, and people of all parts of society.

**TEACHING GEOGRAPHY**

We are very fortunate in the United States to be living in a melting pot of cultures. Even the Native Americans

**GEOGRAPHY & HISTORY CURRICULUM FOR THE 3-6 CHILD**

See page 100 for more information

**GB72 \$5.00**

**PEOPLE**

This has been a classic in homes and schools for years. Peter Spier, the author, is from Holland where he attended Montessori schools as a boy. In his book are many things a child enjoys learning about, such as the food, clothing, languages, religions, and homes, of people all over the world. A sense of humor shines through this book, both in the illustrations and in the subject matter—as in the drawings of the differences of people's noses! Our family checked this out of the library many times over the years before we finally bought our own copy. Hard and softcover, 9 x 13", color, 32 pages.

**DB05 Softcover \$12.95**  
**DB04 Hardcover \$17.95**

**FOR EVERYTHING THERE IS A SEASON**

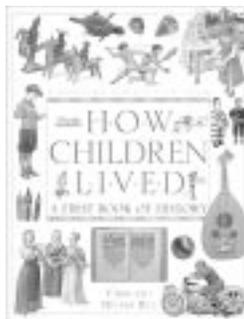
This beautiful art/poetry book illustrates, with art from Ireland, Egypt, Japan, Mexico, Greece, India, Europe, N. America, Ethiopia, Thailand, China, Russia, Australia, the Far North, and the Middle East, a simple poem from the Bible: time to be born, to die, to plant and reap, to weep and laugh, to mourn and to dance, to keep silence and to speak, more. Three pages at the end give details of the art. Hardcover, color, 10" x 10" 36 pages.

**DL090 \$16.95**

**HERITAGE MEMO**

Small plaques with colored pictures of 36 of the cultural monuments constructed by men and women throughout the ages and all over the world. The young child will enjoy matching the pairs of identical pictures, but soon will be able to play the traditional memo game that is so good for the memory. The sturdy, full color cards are 2.5" square and fit perfectly in our new small plastic boxes found on page 93 (DP465 and DP466).

(\*) **DH440 \$19.95**

**HOW CHILDREN LIVED - A FIRST BOOK OF HISTORY**

How wonderful to see history from a child's perspective! An introduction to clothing, foods, houses, transportation, games and more. In *How Children Lived* one enters the lives of 16 children living in times past: from Hori, a trainee scribe in ancient Egypt, to Jack, the son of an American drugstore owner in the 1920's, and Greece, China, Rome, Viking Norway, Mali Africa, Aztec Mexico, Moghul India, Tokugawa Japan, the Australian Desert, the Native American Plains, and more. Beautifully detailed illustrations conjure up the fascinating worlds in which these children lived, and photographs of historical artifacts show the real objects they would have used. Softcover, 9.5" x 12.5" color, 45 pages.

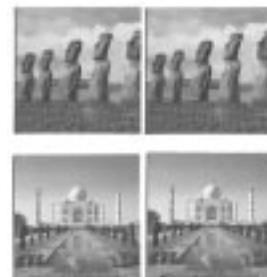
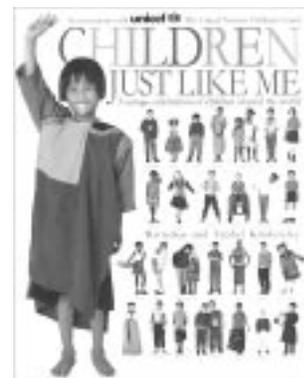
**DH330 \$8.00**

**CHILDREN JUST LIKE ME  
A CELEBRATION OF CHILDREN  
AROUND THE WORLD**

This

book was produced in association with UNICEF to mark its 50th anniversary. It is based on personal interviews with children all over the world, and illustrated with photographs of these children, their signatures, families, pets, toys, belongings, schools, homes, and so forth. In the front of the book there is a place for a photo of the child who owns this book. All of the continents are represented. This is an important book for any classroom and home. Hardcover, 12.5" x 9.5", color, 80 pages.

**DG030 \$20.00**



came from somewhere else. This wonderful living lesson in geography teaches us that the main difference between us is *when* we came to our country and *why*.

The study of geography and of history revolves around the needs of all humans for such basic things as food, housing, a means of transportation, clothing, and the mental and spiritual needs for work, play, and worship. In the early years children are given concrete examples, stories and pictures of people all over the world, in order to build a foundation in geography and history.

The first lessons center around how people have developed a culture because of the place where they live. How and why are the people living north of the arctic circle different from those living near the equator? This attitude provides a healthy, non-judgemental, non-ethnocentric, non-nationalistic, basis of exploration of peoples of the world.

The seeds of the study of history are given through experiences of ethnic foods and music, objects, pictures, and books. Later children will build on the impressions taken in during this time of the *absorbent mind*, the age when they

literally become all of the impressions taken in from the environment, to make sense of the history of the world.

### Globes, Maps, and Flags

The more easily available a globe and map is to a child, the more often it will be referred to and the more geography will be learned in a very simple and enjoyable way. In providing experiences for the child we move from the general view to the specific—from the whole earth to continents to countries to counties, then towns and neighborhoods.



### EXPLORERS AND WORLD LEADERS

Sets of ten large vocabulary cards of famous explorers and a second set of world leaders. At this age children enjoy seeing large colored pictures, and hearing simple stories of people they have heard about, or will hear about. Eventually the child will be interested in the 10 facts printed on the back of each card. Later, as they study history and biography, this early exposure will make academic studies more interesting. The sets fits into the Michael Olaf frame found on page 91. 11" x 11", full color, wipe-clean surface.

Explorers: Alexander the Great, Balboa, Battuta, Columbus, Herodotus, Ericsson, Hudson, Ponce de Leon, Magellan, Marco Polo. World leaders: F.D.

Roosevelt, Gandhi, Winston Churchill, de Gaulle, J. F. Kennedy, Lenin, Mao Tse-Tung, Gorbachev, Nelson Mandela, Margaret Thatcher.

**DH210 Explorers, Set/10 \$23.00**

**DH215 World Leaders, Set/10 \$23.00**

### TEACHING PEACE

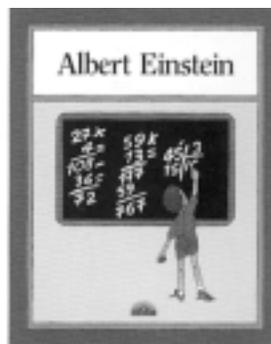
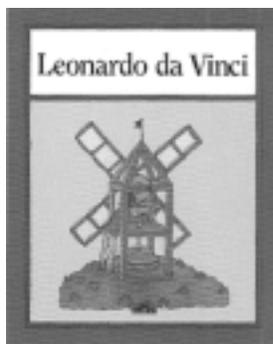
Several schools have given music

programs for the parents with these songs because they are so well loved. These original catchy songs break down the



somewhat vague idea of "world peace" into practical, loving examples. One example, which children love to memorize, is a musical list of countries. On the CD the songs are recorded with the lyrics, and then just the music—for the children to sing along. The Song Book/Teacher's guide contains all of the lyrics and some creative ideas. Ringbound, 9" x 11.5", black and white, 90 pages.

**DM709 Book and CD \$35.00**



### CHILDHOODS OF THE GREAT

These books are without a doubt among the best first biography books for children we have seen. Each book gives a picture of a child, with idiosyncrasies common to many children, which in each case led to a very creative adult recognized by the world as a very great person. The pictures are delightful, one large illustration and a few sentences on each page. The text and the illustration are charming and humorous and enjoyed by children and adults alike. The books are also good as early readers. There is a subtle message in these books for us adults: The one thing each child had in common in his environment was time—time to himself to contemplate and to think and to create according to his own interests. 7.5" x 10," Softcover, color, 32 pages.

**DH08 Leonardo da Vinci - as a Child \$6.95**

**DH09 Albert Einstein - as a Child \$6.95**

### DAY IN THE LIFE OF . . .

These remarkable early readers are interesting to children because they present, in simple sentences with lots of repetition, and photographs of real people, how it takes all kinds of daily work to make up society. Written by leading children's authors and compiled in consultation with literacy experts, these engaging books build reader confidence along with a lifelong appreciation for nonfiction. Softcover, 6" x 9" color, 32 pages.

**DH420 Builder \$4.00**

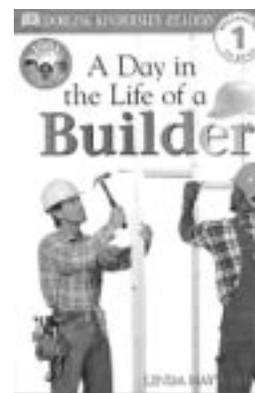
**DH421 Doctor \$4.00**

**DH422 Firefighter \$4.00**

**DH423 Musician \$4.00**

**DH424 Police Officer \$4.00**

**DH428 Day in the Life of Set/5 \$19.50**



I remember one day my oldest daughter, then age three and recently having begun attending a Montessori school, was watching me, along with some of her older friends (ages six and eight), pour some beaten eggs into a skillet. She said "That looks like Africa!" One of the children who were with her asked, "What is Africa?" to which Narda replied "It is a continent." The other friend asked her what a continent was and Narda said, with a little bit of exasperation "Come with me." She then got out the globe and sat the older girls down for a very enjoyable lesson on the

names of the continents and countries of the world. There is no reason to put off geographical studies until later grades. Children want to have an idea of where they live on a globe of Earth at very young ages.

Since this is the time when children love to do puzzles, and to know the names of everything in the environment, we follow the children's interests by offering puzzles of real value. Puzzle maps have been used in 3-6 classes for many years. Children easily "absorb" and memorize the relative sizes, the shapes, the location of continents and countries

of the world in this motor-sensorial time of life. They delight in learning the names of every country and capital, the states, the rivers and mountains. These impressions are likely to stay with them forever.

We also give national songs, dances, instrumental music, costumes, pictures of state birds, flowers, flags, architecture, inventions, and adults and children carrying out the many aspects of life. We are very careful not to give the impression that any culture is superior in any way to any other. Each culture has its own strengths and weaknesses, its



### THE UNITED NATIONS FLAGS

A young child forms a first image of a country by means of pictures, puzzle map pieces, postcards, music, and flags. For the older child the flag becomes a symbol of people joined together in community—an important concept. Children learn much about the world from studies of flags and how they came to be the way they are.

This up-to-date set contains the flags of 191 countries of North and South America, Africa, Asia, Europe and Australia. Each flag staff is 10" tall with a gold spearhead at the top. The flags are 4" x 6", of silky rayon or polyester, colored in brilliant, true color with fine attention to detail. They may be ordered as a set of flags alone or with the large base.

**DG32 Set /191 United Nation Flags \$315.00**

### WOODEN FLAG BASES

These beautiful natural hardwood flag bases are hand cut, joined and beautifully finished by a local designer of fine furniture.

The *Large Base* holds 191 flags for a beautiful display (see above). There are 197 holes to make room for future flags. The total length of the three sections is nine feet, nine inches! The three sections can be used separately.

**DG33 Large Base \$125.00**

The *Small Base*, 11" long base, made of the same beautiful wood and craftsmanship, displays 10 flags.

**DG357 Small Base \$17.00**

### FLAGS & LARGE BASE SET

**DG34 All Flags (191) & Large Base Set \$430.00**



small flag base



### INDIVIDUAL FLAG BASES

Children become very good at drawing when they are protected from coloring books and prepared papers to color in such as flag outlines. Simply give her an individual flag on a stand and some colored pencils, markers,

crayons, or paints. The result will be far more pleasing and original.

In order for the children to take individual flags from the stand to work with, we also carry individual flag bases. The black plastic flag base holds one flag.

The base is 2.5" in diameter. Sold as a set of three bases.

**DG355 Set/3**

**\$3.00**



### FLAGS STICKER BOOK

We recommend this book for the classroom because it contains one each of 200 country flags, including the national flag of every country in the world—excellent for matching to map puzzle pieces or for use as vocabulary cards (buy two books if you want two of each sticker for making matching, or 3-part reading cards). The stickers are 1.5" x 1.75". This can of course also be used as a child's sticker book.

**DG035**

**\$7.95**



own gifts to the whole.

Flags of the world have a special attraction to children. Ideally every classroom has a set of the flags of the world. A child might come in one morning with a story about India. She will gather all of the objects related to India in the classroom—a folder of pictures of Asia, the map of Asia with the puzzle piece of India, maybe a brass pitcher or statue from India, the flag of India, and so on. Often other children will join in the search, and maybe remind her of a song or poem from this country.

### TEACHING HISTORY

In the "Age 3-6 Earth" section you will find materials for teaching the concepts of solar system, constellations, and *physical geography* that will eventually come together with experiences of *cultural geography* to give the child an excellent foundation for later studies of these subjects.

Biographies of famous and not-famous people are important pieces of the puzzle which will create the child's ultimate understanding of the history of the world. The adult begins this with

stories about herself. One story I told over and over was about the experience of getting up one morning, going through the living room to fix breakfast and seeing our horse staring in the living room window at me. That's all, no plot, just a true experience, and the children loved it.

The mental construction of geography and history will come together in a different way for each child. It is our responsibility to arrange for many varied and interesting experiences which inspire the child to want to know more.



### EARTH FLAG

There are, thank goodness, many kinds of earth flags available today. The one we have chosen is small enough for the children's room or the classroom, 16" x 28", lightweight and can be hung up

inside or outside. The image is an official NASA photograph of our planet as seen from space. This flag makes the important statement that we are all part of a large community. As Dr. Montessori was fond of saying, *I live in space. My home is a sphere that moves around the sun. It is called Earth.*

The flag is printed on dark blue double-stitched polyester, fabric with two brass grommets on the side for hanging.

(\*) **DE470**      **\$15.00**

### SECOND SET OF CONTINENT BOOKS

The *first* and most basic continent book set can be found on page 25. This *second set* is softcover and has more text containing a variety of information on the people and the history of the continents. It is good for the home and for more advanced readers.

Each book contains a simple map of the continent and a satellite image. There are colored pictures depicting the animals, the people, physical features, a clear introduction to the uniqueness of each continent. At the end is a "Fast Facts" list (The length of the Yangtse River in China for example), a list of suggested books, organizations and internet sites to find out more, a list of important words, and an index. Softcover, 8.5" x 7", color, 47 pages.

<b>DE140</b> Africa	<b>\$6.95</b>
<b>DE141</b> Antarctica	<b>\$6.95</b>
<b>DE142</b> Asia	<b>\$6.95</b>
<b>DE143</b> Australia	<b>\$6.95</b>
<b>DE144</b> Europe	<b>\$6.95</b>
<b>DE145</b> North America	<b>\$6.95</b>
<b>DE146</b> South America	<b>\$6.95</b>
<b>DE147</b> Continents Set/7	<b>\$48.00</b>



### LARGE UNITED STATES WOODEN PUZZLE MAP

These beautiful USA puzzle maps invite children—and adults—to touch. We first saw one many years ago, on the coffee table in the beautiful living room of artist friends, and set out to find it for you. The wood-tones map is stained shades of brown and gray, and the colored version is stained lovely shades of the primary and secondary colors—red, orange, yellow, green, blue and purple. The puzzle maps are individually handcrafted of sustainable forest wood, with all nontoxic stains and finishes. Aside from being works of art, the puzzle maps are educational, teaching the shape and placement of the states, and teaching the names of the states (which are painted underneath each piece), and the capitals (which are printed on the back of each piece.) Dimensions: 15" x 24".

<b>DG06</b> Bright Colored Puzzle Map	<b>\$52.00</b>
<b>DG070</b> Wood-Tone Puzzle Map	<b>\$52.00</b>



### CHILDREN OF NATIVE AMERICA TODAY

Children should also learn about the people of their own country and community. This picture book presents twenty-five of the many Native American groups such as Seminole, Lakota, Navajo, Yurok, and Hawaiian. Large colorful pictures show children in native dress carrying out traditional activities. This is excellent preparation for the Native American history work done in the 6-12 class, as the child studies many different civilizations. Hardcover, 9" x 11", color, 64 pages.

**DH050**      **\$19.95**



## MUSIC

*If you can walk, you can dance.  
If you can talk, you can sing.*

—Zimbabwe Proverb

## SINGING

Humans are born to sing. As soon as a child can focus on the mouth of the mother, he is studying how lips move and how sounds are made. When he begins to make intentional sounds and the adult

imitates them, the first duet is born. Let us help the child continue with this joyful human creation.

There is no such thing as a nonmusical child, there are just nonmusical adults who did not get this practice as children. Songs give children a way of expressing emotions, and the very act of singing is a physical release. I have always watched for the casual, unintentional singing in class, knowing that it is a positive sign. In our home, hearing our son sing in bed as he went to

sleep at night was a reassuring sign that his life was in balance. We do not need beautiful voices to model singing for children.

Singing also gives practice in language, new words, poetry, and historical and other cultural information.

In a class, where children work individually instead of having group lessons, the teacher will sing a song, make music, dance, at any time during the day with two or three children who aren't busy. Others may join in as they

## MUSIC CURRICULUM FOR THE 3-6 CHILD

See page 100 for information  
GB73 \$5.00



## "WEE SING" SONGS AROUND THE WORLD

It is more and more important that our children experience elements of other cultures, such as languages and songs. *Wee Sing Around the World* contains an hour of music, over 40 traditional songs, in native tongues, from North America, South America, Europe, Africa, Asia, Australia, and Oceania. The accompanying booklet contains the lyrics (in both the original language and English), melody line, and chords for each song.

DL993 CD and Booklet \$10.00



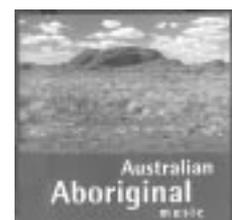
## CONTINENT MUSIC CD'S

Ideally the child can select a CD, put it in the CD player, take off her shoes and dance whenever the mood strikes. In the picture to the left the children can choose from a collection of classical or ethnic CD's and dance at any time. The adult will need to teach the child how to keep the volume low enough to not disturb children who are concentrating, and high enough to dance.

Imagine the variety of dance interpretations of children listening to the music of Brazil, Native American, Mozart, and Chopin.

An important part of the study of different continents at this age is the tremendous and exciting variety of music. Just as the child is fascinated with the sounds of language—the language of his family and any languages in the environment, he is in the sensitive period for developing a love and understanding of music. An information booklet is included with each CD.

CM200	Music of India (Asia)	\$15.00
CM202	Mali and Guinea (Africa)	\$15.00
CM204	Native American Music	\$15.00
CM206	Music of Brazil (S. America)	\$15.00
CM208	Australian Aboriginal Music	\$15.00
CM210	Music of Eastern Europe	\$15.00
CM220	Continent Music Set/6	\$89.00



## RHYTHM STICKS KIT

Keeping time to music, or playing rhythm games with sticks, is a tradition in many parts of the world. This



handy set contains twenty-four 12" colored sticks and an instruction booklet with ideas for use—though the children will come up with their own in the presence of inspiring music.

(\*) DM340 \$23.50

## CD's by Sanford Jones — CHILDREN'S SONGS, FOLK SONGS, &amp; MUSIC FOR MOVEMENT

For years these two CD's have been an important part of the Montessori 3-6 and 6-12 classes. Favorite songs written by a Montessori father/teacher are on the first one, original Children's Songs for 3-6, and old favorite Folk Songs for 6-12. The second CD contains calm and soothing music to help the child practice walking with care and grace on a line in the classroom. It also contains a variety of musical rhythms that encourage dancing (NOT on the line) and playing musical instruments or rhythm sticks.

DM732	Children's/Folk Songs, CD	\$19.00
DM712	Line /Rhythms, CD	\$19.00

please. Any child can make music whenever she feels like it.

**LISTENING TO MUSIC**

Just as beautiful speech comes from years of listening, music appreciation and accomplishment comes from years of listening to music.

Songs, folk, ethnic, and classical music played on real instruments, experimentation with good percussion instruments, ideally are all a part of the daily life of every child.

We can help a musical ear's development by being careful to eliminate background sound—TV, radio, constant random music—so that the sense of hearing is ever alert and not "turned off" by too much auditory input.

**COMPOSERS**

Stories of composers, especially stories about when they were children, are always interesting and important for young children. They show that famous composers did not just spring full-grown

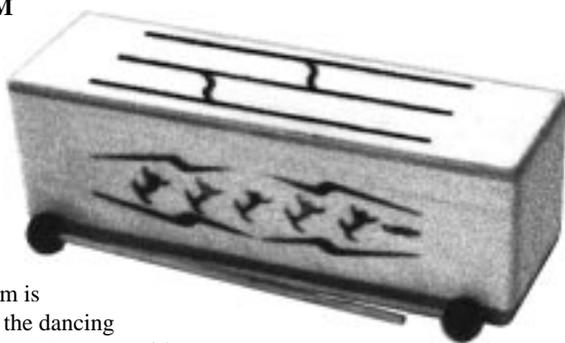
into being, but were regular children who became interested in writing down the music in their heads.

**MUSICAL INSTRUMENTS**

*It is important for children to realize that music is always the result of body movements. Even if there are natural sounds, children need to understand that music is produced by human beings using various muscles of the mouth, hands and arms. They should know how many different instruments there are and*

**TAPO SLIT DRUM**

Slit drums have been made ever since humans discovered that striking a hollow log made a beautiful sound. These drums, from the Tapo Company, set the standard for slit drums today. This beginner drum is made of solid birch, with the dancing figures burned into the front. It comes with two wood and rubber mallets. Striking the top of the drum in different places gives five different tones. The drum is 11.5" long, 4" wide, and 4.5" tall.



**DM450**

**\$47.00**

**HANDPAINTED AUSTRALIAN ABORIGINAL CLAP STICKS**

To show an ancient and beautiful example of rhythm sticks, give the child a pair of these hand-painted instruments. *Australian Clap Sticks* are traditional Aboriginal percussion instruments, used by both men and women. They are played by holding one stick loosely in one hand and striking it in a heart beat rhythm with the second. Our versions are authentic instruments, handmade and handpainted by native craftspeople; the designs depict personal stories and can vary with each pair. They are approximately 8" long, handpainted in natural earth tone paints that are made out of iron bark or *brigalow*.

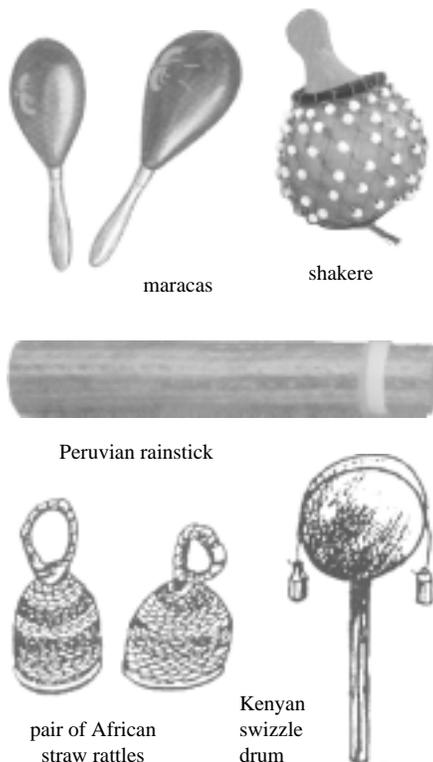


**DM800**

**\$34.00**

**INTERNATIONAL PERCUSSION INSTRUMENTS**

Next to singing and dancing, playing percussion and other musical instruments is the best musical experience for young children. The *Andean Drum* (8" in diameter) is made of wood and bark from the eucalyptus tree, gut from pigs which are the main meat of Andean families, and handwoven twine. The *antara*, or pan pipe, (3-4" wide) gets its name from the Incas. It is made of bamboo pipes and is very typical of South American music. The rainstick, or *palos de aqua*, (12" long) from Peru, is made from normata cactus, filled with small pebbles, which fall through the thorns and sound like rain. African instruments include a pair of brightly colored, woven 6" *straw rattles*, a *swizzle drum*, a small 6" *shakere* made of a gourd covered with a string net of seeds which hit against the gourd to make an interesting sound, and a 6" long thumb piano or *kalimba* of pounded metal and carved wood.



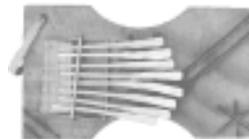
maracas

shakere

Peruvian rainstick

pair of African straw rattles

Kenyan swizzle drum



thumb piano



Andean drum

- DM02 Andean drum \$14.50**
- DM01 Antara (pan pipe) \$7.00**
- DM496 Mexican Maracas/pair \$13.00**
- DM03 Peruvian Rainstick \$7.50**
- DM506 African Straw Rattle/Pair \$10.00**
- DM486 Kenyan Swizzle Drum \$12.00**
- DM620 Shakere \$15.00**
- DM630 Thumb Piano \$15.00**
- (\* DM645 Percussion Set/8 \$92.00**



antara or pan pipe

should have the opportunity to witness how musicians control their gestures so as to obtain different musical sounds.

—Dr. Silvana Montanaro

To help a child experience this important part of a good education, we recommend real percussion instruments from different countries of the world, as well as Western classical instruments, for quality, variety, and beauty of sound, and for the connection to different cultures.

Listening to a heartbeat with a

stethoscope, then tapping out the rhythms of the children's names (*Jennifer* = x x x, *Alex* = x x) with the instruments is a good introduction to rhythm.

Children at this age are very open to learning the techniques of instruments considered very difficult—such as piano or violin—when they have a system of learning, such as Suzuki, which bases its teaching on the natural development of children.

*A new form of educational system will not appear until we give serious*

*consideration to the fact that we have a "double mind." Children at any age must be offered a balanced experience of VERBAL and INTUITIVE thinking to help develop the great potential of the human mind. The results will not only include better functioning of the brain but also greater happiness in personal and social life.*

*In Western education, we tend to separate them, because many of the things the right hemisphere (intuitive) is able to do are not highly valued in our*

**JAMTOWN PERCUSSION**

For the teacher or parent who feels the need for some guidance in sharing music with children, we offer these wonderful percussion sets which reinforce teamwork, leadership training, and music skills with small or large groups. Unique sounds from different countries. Each instrument is hand-crafted.

The **Junior Pack** includes authentic, rich-sounding instruments

handcrafted by village artisans in Peru and Bali. It includes a pair of *claves* (wood rhythm sticks), *shaker* (carved dried gourd), and *drum* (double headed goat skin stretched over wooden bark frame), an instructional CD, rhythm cards and 30-page activity guide, and a carrying bag.

The **Family Pack** includes a *double bell w/striker* (Ghana), *scraper gourd with rasp* (Peru), *coconut palm claves* (Indonesia), *goat hoof shaker* (from a Bolivian basic food source), *frame drum* (Indonesia) and a sturdy travel bag. Also a 30-page activity guide, CD, and 16 simple rhythm cards,

(\* **DM830 Junior Pack** \$45.00  
**DM810 Family Pack** \$85.00

JAMTOWN FAMILY PAK



**INTERNATIONAL MUSICAL INSTRUMENT CARDS**

These cards will give the child the vocabulary of world music. Later they can be sorted in two ways—by continent or by music classification. Musical instruments can be classified into three groups, (1) wind, the sound made by the movement of air, (2) percussion, the sound made by two objects hitting against each other, and (3) string, the sound made by the vibration of a string when plucked. The set contains 24 different black and white pictures, with the name written in lower case letters at the bottom. They are printed on 4" x 5.5" cardstock. Set/24. Order two sets to make matching, or 3-part reading cards.

**DL60 \$4.50**



**STOMP YER FEET**

This new CD was recommended to us by our grandchildren! There are several copies of it in the family's cars because the adults love it as much as the children. It is happy, cheerful music that makes one want to dance. A dad (and sometimes his young children) and his guitar, singing old favorites with the roots in folk music, blues, and jazz: *If You're Happy and You Know It*, *Alphabet Song*, *Froggy Went a Courtin'*, *Waltzing Matilda*, and *You are My Sunshine*, are among the favorites among the 15 songs.

(\* **DM335 \$16.50**



civilization. So from a very young age, children learn not to express themselves completely with that hemisphere because they haven't been urged to give much importance to body-movement in dancing or in singing, drawing . . . all the arts. In Eastern civilizations, however, greater importance tends to be given to the intuitive part of the brain; the logical hemisphere is considered irrelevant in solving the real problems of our existence.

*It is a source of great hope for our immediate future that the most advanced human beings of both cultures are uniting in the recognition that we need each other to become complete and that we have a lot to share.*

—Dr. Silvana Montanaro, M.D.

*What does not exist in the cultural environment will not develop in the child.*

—Dr. Shinichi Suzuki



Learning to write and read music can be as easy as learning to write and read words.

**COMPOSER CD's**

These old favorites introduce a child (or adult) to both the life story, and the music, of great composers. Each recording contains between twenty and thirty familiar musical selections, with the name of each given in the enclosed literature. Between pieces is a little bit of information about the life of the composer—a story set to music. The CD's are over an hour in length, accompanied by a 6-page booklet with program notes.

We recommend setting out a composer postcard or a book about the composer whose music is being played so the child will make the visual-auditory connection.

Note: The following are all composers who wrote music played in the Suzuki repertoire for piano, violin and other instruments, or recommended by Suzuki teachers for listening.

- DM121 Bach \$7.50
- DM122 Beethoven \$7.50
- DM123 Chopin \$7.50
- DM126 Mozart \$7.50
- DM132 Set/4 CD's \$29.50



**COMPOSER POSTCARDS**

These beautiful postcards are sent to us from Germany and the sets vary somewhat, but they almost always include Bach, Beethoven, Chopin, Handel, Haydn, and Mozart, so can be put out as the composer CD's are played—so the child can connect the picture with the music. Two of our favorites which are often included are of Handel (one with his white wig and one without!) and one of Paganini in which he looks as wild as his music. They are great for timelines as the children enter the elementary class. Size: 4" x 5.75". A set of 24 cards.



J. S. Bach      Chopin      Mozart

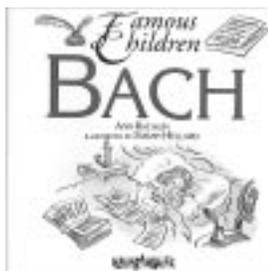
DM32 \$18.00

**WESTERN CLASSICAL MUSIC, ORCHESTRAL INSTRUMENT CARDS**

Children love these instrument cards, the size, the pictures, the information. These are the traditional orchestral instruments of Western music orchestras. The cards have a symbol of string, percussion, woodwinds, and brass in the upper left-hand corner, to introduce a further classification from the basic string, percussion, wind groups. There is also information about each instrument, and a separate card showing the arrangement of the orchestra by instrument. 6" x 9", color, Set/24 cards.

DM570

\$8.00



**FAMOUS MUSICIAN BIOGRAPHIES THEIR LIVES AS CHILDREN**

When I was young our family had a book about Chopin with whimsical watercolor illustrations which we loved. These books are of the same quality and beauty. Children love to hear stories about these famous composers when they were young, and to hear the music of each along with the story. Softcover, 8.5", color, 20 pages.

- DM23 Bach \$8.00
- DM235 Beethoven \$8.00
- DM25 Chopin \$8.00
- DM28 Mozart \$7.00
- DM304 Set/4 \$30.00

**COMPOSERS**

—LARGE PICTURES

A set of ten large vocabulary cards of famous composers. Each large card has ten interesting facts about the composer chosen especially for young children, and

interesting to the adult, printed on the back.

We put one out, Mozart for example, next to the CD player as the Mozart music is playing. Then the child unconsciously learns to associate the music with a particular human being. Later the child will be interested in the information printed on the back of each card. The set fits into the Michael Olaf frame found on page 91 for easy rotation of pictures. Size: 11" x 11", cardstock, full color, wipe-clean surface.

DM100 Set/10

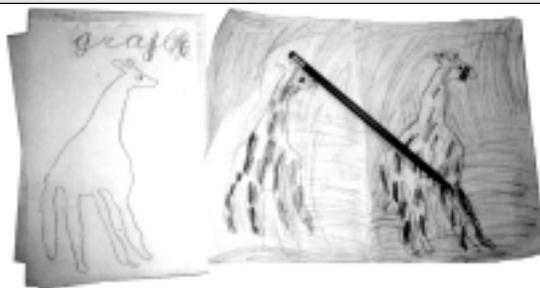
\$23.00

## ART

*The truth is that when a free spirit exists, it has to materialize itself in some form of work, and for this the hands are needed. Everywhere we find traces of men's handiwork, and through these we can catch a glimpse of his spirit and the thoughts of his time.*

*The skill of man's hand is bound up with the development of his mind, and in the light of history we see it connected with the development of civilization.*

—Dr. Maria Montessori



When given paper and art materials, rather than prepared fill-in sheets or coloring books, children create amazing works of art.

### ART CURRICULUM FOR THE 3-6 CHILD

See page 100 for more information  
GB74 \$5.00



### MODELING BEESWAX

This beautiful art product is softened by holding it in your hands, or next to your heart, as the figure takes shape in your mind. Once the wax is formed it becomes hard again until re-softened. It makes lovely little flowers, animals, people, etc. It can also be used to decorate candles with shapes and figures. The beeswax comes in a set of fifteen 4" x 1.5" x 1.4" pieces, each a different color.

DA04 \$18.00



### PLASTALINA CLAY AND TOOLS

One of the most soothing activities for an upset child is to work with clay. This modeling clay is for artists of all ages. It has a pigmented oil base compound renowned for its smooth consistency and the fact that it never hardens and can be used over and over, shaping and reshaping. The colors are earth tones and bright colors: red, blue, yellow, and green.

The clay cutter is a wire with two small wooden handles with which the child can cut the clay into pieces, and the 5-piece plastic modeling tool set allows the child to cut, shape, smooth, and decorate the clay with a choice of patterns.

DA220 Clay, one pound (earth tones) \$4.50  
DA230 Clay, one pound (bright colors) \$4.50  
DA240 Tools Set/6 + wire cutter \$11.50  
DA244 Set, both clays and tools \$20.00

### PRISMACOLOR PENCILS

Over the years, in our home and in schools, we have tried just about every kind of colored pencil. We have found pencils by Prismacolor to be the best. These thick graphite art pencils are the first choice of professional artists because they contain soft blendable graphite, permanent acid-free pigments, and they are water- and smear-resistant. For the home we recommend the largest box you can afford because children love the variety of color and they inspire the budding artist. The pencils come in a lovely metal box.

DA712 Prismacolor, Set/12 \$15.00  
DA714 Prismacolor, Set/24 \$30.00  
DA716 Prismacolor, Set/36 \$45.00  
DA718 Prismacolor, Set/48 \$60.00



### SKETCHBOOK

We cannot over estimate how wonderful it is to have a permanent record, to be able to look back on our child's years of thoughts, sketches, tic-tac-toe games, and pictures, as recorded in sketchbooks like this one. We carried them with us on trips, nature walks, to museums, even to boring situations such as restaurants when the children were young. And later our children continued the idea by creating ongoing journals, complete with drawings. Now we, and they, have priceless records of their lives. This Strathmore paper is sold mostly to artists and art students. It is 60 pound paper, 9" x 12", 100 sheets with ring binding. It can be used with pencils, colored pencils, even felt pens.

DA260 \$11.50



### WOOD AND BRASS PENCIL BOX FROM INDIA

In years past children often had special handmade wooden pencil boxes to carry with them to school to keep their pencils in good order. A box makes the arranging of pencils a favorite childhood memory for many, and it is a charming old-fashioned gift for a child. This rosewood and brass creation inspires the need for order of the child. Each box is individually hand-crafted in India and looks handmade. The brass inset design on the top differs with each order.

The box easily holds the set of 12 pencils. The box is 10" long.

DA310 \$9.00



Art is essential in the environment of the child from birth on. It is a way of approaching life, of moving and speaking, of decorating a home and school, of selecting toys and books. It cannot be separated from every other element of life. We cannot "teach" a child to be an artist, but we can help him develop:

*"An eye that sees  
A hand that obeys  
A soul that feels"*

### ART MATERIALS

Children benefit from having a variety of art materials available to them at all times and a space to work, uninterrupted, when they are inspired. It is important to provide the best quality that we can afford—pencils, crayons, felt pens, clay, paper, brushes—and to teach the child how to use and care for them.

### ART ACTIVITIES

Individual art work connected with other subjects is more creative, noncompetitive, and successful than group projects or models created by the teacher for children to imitate. Children should not learn to imitate the creations of an adult, to turn out products that all look



### PEG LOOM

Children immediately grasp the technique of weaving with this simple but sturdy loom, and join in the 8000-year-old satisfying craft, making a purse or bag, coasters, or wall hangings. This provides a welcome opportunity for creativity and concentration for any child. Everything the child needs to begin is included: hardwood loom with rugged nylon pegs, 100% wool yarns, strong cotton warp yarn, plastic needle, instructions.

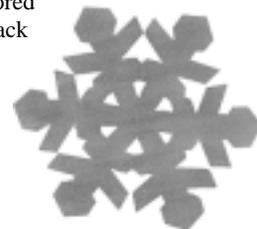
**DA15 \$20.00**

### KIRIGAMI JAPANESE PAPER CUTTING

Kirigami is the ancient Japanese art of folding paper into a simple shape and making beautiful patterns with just a few cuts with the scissors. Even the youngest child can cut a simple shape and then glue it onto a contrasting piece of paper for a lovely piece of art, and gradually can learn to make more complicated designs—when he sees this being done around him. In class we keep a kirigami tray, with paper, scissors and glue always ready for the child.

*Basic Design Kirigami* contains 24 basic kirigami designs, or flower patterns, and comes with a supply of fifteen 6" x 6" pieces of colored paper. Packages of origami/kirigami paper comes in a pack of 100 plain colored sheets, or 40 beautifully patterned sheets. All paper is 6" x 6".

**DA423 Basic Design Kirigami Book \$8.95**  
**DA440 Origami paper, plain (100) \$5.50**  
**DA442 Origami paper, patterned (40) \$5.50**



### SCISSORS

These excellent scissors are molded to fit both right and left hands, with an oversize handle which allows for several different grips by young children. The blunt tip and precision ground edges make them perfect for many different uses in the home or classroom. 5" long.

**DA556 \$3.50**



### BUDDHA BOARD

Just as with any other creative endeavor it is best if the emphasis is on the process rather than the product. With the *Buddha board* the child draws with water and the design shows as a dark line wherever the water touches. Then, as the water dries, the drawing disappears and the board is clear! It is as much fun to watch the drawing disappear as to see it appear and one can draw for hours and use no paper at all.

The 9.5" x 12" *Buddha Board* drawing surface is fixed into the 4.5" x 6" water and brush container. The child dips the Japanese sumi brush (softened by soaking before the first use) into the black box and paints.

**DA500 \$30.00**



### ART MEMO II

We think this game far superior to the Art Memo I that we used to carry because there is such a varied international representation of art, including Western, but also Eastern and Middle Eastern examples. The very young child can enjoy just matching the pairs of identical pictures, but soon will be able to play the traditional memo game that is so good for the memory. There are 36 pairs of famous paintings from museums all over the world. The sturdy, full color cards are 2.5" square and fit perfectly in our new

small plastic boxes found on page 93 (DP 465 and 466)

**(\*) DA119 \$19.95**

### ARTIST CLIP BOARD

To keep work organized, and provide a smooth work surface, this will be welcomed by any artist. The cutout handle on one side makes it easy to carry around, and a child as young as four or five can learn to use the clip to secure a picture for taking along to work on in a car. It is also good for the older child (and the adult), to keep several writing or drawing projects together and protected from wrinkling. Made of almost indestructible fiberboard, 13.5" x 17.5".

**DA11 \$10.50**

alike. They are shown carefully how to get out the clay, for example, to use each of the tools, to form basic coils and slabs. They are introduced to clay sculptures in museums and books. It is the child who will decide when to work on clay, and exactly what to make.

Just as any *work* in the 3-6 class, each art activity is kept complete and ready for use. If a child is interested in painting for example, he will find an apron, paper, paints and

brushes, all clean and ready.

After watching a seed grow into a plant a child might be inspired to draw, to make leaf rubbings, a clay sculpture of a plant, or to paint the leaf or plant. Building with blocks, visiting a museum, listening to or making music, eating ethnic food, any activity can lead naturally to an artistic creation by the child.



Aside from providing an important avenue for artistic expression, working with clay is grounding and soothing to many children.



### CHILD-SIZE MASTERPIECES

These books were created by a Montessori teacher and artist and have been a staple part of the classroom for many years. A wonderful introduction to art, and marvelous for beginning reading practice.

They "... give children an opportunity to engage in entertaining activity, stimulate their intelligence, sharpen artistic taste and foster cultural knowledge."

In the directions manual, *Child-size Masterpieces*, exact instructions are given for organizing and presenting art postcards to children, from the simple stages of matching identical pictures, to laying out timelines of the development of schools of art through history. Each art postcard book contains 36 postcards, labeled and color coded on the back, ready to be cut out and placed in the correct folder. Directions for making the folders are found in the instruction manual.

For children ages 2-12.

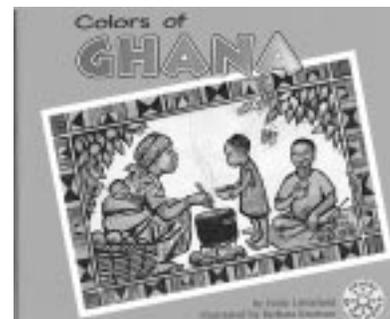
<b>DL70</b> <i>Child-Size Masterpieces</i> (instruction manual)	<b>\$10.95</b>
<b>DL71</b> <i>Easy Matching Postcards</i>	<b>\$10.95</b>
<b>DL72</b> <i>Intermediate Matching</i>	<b>\$10.95</b>
<b>DL73</b> <i>Advanced Matching</i>	<b>\$10.95</b>
<b>DL74</b> <i>Names of Artists</i>	<b>\$10.95</b>
<b>DL75</b> <i>Names of Paintings</i>	<b>\$10.95</b>
<b>DL76</b> <i>Black Images in Art</i>	<b>\$10.95</b>
<b>DL765</b> <i>Masterpieces, Set/7</i>	<b>\$75.00</b>

### AUSTRALIAN ABORIGINAL ART PLAQUES

It is important to provide art and artifacts from all continents, not just Western art, during this age when the child is "absorbing" all of the culture

in the environment. These little plaques are really signed paintings made into child-size, laminated art. They are kept in the "Australia" box for exploring the continent of Australia. They can also be used under a small vase of flowers as the coaster they are intended to be. This set of plaques is made by Ngarra who was "born on Glenroy Station, speaks Kitja, Ngarinytin, and Bush English. He is a senior law man from the Kimberley Region of Western Australia." Size: 4.2" x 3.75", color, cork backing.

**DA300 Set/6 \$18.00**



### COLORS OF THE WORLD BOOKS

We cannot speak too highly of these books that show people from other countries in a beautiful way. The authors manage to capture the beauty and spirit of each culture. For example: *gray like a kangaroo, green like eucalyptus leaves, red like Ayers Rock, white like the Sydney Opera House, and yellow like the traditional paintings of Australia's Aborigines.* In the *Australia* book you will see artists painting designs similar to those on the Art Plaques on this page. Interesting information about the country is given for each color, and a map helps the child find each country on the globe. Softcover, 9" x 7.5", color, 24 pages.

<b>DA350</b> <i>Australia</i>	<b>\$5.95</b>
<b>DA351</b> <i>China</i>	<b>\$5.95</b>
<b>DA354</b> <i>Ghana</i>	<b>\$5.95</b>
<b>DA357</b> <i>Japan</i>	<b>\$5.95</b>
<b>DA358</b> <i>Kenya</i>	<b>\$5.95</b>
<b>DA359</b> <i>Mexico</i>	<b>\$5.95</b>
<b>(*) DA362</b> <i>Colors Set/6</i>	<b>\$35.50</b>

### TO BE AN ARTIST

Art is not something one does occasionally, it is a way of life, and it has been an important part of the balance of life all over the world since the beginning of time. This beautiful, brightly colored picture book gives us encouragement

and ideas, to express and celebrate life in many different art forms—drawing and designing, coloring and painting, making music, singing songs, dancing, writing poems or stories, acting in a play, sculpting, weaving, sewing. "To be an artist means celebrating who you are and how you see the world around you. Anyone can be an artist." From Ecuador, to India, to the United States, children are presented being artists, and there are many different countries represented for each art form. A real treasure. Hardcover, 11" x 9," full color, 30 pages.

**DA065 \$16.95**



**ART APPRECIATION & ART HISTORY**

Reproductions of great masterpieces, as prints, cards, or in books, inspire an appreciation of beauty at any age. We hang the pictures at the child's eye level, and provide art postcards to sort into groups, such as by artist.

Stories about artists, especially as children, are interesting for children.

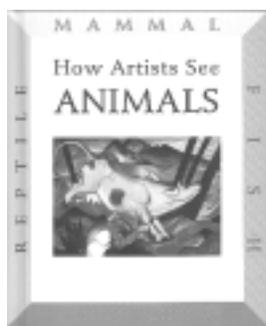
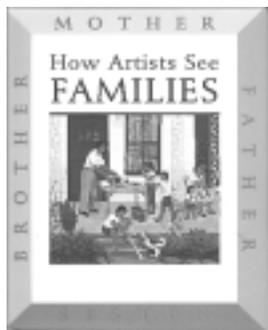
Good art books can engage a child for hours.

At home or in the classroom, we can designate a "museum" table or shelf where beautiful art objects can be placed as a temporary art exhibit. Since everything else in the room is available for handling, this gives practice in just looking, as in a real museum, and allows close exposure to special items and

beautiful objects that the child might not otherwise have.

This also introduces the idea that most "art" objects in museums were used in daily life, soup bowls, jewelry, tools, and other useful and decorative creations.

Whenever possible we give the best examples of art and the best art materials, at the youngest, most impressionable age.



**HOW ARTISTS SEE . . .**

When we take children of this age to an art museum, we pick one topic per visit—water, animals, people, etc.—and search for examples. These books make it possible to do this at home or in the classroom, as there is one subject per book, with beautiful examples from great art. We congratulate the artist, the author, and the publisher on providing the very best books for introducing children to art.

Aside from the excellent choice of subject and the quality of the reproductions, in the back of the book there are short biographies and information on where to find each artist's work. The library binding, at this price, convinces us that these books will run out. Hardcover, library binding, color, 7.5" x 9", 47 pages.

- DA850 *How Artists See Animals* \$12.95
- DA851 *How Artists See Families* \$12.95
- DA852 *How Artists See People* \$12.95
- DA853 *How Artists See Weather* \$12.95
- DA856 *How Artists See Play* \$12.95
- DA862 *How Artists See, Set/5* \$64.00

**CAN YOU FIND IT?**

Even an adult will enjoy hours investigating each painting, looking for the elements. For example in a painting from ancient Egypt, we are asked to find 2 cats, 6 lotus blossoms, 3 eye amulets, 3 earrings, 8 thumbs, 1 grapevine, 2 leopard paws, 10 water signs.

This book was published by the Metropolitan Museum of Art to introduce children to 19 paintings and the stories each artist told. Examples are as varied as Persian miniatures, a scene in China, and a contemporary painting of San Francisco. Information on each piece of art, with searches answers are in the back. Hardcover, color, 10" x 10", 48 pages.

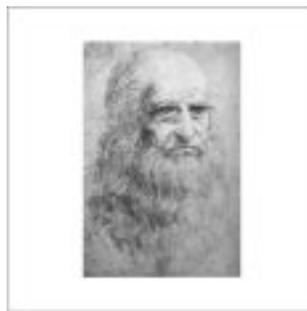
DA170 \$15.95



**ART AND ARTIST PICTURE SETS**

Here are two sets of ten 11" x 11" art pictures printed on heavy cardstock in full color. The first set contains the self-portrait of 10 artists, with interesting information on the back. The second contains 10 works of art of these artists. We recommend using two of the *wooden Frames* on page 91 that were made for these picture sets, and hanging them, matching the artist and the self-portrait, in the art area.

- DA275 Artists \$23.00
- DA280 Art \$23.00



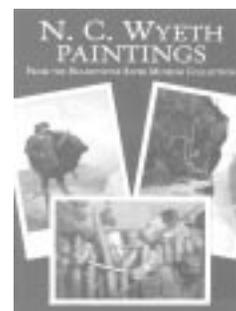
**ART POSTCARDS OF INDIVIDUAL ARTISTS**

Under the age of six children delight in increasing their vocabulary by learning the names of paintings, and in the process they learn to recognize the styles of artists, and prepare for advanced art history work with timelines in the elementary class.

During my 3-6 Montessori training in London I scoured the museums for postcards of the work of individual artists. Now teachers can purchase them all collected in a book, ready to cut out and put in folders. Each postcard book contains 24 full-color postcards. On the back of each 6" x 4.25" card is the name of the artist, the work, and the size of the original.

- DA901 Cassatt - 24 cards \$5.95
- DA902 Degas - 24 " \$5.95
- DA903 Gauguin - 24 cards \$5.95
- DA905 Monet - 24 cards \$5.95
- DA907 Picasso - 24 cards \$6.95
- DA908 Renoir - 24 cards \$5.95
- DA910 Winslow Homer - 24 \$6.95
- DA911 N. C. Wyeth - 24 cards \$6.95
- (\* DA919 Art Postcards Set/8 \$50.50

**NOTE: These postcards are compatible with the art appreciation set Child-size Masterpieces, page 51.**



## LANGUAGE

*It was very hard for me to learn how to read. It did not seem logical for the letter 'm' to be called 'em,' and yet with some vowel following it you did not say 'ema' but 'ma.' It was impossible for me to read that way. At last, when I went to the Montessori school, the teacher did not teach me the names of the consonants but their sounds. In this way I could read the first book I found in a dusty chest in the storeroom of the house. It was tattered and incomplete, but it involved me in so intense a way that Sara's fiance had a terrifying premonition as he walked by: "Damn! This kid's going to be a writer."*

—**Gabriel García Márquez**

Nobel Prize recipient for Literature

The main influence on the development of a child's spoken and written language is family. The adult should speak clearly and precisely to the child. Reading aloud gives the message that reading is fun, and introduces



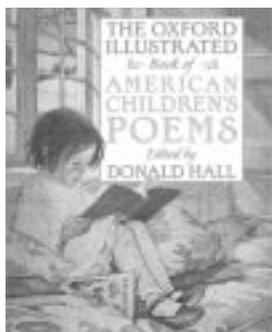
Children read earlier in Montessori classes because they are not required to read aloud, but silently, to themselves.

concepts and vocabulary that would not usually come up in spoken language.

Reading and writing should not be taught to a child before age six or seven, but, given the sensorial experiences of appropriate materials a child of normal intelligence will quite naturally teach herself to read and write sometimes as early as three or four years of age. Here is a quote from Dr. Montessori about her experience in the first Casa dei Bambini, "house of children," in Rome in the beginning of this century:

*Ours was a house for children, rather than a real school. We had prepared a place for children where a diffused culture could be assimilated from the environment, without any need for direct instruction . . . Yet these children learned to read and write before they were five, and no one had given*

## AMERICAN CHILDREN'S POEMS



A MUST HAVE, beautifully illustrated anthology of 81 poems representing American literature, history, and culture. Poets include Emily Dickinson, Robert Frost, Carl Sandburg, T.S. Eliot, James Whitcomb Riley, Eugene Field, Ogden Nash, Langston Hughes, Dr. Seuss, John Ciardi, Shel Silverstein, and Janet Wong. Hardcover, 8.25" x 10.25", color, 90 pages.

**DL237 \$25.00**

## HAIRY MACLARY &amp; SLINKY MALINKI

These wonderful books began to be published in New Zealand almost 20 years ago and are finally available in the USA! The characters draw the children into the story and expose them to a wealth of excellent vocabulary and rhyme. They were introduced to us by two Montessori teacher trainers who lecture in language for children. Softcover, 9" x 6.75", color, 32 pages.

- (\* **DL260 Hairy Maclary from Donaldson's Dairy \$5.95**
- (\* **DL261 Hairy Maclary Scattercat \$5.95**
- (\* **DL262 Slinky Malinki \$5.95**



**NOTE:** Many language items for 3-6 are found in *Michael Olaf's Joyful child, for Birth to Three*. See page 99 for information.



## FAVORITE AGE 3-6 STORY CD'S

Have you ever noticed that the young child wants to hear the same story over and over again with no changes? This is an important step in learning language. Please do not stop reading to your child, but these CD's by Jim Weiss provide a wonderful way for them to choose the story and repeat and repeat and repeat—and to learn to create pictures in the mind! *Animal Tales*: stories from Grimm, Aesop, Chaucer, etc. *Tell Me a Story*: classics such as Goldilocks, Little Red Hen, Rumpelstiltskin. *Uncle Wiggly's Storybook*: the kindhearted, resourceful rabbit gentleman who has pleased generations of young readers.

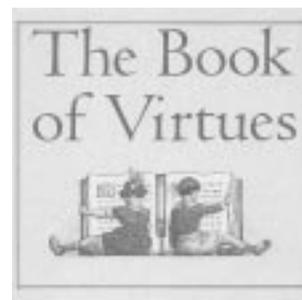
- |                                       |                |
|---------------------------------------|----------------|
| <b>EL720 Animal Tales</b>             | <b>\$14.95</b> |
| <b>EL721 Tell Me a Story</b>          | <b>\$14.95</b> |
| <b>EL722 Uncle Wiggly's Storybook</b> | <b>\$14.95</b> |
| <b>EL725 Favorite 3-6 Story Set/3</b> | <b>\$44.00</b> |

## THE BOOK OF VIRTUES—A TREASURY OF GREAT MORAL STORIES

The traditional old-favorite stories which teach the morals we really want for our children, including The Tortoise and the Hare, The Little Steam Engine (remember *I think I can!*?), The Selfish Giant, The Boy Who Cried Wolf, Little Red Hen, and The Velveteen Rabbit. There are hundreds more. If you only have one reading book in the home or classroom, we recommend this one—the selections are interesting not only to the young child, but teenagers and adults.

Hardcover, 9.5" x 6.75", 831 pages.

**EL91 \$30.00**



them any lessons. At that time it seemed miraculous that children of four and a half should be able to write, and that they should have learned without the feeling of having been taught.

We puzzled over it for a long time. Only after repeated experiments did we conclude with certainty that all children are endowed with this capacity to absorb culture. If this be true—we then argued—if culture can be acquired without effort, let us provide the children with other elements of culture. And then we saw them 'absorb' far more than reading and writing: botany, zoology,

mathematics, geography, and all with the same ease, spontaneously and without getting tired.

And so we discovered that education is not something which the teacher does, but that it is a natural process which develops spontaneously in the human being. It is not acquired by listening to words, but in virtue of experiences in which the child acts on his environment. The teacher's task is not to talk, but to prepare and arrange a series of motives for cultural activity in a special environment made for the child.

My experiments, conducted in many different countries, have now been going on for forty years (ed. Now ninety-plus years), and as the children grew up parents kept asking me to extend my methods

to the later ages. We then found that individual activity is the one factor that stimulates and produces development, and that this is not more true for the little ones of preschool age than it is for the junior, middle and upper school children.

- Maria Montessori  
from *The Absorbent Mind*

For success in language a child needs confidence that what she has to say is important, a desire to relate to others, real experience on which language is based, and the physical abilities necessary in reading and writing. There are several things that we can do to help.

We can *listen* attentively and with eye contact, and *speak* to the child in a respectful tone. We can provide a stimulating environment, rich in sensorial experiences and in language—language



Sandpaper letters from a school in Thailand!



**STOREFRONT BINGO**

Along with teaching the child the vocabulary of the home, comes the vocabulary of the neighborhood. This fun game will be a simple matching exercise at first, and eventually a bingo game as the child learns to name items from the

shop, bakery, toy store and hat shop. Contains: six 10" x 7" storefront cards, 48 product tiles, a drawstring bag holding the tiles, and complete instructions.

(\*) DL870

\$14.50



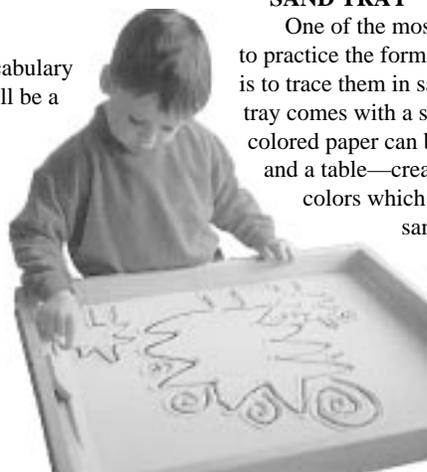
**2-PART LANGUAGE TRAY**

A favorite activity in the 3-6 class is the use of 3-part language cards. The pictures with the label are kept in one side of this tray. And the pictures without labels, and the labels themselves, kept in the other. The teacher selects a different set each week to highlight the language of the different areas of the classroom.

This beautiful wood tray is used for all of these language exercises and other activities as well. There is a handle at each end for a firm grasp. The tray is hand made of hardwood, and finished to the highest standards. 11.75" x 7."

PE07

\$26.00



**SAND TRAY**

One of the most traditional ways for a child to practice the formation of letters and numbers is to trace them in sand. This solid beechwood tray comes with a security-glass base so that colored paper can be placed between the base and a table—creating a surprise color or colors which shows through the white sand as the child makes letters or pictures. The tray is 25.5" x 19.5" x 2" and comes with 3 pounds of fine, white sand, and three wooden pattern tools for artistic exploration.

DL010

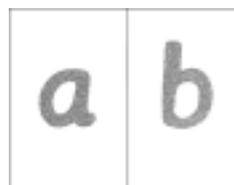
\$150.00

**SANDPAPER LETTER TEMPLATES**

These are NOT sandpaper letters, but a set of cardstock templates with directions for making your own. The letters printed on these templates are exactly the size and style used in Montessori training centers—Italics preferred by many teachers because: (1) it teaches the graceful "flow" of the hand which prepares the child for beautiful handwriting. (2) there is no confusion between letters such as "d" and "b" because the letters are distinct from each other, and (3) being halfway between print and cursive, Italics prepares the child to read both. The kit consists of twenty-six 8.5" x 5.5" pieces of white cardstock, each with one printed letter, and instructions for creating sandpaper letters.

DL660

\$14.00



**ALPHABET MAGNETS**

**big?**

This is a very pleasant alternative to the old brightly colored plastic magnets made for refrigerators. Instead of tiny magnets inserted in the back, these letters are made of foam, completely backed with sheet magnet. We especially like the colors which are in soft shades - pink, green, blue, and yellow. There are 70 lowercase letters—which are much better for learning than capital letters, and hard to find—and also periods, capital letters and commas. Between 1.5" and 2.25" tall.

DL123

\$13.50

is meaningless if it is not based on experience. We can set an example and model precise language in our everyday activities with the child. If we share good literature, in the form of rhymes, songs, poetry and stories we will greatly increase the child's love of language.

### LANGUAGE OF THE CHILD'S WORLD

The most important first vocabulary is of objects in the home environment—clothing, kitchen objects, tools, toys, and so forth. Your child will be thrilled to know the names and to be able to use them correctly. All we need to do is to use the correct names, and the precise language for objects and activities, in the presence of the child. Eventually, as she joins us more in conversation, the words of the child's environment will be there.

### EXPERIENCE FIRST

In any good language environment, in as many situations as possible, the teacher makes sure that experience precedes vocabulary and pictures of objects. She will introduce real vegetables before vegetable cards, real actions before verb cards, real music before composer picture and labels, real shells before shell cards, and so on. At home parents can do the same thing—show the kitchen objects, the office or bathroom objects, and then give the opportunity to handle these objects and to learn the names. In this way the child learns that language is connected to the real world.

### VOCABULARY CARDS—SPEAKING

If you ever visit a Montessori classroom you will notice that there are many vocabulary books and cards. It is natural that, during this intense interest in words, children be given pictures of everything—to practice and improve their new abilities. These books and cards are valuable for the home. There are many materials in *The Joyful Child, Essential Montessori for 0-3* appropriate for this age. For information on this publication, see page 99.

### THE VOCABULARY OF THE WIDER ENVIRONMENT

A rich and enjoyable vocabulary, and an interesting introduction to the structure of English, is available through poems, finger plays, songs, fables, stories, and even great literature. There is only so much time in a



### FIRST ALPHABET PUZZLE

This puzzle provides an excellent way for the child to learn the order of the letters of the alphabet—while enjoying the challenge of putting together a puzzle. It can also be used for making simple words as the child explores sounds and symbols of our letters. When teaching the names of the letters with this puzzle, be sure to use only the sounds, not the traditional names. This simplicity makes learning written language logical and not such a chore. All wood, brightly colored letters, 23" x 15".

DL860

\$59.00

### ALPHABET MAGNET SET

When the child is exploring letters, he might want first to sort them, "t's" together, tall and short letters grouped, or even to try to make up words and sentences. These little magnets can be put on the refrigerator, or the board and the magnets can be used together. This is excellent for a travel game. There are 99 lower case and 26 upper case magnetic alphabet tiles, 7 blank tiles, and a 9" x 12" magnetic board.

DL12

\$13.00

### ALPHABET PUZZLE - LOWER & UPPER CASE LETTERS

It is best to wait until the child is well underway with reading and writing, using only lower case letters and the *sounds* of letters, before expecting him to learn the capital letters and the *names* of letters. With this puzzle

the child can begin to absorb the relationship between lower case letters and capitals easily. There are pictures beneath each letter for "sounding out" practice. The colors of each pair of letters matches so the child can also use this as a matching puzzle outside the puzzle frame. The wooden puzzle is 12" x 18", and the letters are red, blue, yellow, and green.

DL485

\$16.00

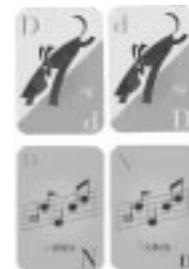


### ABC - abc GAME

In the classroom the child will match the pairs of cards by the picture, and in the process learn which lower case letters belong to which capital letter.

In the home the family can play a traditional game, instructions included, by drawing cards and making pairs. The art is stylized, in lovely colors, the cards 2.75" x 4".

(\*) DL560



\$10.00

day for reading to children so we should make the best of these times by providing the best in literature and nonfiction that we can find.

Even in these early years, we give the language as we present the objects and activities which lay the foundation for many future academic studies. As you look through the pages of *Child of the World* you will find many opportunities for enriching experience and vocabulary. Give the correct names for the toys a child plays with, the colors and shapes of blocks, the parts of a broom or mop, activities such as *wash, sweep, pound, pour*; adjectives such as *hot and cold, loud and soft*; in the Earth section the names of the planets, rocks and continents, or the parts of the electric circuit; in the Plant and Animal sections

the names of flowers, the fruits and vegetables of the home, the colors of leaves in the fall, shells, fossils, animals of all kinds, and dinosaur models; in the People section the names of flags, famous people, countries and states; in the Music and Art sections the names of musical instruments of the world, famous paintings, artists and musicians; and in the math section plane and solid shapes, counting systems in several languages, measurement terms. And this is just the beginning. Look around your own home and classroom for the elements that make your particular environments unique, and find the objects, activities, and vocabulary that you can share with children.

**PRE-READING AND WRITING**

There are three main areas where we can help children prepare for reading and writing. When the ground is well prepared over the years before reading and writing is attempted, acquiring these skills is very enjoyable.

(1) Physical skills—balance, using the hands, coordination of eye-hand work, learning to concentrate and focus, recognizing sizes and shapes, working with knobbed puzzles, crayons and pencils, and practice in speaking.

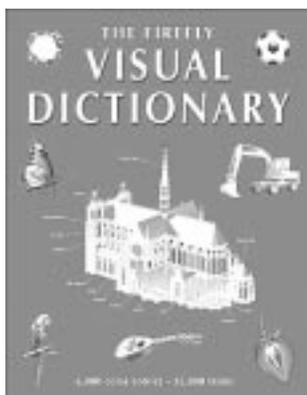
(2) Mental skills—absorbing and using language, learning the "sounds" that each letter makes (not the 'names' of the letter) and playing games to break up words into sounds—the "I spy" game.

(3) Social—living in homes where people talk at the table, sit down and have

**THE FIREFLY VISUAL DICTIONARY**

This is the best vocabulary book in print today. It weighs 7 pounds and will be the delight of every beginning reader. It is also commonly used as a reference book in the 6-12 class.

We recommend a special place where it can be kept open and at child's reading height to inspire constant exploration! And any child who carries it to a table for research will be convinced that this is *important* work. There are 6,000 color entries, 35,000 terms, each one indexed (the index alone is 31 pages). Contents: astronomy, earth, vegetable and animal kingdoms, human being, food and kitchen (see "herbs" illustration on this page), house, do-it-yourself and gardening, clothing, personal adornment, arts and architecture, transport and machinery, energy, science, society, sports and games. Hardcover, 9" x 11", color, 952 pages.



**DL140 \$49.95**



**HOME & TOWN VOCABULARY CARDS**

These beautiful "first" vocabulary cards are printed in full color, laminated, the corners rounded, and they will last for years. First teach the child the names of these objects with REAL OBJECTS, then using the unlabeled cards as flashcards to practice and solidify the vocabulary. When the child begins to read single words she can read the label, match it to the picture, and then check her own work with the labeled cards. This makes it possible for a child to practice reading at anytime, without help, and is far more valuable than having a child read aloud.

There are 12 unlabeled pictures in each set, 12 labels, and 12 labeled pictures for checking work. 36 pieces in all per set. The labeled cards are 3.75" x 4.24". All cards are laminated, the corners rounded.

- DL370 Around Town Cards \$19.95**
- DL372 Around the House Cards \$19.95**
- DL374 Transportation Cards \$19.95**

**HOME AND TOWN CARDS IN SPANISH & FRENCH**

These same cards and the tools cards on page 6, are available in Spanish and French. Even if children aren't learning these languages they will be interested in comparing the exact cards to see the names in English, Spanish, and French. Note: our foreign language CD's of songs and conversation can be found in *The Joyful Child*. See page 99 of *Child of the World* for information.

- (\*) DL420 Around Town, Spanish \$19.95**
- (\*) DL421 Around the House, Spanish \$19.95**
- (\*) DL422 Transportation, Spanish \$19.95**
- (\*) DL423 Tools, Spanish \$19.95**
- (\*) DL430 Around Town, French \$19.95**
- (\*) DL431 Around the House, French \$19.95**
- (\*) DL432 Transportation, French \$19.95**
- (\*) DL433 Tools, French \$19.95**



conversations, and read, instead of watching television or "learning language" on a computer.

**THE I SPY GAME**

When a child knows the names of objects in pictures, introduce the *I Spy Game*. Pick up an object, a ball. Say "I spy something in my hand that begins with *b*." (make the short *b* sound, not the sound of the name of the letter *bee*)." Do this with several objects, maybe the same ones for weeks. Eventually you can use pictures for this game as well.

Later go on to sound out the ending sound "Something that begins with *p* and ends with *n*" (*pen*), and finally the whole word "Please hand me the "*p-e-n-s-l*" (*pencil*).

This is similar to spelling, but we say

isolated sounds, not letters. *Lamb* would be sounded out as *l-a-m*. This is not spelling or reading, but a vital and enjoyable exploration of sounds of language. You will be amazed at the ability of a child to later decode words when he has had this preparation.

**READING AND WRITING**

Children should never be forced to read silently or aloud, or to write, at a young age. But the tools for these skills, when offered and their use shown, prepare and inspire many. This is the *sensitive period* in a child's life for knowing the names of everything, including the sounds of letters, and for touching and feeling. So we offer letters made of sandpaper to trace with their fingers while saying the sound.

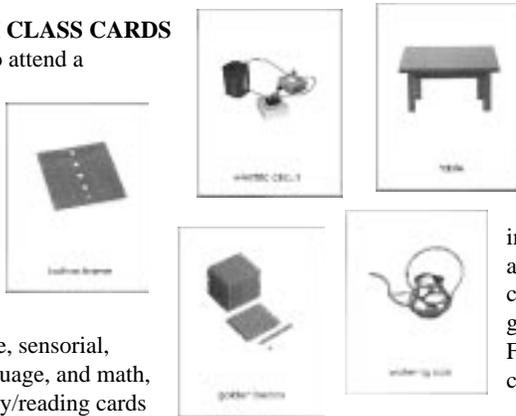
To meet the child's need to touch and feel, and to learn the names of objects in the environment, we use sandpaper letters. The child feels and says the sound, repeating many times. The traditional sandpaper letters used in the 3-6 class are very sturdy and expensive, but it is possible to make some at home, or for the child to trace letters in corn meal or sand. Since 99% of written language is in lower case letters, you will be doing the child a favor to begin with these ("a" and "b," not "A" and "B"), and with the sounds instead of the names of the letters. Introducing capital letters first puts off both reading and writing.

For those who were not physically ready to hold a pencil and write, but who were mentally ready, Dr. Montessori prepared cutout movable letters for their

**MONTESSORI CLASS CARDS**

For children who attend a

Montessori 3-6 class, knowing this vocabulary is very helpful. We have created a selection of a broad range of items found in the typical Montessori 3-6 classroom, including practical life, sensorial, cultural subjects, language, and math, and created vocabulary/reading cards for them. If you wish to make 3-part card sets, please order two of each. Each set contains 22-24 different black and white pictures, with the name written in lower case letters at the bottom. The pictures and names are printed on 4" x 5.5" cardstock.



- DL680 Montessori Cards I, Set/24 \$6.50
- DL684 Montessori Cards II, Set/24 \$6.50

**BOOKS TO REMEMBER**

These special books were developed by a Montessori teacher who was not able to find stories about real events, with beautiful illustrations, that beginning readers could actually read—so she wrote them and found the artists to illustrate her stories. We read and test all of these books and the selection below was chosen by children.

Each book sticks to the phonetic sounds of the alphabet and introduces a few puzzle words (such as "I" and "she") that can be taught ahead of time, and gives repetition to one new blend such as "er". The children love the fact that they can read real books and adults value the guide for using the books that is found in the back of each. Note: Frank the Fish is a child's first read-it-yourself chapter book! Softcover, 9" x 7.5", color, 28 pages.

**LEVEL ONE:**

- (\*) DL510 **Sunset Pond** \$8.95
- (\*) DL512 **Jen's Best Gift Ever** \$8.95
- (\*) DL514 **Meg & Jim's Sled Trip** \$8.95
- (\*) DL516 **It is Halloween** \$8.95
- (\*) DL520 **Level One/4 books** \$35.50

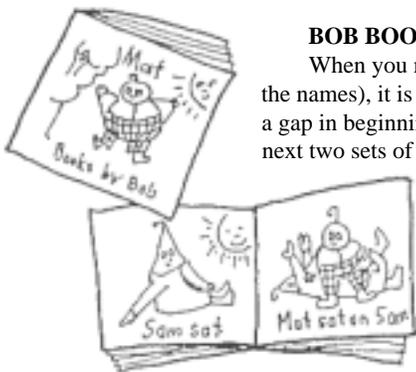
**LEVEL TWO:**

- (\*) DL540 **Frank the Fish** \$8.95
- (\*) DL542 **Mr. Sanches....Kick Ball** \$8.95
- (\*) DL544 **My Summer Camping Trip** \$8.95
- (\*) DL546 **A Sled Dog Morning** \$8.95
- (\*) DL550 **Level Two/4 books** \$35.50



**BOB BOOKS**

When you notice that a child is starting to sound out words on her own and has learned many of the letter sounds (not the names), it is time to introduce these wonderful books. They were drawn and written by a teacher for the students to fill a gap in beginning reading books. The first set of twelve books contains simple, short, mostly phonetic words, and the next two sets of eight books progress to include more words per page and a few non-phonetic words. The stories are about nonsensical imaginary figures who interact in delightful ways. The progression is arranged to provide success for the child, and the satisfaction of finishing a whole book! The drawings are simple figures, funny enough to interest an older beginning reader. Softcover, 4.5" x 5.5", three boxes of booklets.



- DL19 **Box 1 (12 Books)** \$16.95
- DL20 **Box 2 (8 Books)** \$16.95
- DL21 **Box 3 (8 Books)** \$16.95
- DL22 **Complete set** \$48.00

work. Similar *movable alphabets* are still used in schools today.

Children often spontaneously "explode" into writing, not with correct spelling, but with great joy and enthusiasm, several months before reading. It is very important the child's first "writing" is from her own head, and not from objects and pictures. Ask questions like "What did you have for breakfast?" or "What did you see on the way to school?" to inspire creative writing from the very beginning.

### VOCABULARY CARDS—READING

When a child first begins to recognize the sounds of letters in groups—words—he is doing this silently in his head. Saying these words aloud complicates the process, especially if

someone is listening. So a child is NEVER asked to READ ALOUD in the Montessori class.

To provide practice with this new, exciting single-word skill, give the child pictures and labels for objects for which he already knows the names. He reads each label and matches it to the picture. Then, if the names of the objects have been written on the back of the picture cards, the child can turn the pictures over to see if he has placed the labels correctly. Children love reading and checking their own work and will repeat over and over again till they get it exactly right. Hundreds of meaningful words can be added to the child's reading vocabulary in this way.

Just as with giving spoken vocabulary, the most important words to

give the child when beginning to read are the labels of the common objects in the home or classroom.

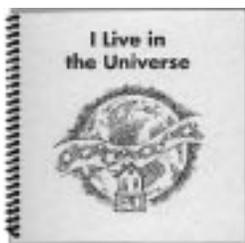
### READING BOOKS

Just as the child has been taught the names of vocabulary card images before being asked to read them (silently) the first early readers should have been read to the child, by an adult or older child, many times before he is expected to read them (silently) for himself.

Above all, this work must be offered in a spirit of enjoyment and not imposed. Adults really have to forget the tedious process they might have gone through to learn to read, and to approach it in a spirit of fun and ease.

### PEACE READERS

This is a set of charming and important early reading books—to read to the child—and later for the child to read. The drawings are simple hand-drawn figures and the subjects are important.



The titles are: *I Live in the Universe*; *I Look "Out" at the Stars*; *I Know What Gravity Does*; *Pledge to the Earth*; *I Offer You Peace*. Printed in black ink on five different earth tone colors of cardstock, 5.5" x 5.5", a set of 5 books.

**DL070 Set/5 \$30.00**

### FIRST READERS

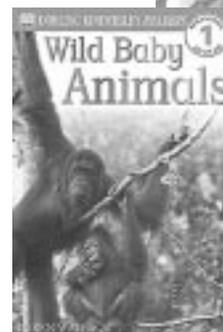
Here are two levels of very interesting nonfiction early readers that children love. The *pre-level* readers have labels just like the vocabulary cards the child are used to and one sentence per page. *Level 1* readers has several sentences per page describing clear illustrations. Softcover, 6" x 9", color, 32 pages.

#### PRE-LEVEL 1

<b>DL300</b> <i>Farm Animals</i>	<b>\$4.00</b>
<b>DL302</b> <i>Garden Friends</i>	<b>\$4.00</b>
<b>DL304</b> <i>Fishy Tales</i>	<b>\$4.00</b>
<b>DL310</b> <i>Prelevel Set/3</i>	<b>\$11.95</b>

#### LEVEL 1

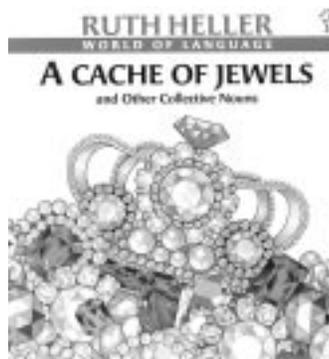
<b>DL320</b> <i>A Day at Greenhill Farm</i>	<b>\$4.00</b>
<b>DL322</b> <i>Wild Baby Animals</i>	<b>\$4.00</b>
<b>DL324</b> <i>A Day at Seagull Beach</i>	<b>\$4.00</b>
<b>DL326</b> <i>Busy buzzy bee</i>	<b>\$4.00</b>
<b>DL328</b> <i>Born to a Butterfly</i>	<b>\$4.00</b>
<b>DL330</b> <i>Tale of a Tadpole</i>	<b>\$4.00</b>
<b>DL335</b> <i>Level 1, Set/6</i>	<b>\$23.90</b>



### GRAMMAR BOOKS

This set of books provides a simple, colorful, fun way to be introduced to an important subject—grammar. In these amazing first *grammar books*, nouns, verbs, and other parts of speech are presented with simple rhyme and beautiful pictures. Before age six children will naturally begin to abstract the concept and use, for example of the *noun*, and to begin to explore language, a natural interest at this age. Older children (and adults) find that these books simplify concepts that may have seemed complicated at school. Use these books for review and lessons for older children. Softcover, 9" x 9", color, 48 pages.

<b>DL81</b> (collective nouns) <i>Cache of Jewels</i>	<b>\$8.00</b>
<b>DL83</b> (adjectives) <i>Luscious Lollipops</i>	<b>\$8.00</b>
<b>DL85</b> (adverbs) <i>Up, Up, and Away</i>	<b>\$8.00</b>
<b>DL851</b> (prepositions) <i>Behind the Mask</i>	<b>\$8.00</b>
<b>DL852</b> (pronouns) <i>Mine, All Mine</i>	<b>\$7.00</b>
<b>DL853</b> (interjections/conjunctions) <i>Fantastic! Wow! Unreal!</i>	<b>\$7.00</b>
<b>DL82</b> (verbs) <i>Kites Sail High</i>	<b>\$8.00</b>
<b>DL84</b> (nouns) <i>Merry-go-round</i>	<b>\$8.00</b>
<b>DL857</b> <i>Grammar Books, Set/8</i>	<b>\$61.00</b>



**NOTE:**  
See page 17 for The Farm, used in Montessori 3-6 grammar games.

**GEOMETRY & MATH**

*If men had used only speech to communicate their thought, if their wisdom had been expressed in words alone, no traces would remain of past generations. It is thanks to the hand, the companion of the mind, that civilization has arisen. The hand has been the organ of this great gift that we inherit.*

—Dr. Maria Montessori

**ENJOYMENT**

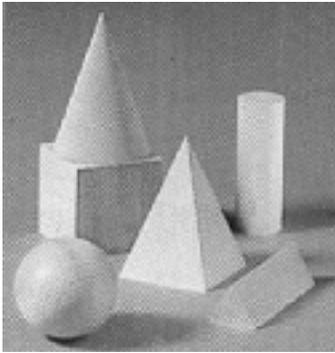
I do not know when geometry and mathematics became a study I dreaded, but I know when I started enjoying it. My father loved math and enjoyed explaining the operation of the slide rule to me. He wanted very much to have someone in the family who shared this passion; there was no one. In school math was required, the multiplication tables were essential and painful, and some teachers hated teaching math as much as some students hated learning it.

Then, during my Montessori 3-6 training, I observed school where children chose math

over everything else and worked on it for hours and hours, and where teachers loved teaching it! Later, in teaching Montessori 6-12 classes I saw the same thing with square root, cubing, and every kind of math and science. I learned, not to hide my prejudices, but to find the enjoyment in every subject. Only then could I hope to pass on a true love of learning to my students.

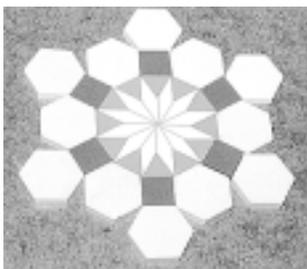
**EXPERIENCE FIRST**

The concepts of math and geometry as symbols on paper make sense after

**GEOMETRIC SOLIDS**

These solid hardwood figures, casually combined with block play in the home, give a child a chance to explore properties and learn the names of common geometric solids. They are similar to those used in the Montessori 3-6 class where children explore the flat and curved surfaces, the bases, the similar shapes they might find in the environment, and finally, learn the correct names. There are six pieces: pyramid, cylinder, cube, sphere, triangular prism, and cone. The cone is 3" tall.

**DV040 \$13.00**

**GEOMETRY BLOCKS**

In our home we once had these on the dining room table for weeks. Everyone who came in to the house, children and adults alike, sat down and started making designs, some vertical and some horizontal. This is a wonderful exploration of the geometric patterns that can be made with different shapes. There are 150 smooth wooden pieces: yellow hexagons, orange squares, green triangles, red trapezoids, blue parallelograms, and natural wood rhombi.

**DV080 \$22.00**

**MAGNETIC GEOMETRY BOARD**

The wood and metal magnet board is placed in a slanted position resting on two legs. The colorful wooden magnet pieces contain such geometric shapes as: curves, line, triangle, parallelogram, squares, half-circles, giving the child a fun experience in arranging geometric figures. The board can also be used for the alphabet magnets (page 54) and the animal magnets (page 36) or any other magnets. Pictures to copy to get started are included. The board is 18.5" x 13", framed in natural wood.

**DV425 \$55.00**

**CUBES, CONES, CYLINDERS, & SPHERES**

These shapes are the stuff of everyday life, and the best way to introduce children to them is to bring an awareness to the child of the solid shapes in his or her own environment: blocks, traffic cones, bubbles, drums, game dice, baseballs, and rolled bales of hay. A picture book of 21 pages, with clear colored pictures and no words. A gem of an inspiration for conversation and observation. Hardcover, 10" x 8.4", color.

**DV410 \$16.00**





Geometry toys inspire spontaneous artistic expression.

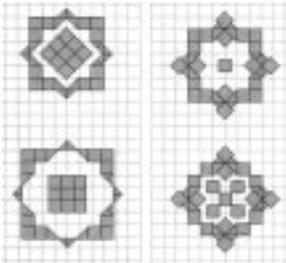
sensorial experience. Removed from real objects these studies become dry and meaningless. Children naturally have an interest in all aspects of mathematics, weight, order, systems, series, time, quantities and symbols, and so forth. We can serve the development of the mathematical mind by feeding this interest, giving sensorial experiences first, and only then their representatives on paper.

Sometimes people think there is something magic about sensorial math materials. Yes, the materials are certainly ingenious, but the real value of manipulatives

is that they support the natural love of math concepts and activities that occurs early in life. These activities include: counting, sorting, classifying objects, experiences with series of sizes and colors, weighing and measuring, carrying out housework such as dish washing, with many sequential, logical steps—these are activities that nourish the mathematical mind.

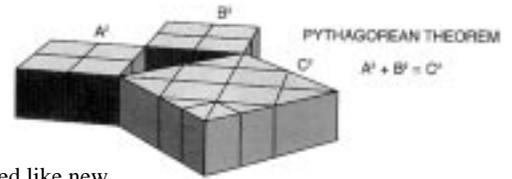
### MANIPULATIVE MATERIALS

When the first *Casa dei Bambini* in Rome was opened in the beginning of the 20th century the children were not taught math until they asked if they could study it. It was when the 3-6



### FROEBEL GIFTS 2-6, THE CLASSIC SET

We first saw this lovely wooden set in the playroom of the Frank Lloyd Wright home and studio in Oak Park, Illinois. He attributes much of his success as an architect to this early fascination. In 1832, Friedrich Froebel ("froy'bel") invented *kindergarten*—a garden for children where they should be nurtured like new sprouts. These teaching materials are basic geometric forms, which act as symbolic building blocks of the universe, carefully chosen to allow children to discover properties of geometry and design through play. Piet Mondrian, Wassily Kandinsky, and Buckminster Fuller also used this system.



"Gifts" (as Froebel called them) 2-6 are known as the *building gifts*. They are made from hard maple, each gift introducing a new shape and a host of new mathematical and architectural possibilities. Age 3 and up. Each of the gifts 2-6 comes in its own finely-crafted, slide-top box. An instructional booklet—for simple designs to math concepts—is included.

DV070

\$190.00



### COLORFORMS

This was one of my favorite toys when I was a child. Not only could I create beautiful designs on the pages, but I could continually change my designs, and when finished, leave them just where they are in the book. It was like making an art book all by myself.

For years we have watched art-geometry exploration toys come and go and we keep going back to this simple one. Why? It is easy to use, elegant in design, and obviously, since it has lasted 50 years, enjoyable. It consists of two

12" x 14" shiny cardboard design boards, one black and one white. There is a book of the same size, ring bound, with 5 pages of vinyl, one each

of the following colors: red, white, yellow, green, and blue. Each has 70 pull-off geometric shapes for the child to make designs on the playboards. The shapes can be sorted back to the storage pages. Good for the house, school, and while traveling.

DV579

\$32.00



### TANGOES

Based on a 4,000-year-old Chinese puzzle, there are hundreds of designs which can be made from these seven pieces. Game cards are inspiring and develop problem-solving and thinking skills, but children can also explore geometry and make up their own. 27 cards, seven tangram pieces, packed in a 6.5" x 3" plastic case, excellent as a take-along, travel game. Age 5+

DV511

\$12.00

children asked to use the math materials from the elementary classes and were more successful at learning these concepts (!) that math began to be an important part of *Children's Houses* for children from the age of three to six.

Many people misunderstand, at first, what it means to learn math at this age. They remember how they learned the multiplication tables for example—tedious and boring, hours of painful repetition that was certainly not the first choice of activities.

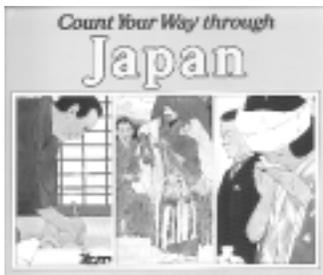
In the 3-6 class, children love to

learn the quantities and symbols for numbers in the thousands. They often learn addition, subtraction, multiplication and division with the decimal system and with fractions, simultaneously.

None of this work is required of the children, but it is offered, presented with manipulative materials to one child at a time—by the adult and sometimes another child. There are no teachers lecturing to a group of children who are required to sit still and listen. The children choose this work, and repeat

each step with joy and enthusiasm until they are ready to move to the next step.

Certainly not every child masters or even works with every piece of math material in the 3-6 class. The main point is that an enjoyable and interesting introduction to all of the areas of geometry and math are present in the environment. The child is introduced to each activity as she is ready, and given the choice of whether or not to continue to work with it. In the meantime, she is surrounded by other children joyfully exploring math.



### COUNT YOUR WAY AROUND THE WORLD

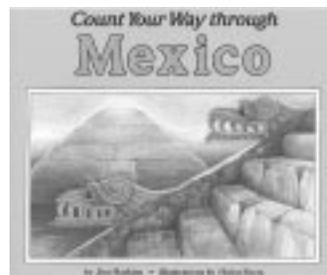
These books are a staple in 3-6 Montessori classes because they combine math with culture. Each book gives a well thought out and beautifully illustrated introduction to one country, an introduction to the art, history, geography, math and traditions of the world. Each page presents one number, the pronunciation, and a picture of the cultural objects to be counted. Softcover, 7.5" x 9", color, 24 pages.

DV24	<i>France</i> (French)	\$5.95
DV12	<i>Africa</i> (Swahili)	\$5.95
DV15	<i>China</i> (Chinese)	\$5.95
DV17	<i>India</i> (Hindi)	\$5.95
DV20	<i>Japan</i> (Japanese)	\$5.95
DV22	<i>Mexico</i> (Spanish)	\$5.95
DV13	<i>Arab World</i> (Arabic)	\$5.95
DV110	<i>Brazil</i> (Portuguese)	\$5.95
DV111	<i>Greece</i> (Greek)	\$5.95
DV18	<i>Israel</i> (Hebrew)	\$5.95
DV23	<i>Russia</i> (Russian)	\$5.95
DV226	<i>Count Your Way, Set/11</i>	\$64.00

### MULTIPLICATION CD

One of the many ways children learn is through the use of what is known as the *musical intelligence*. For this learning style, and for children who just want to sing fun songs with a variety of musical styles, the old-fashioned method of singing the multiplication tables works very well.

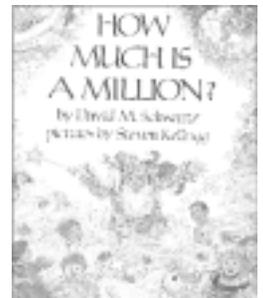
DV622 \$14.00



### HOW MUCH IS A MILLION?

A fun and awe-inspiring book which really gives us the idea of how large numbers are—a million is much different from a ten, even though they look similar written on a piece of paper. There are excellent, demonstrative and outrageous examples, with drawings that really make the point, such as: "a goldfish bowl big enough for a million goldfish would be large enough to hold a whale." The calculations are explained in the back of the book for the adult or older child. Softcover, 8.5" x 11", color, 36 pages.

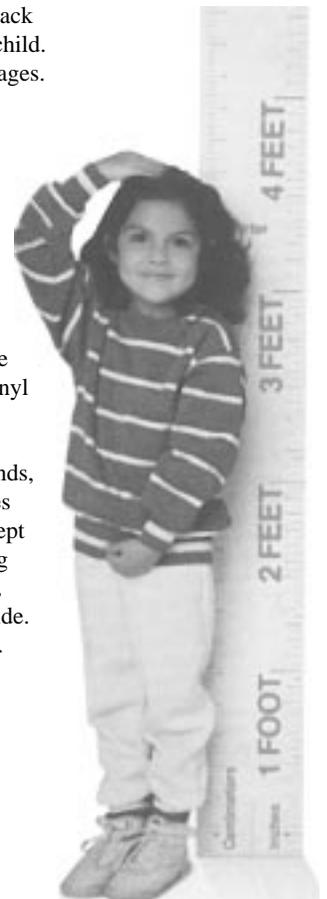
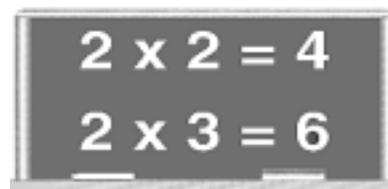
DV25 \$7.00



### GROWING GAUGE (HEIGHT CHART)

A very easy and interesting way to give a child practice with counting, numbers, and measurement is to have this vinyl height chart permanently hanging up in an out-of-the-way place, perhaps behind a door, in the home. The child can measure and record the heights of the family members, friends, pets, dolls, no limit. In the classroom, where the teacher tries to keep the environment simple and uncluttered, it can be kept rolled up for the children to use to measure themselves lying down. They also measure the classroom sensorial materials, bead chains etc. The growing gauge is 6 feet long and 7" wide. It has two metal grommets at the top for ease in hanging up.

DV500 \$9.00



Math and geometry are presented and treated in the same way as art, building with blocks, music, gardening, and all other subjects. What a different and wonderful introduction to a subject detested and feared by many of us adults.

A child who is allowed to explore with real mathematical objects at an early, motor-sensorial age stands a good chance of becoming a real math lover later in life. If his passions lie elsewhere, at least he will be exempt from the math phobia which so many of us experience because of our own less-than-joyful

introductions to this area of learning.

Math and geometry materials do not have to be expensive; they can be made of cardboard cubes, strings of beads, blocks, beans, anything that helps the child grasp the concept through her senses. In fact, the more one uses everyday objects for comparing, measuring, counting, and carrying out any other mathematical processes, the more math becomes a part of the real, practical, everyday life of the child.



In this Montessori school in Africa, as in many parts of the world, teachers are ingenious at creating mathematical materials from buttons, beads, wire, string, many objects found in the environments.

**FRACTION TRAY**

What a simple introduction to fractions! The natural wood tray is 11.75" long and contains four 2" circles cut into fractions. The fraction pieces are all different colors so the child does not associate the color with the size of the piece, for example some of the fourths are one color and some another color. The words "1", "1/2", "1/3", and "1/4" are printed on the tray giving a casual exposure to the written fraction.

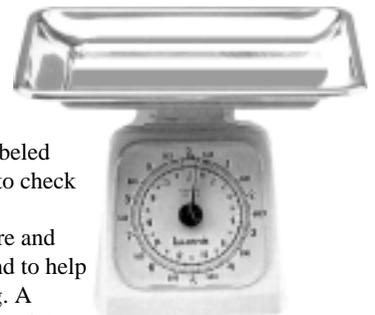
DV650 \$8.50



**KITCHEN SCALES**

What fun for the child to check the weights of everything in the kitchen to see if they are labeled correctly! Then to check the weights of ingredients before and after cooking, and to help with the cooking. A child's awareness of the baric sense is awakened as she weighs many objects in the classroom environment. The kitchen scales weighs up to 22 pounds. It is made of white durable plastic, with a detachable metal tray. 6" tall, tray 10" x 7".

DV330 \$24.00



**TEACHING CLOCK**

The main problem children have in learning to tell time is the relationship between the movement of the minute and hour hands—one making a complete rotation during the period of time that the other makes twelve rotations! For over fifty years this teaching clock has made learning to tell time simple for children. The visible functioning gears maintain correct hour hand relationships. The



and minute hand permanently assembled wooden clock is 12.2" x 13.5". Metal stands and teaching guide included.

DV340 \$31.00

**3-MINUTE BRASS TIMER**

The small 3-minute timer can help a child brush her teeth for three minutes (instead of five seconds).

Ch out of stock ow long it t the bed, pick up the books, run a race. Solid brass, a little over 3" tall, filled with white sand.

DV056 \$8.50

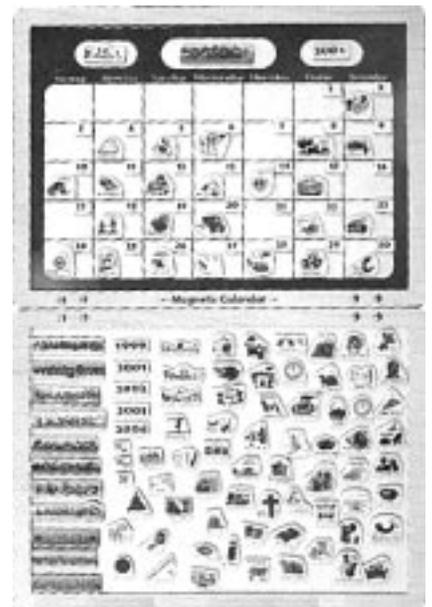


**MAGNETIC CALENDAR**

A wooden magnetic calendar that allows the child to plan each month, filling in birthdays, important events, (his first *time management* lesson?) or to daily record the weather with the "sunny day" or "cloudy day" magnetic pieces. We have never seen a calendar easier to work with or more fun.

The top half is the calendar, and the bottom is the storage board where the working pieces are kept—140 bright magnetic pieces that illustrate the weather, most holidays, the day, date, year, and common childhood activities. Dry erase surface too! 12" x 16" (closed), 24" x 16" (open).

DV282 \$21.00



**EDUCATION, AGES 6-12+****PHYSICAL HEALTH, EXERCISE**

The years from 6-12 are relatively stable, and the main academic work can be done now. However it is important that the child continue to use her body, to get exercise, to begin to learn and take responsibility for nutrition and health, and to continue to use the body as well as the mind for practical work such as cooking, gardening, working with tools. Well grounded healthy habits begun now will go a long way to help the child through the tumultuous years of adolescence.

**ACADEMIC, MORAL, AND SOCIAL WORK**

At six, there is a great transformation in the child, like a new birth. The child

wants to explore society and the world, to learn what is right and wrong, to think about meaningful roles in society. She wants to know how everything came to be, the history of the universe, the world, humans and why they behave the way they do. He asks the BIG questions and wants answers. This is the time to explore manners and what they mean, to learn about religion and what it means to people in different cultures. It is the time to use the mind to explore all of the areas of knowledge, to learn how to carry out research, and to develop creative ways of



Michael Olaf stops in at his old Montessori school, to play the piano and give a talk about music, and to answer questions about such topics as daily practice.

processing, exploring, and expressing this knowledge.

A Montessori elementary teacher has spent many months learning to give individual lessons in all academic areas, and to guide the child in direction and methods of their own research. Although groups form occasionally, with the

**LUNA STICKS**

We were introduced to this piece of materials by an elderly Waldorf teacher from England who had come to Berkeley, California to be a master teacher for the Waldorf school there. Each child at the school had his and her own set and they inspired each other, cooperatively, not competitively, to become more and more skilled. *Luna sticks*, dating back 2000 years, provides an enormous amount of mental and physical exercise—fun for all and wonderful for large muscle and balance development—and for the brain. The child will build on success with the beginning challenges, and then master an amazing assortment of skills or balance, movement, and judgement. The instructions that come with the sticks are enough to begin but the master of luna sticks will want to try the more difficult to professional skills taught in the instructional video.

The length of the longest sticks is 20". The wonderful and inspiring instruction video teaches the adult how to teach the child, and older children how to learn alone or with others.

**DT111 Luna Sticks \$22.00**  
**DT110 Instruction Video \$8.00**

**THE FORGOTTEN ARTS & CRAFTS**

Creative physical activity is important at this age. This is a time for children to learn to use all of their abilities and to build a strong self image and sense of contributing. This book provides such activities and also teaches appreciation for the discoveries and the work of those who came before us, and for the tools we have now. Crafts include textiles, preserving food, making bricks, keeping bees, and much more. Fascinating for the whole family. Hardcover 8.5" x 11", color, 384 pages.

**EH184 \$35.00**

**A BEAUTIFUL PLACE**

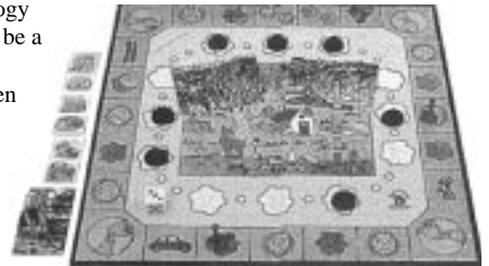
This is a cooperative ecology game. Earth can be a beautiful place shared by all when players work together, not against each other.

Discussion, team work, and a bit of luck

make for an exciting game—the child learning about ecology as he plays. Contents: 12" x 12" board, die, game pieces, pollution clouds, good deeds cards. Age 5+.

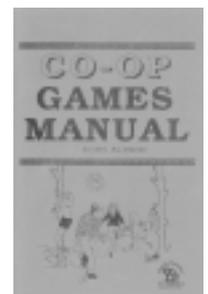
**DT304**

**\$17.00**

**COOPERATIVE GAMES MANUAL**

A noncompetitive, cooperative attitude to games is vital now—as children explore society. The *Co-op Games Manual* contains many cooperative games, and directions for changing traditional games into cooperative efforts. Playing becomes more cooperative, kinder, more creative, less tense and a lot more fun. Softcover, 68 pages.

**ER10 \$5.00**



teacher or among the children, the main work is still done by the individual—the protected period of concentration and focus, uninterrupted by scheduled required groups, being the hallmark of Montessori education. This is what heals and fulfills the child, and reveals the true human who naturally exhibits the desire to help others and to make a difference in the world.

Teachers who have taught the full 6-12 age span see the definite benefit of this age span, rather than breaking children up into groups of children closer in age. There are six years worth of wonderful possibilities to which every child is exposed—it is not just what the child does that results in learning, but what is casually taken in from the work around him. A 6-12 span helps the teacher avoid group lessons and teacher-

centered work, helping the children reach a much higher level of independence and education. It facilitates children teaching children, a vital element in Montessori education. When group lessons are kept at a minimum, periods of concentration protected, and children exposed to the amazing amount of work in the 6-12 class, not only are the state curriculum requirements easily met, but children work at a level one would not have thought possible. As I heard many times during my elementary teacher training: *The teacher is in charge of the minimum, the child the maximum.*

#### REQUIRED ACADEMIC WORK

The state or national curriculum is hung on the wall for each child to see what she must accomplish at each grade level, 1st grade through 6th. The teacher

meets with the individual student periodically to plan how this should be done. One child will want to do the required work on Mondays, another for the first hour or so each morning. Together they make a list for the week, or the month, and the child is in charge. This teaches time-management skills, and leaves the child free from interruption. If a child is having trouble getting down to work it might be suggested that for a short period of time, she keep a time journal, marking the clock time throughout a few days to see just how her time is spent. As soon as she discovers the problem and gets down to work, such a record ceases as it would be in impediment to the creative flow that is so evident in the Montessori elementary class.



#### WALK IN THE WOODS

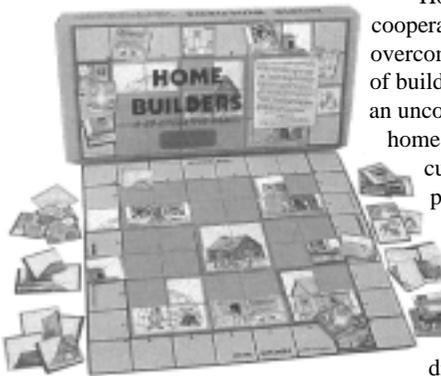
This cooperative game takes the players on a walk through the woods to look at beauty, gather goodies, and WATCH OUT for poison ivy, stinging nettle, biting bugs, and even the hot sun.

Contents: 12" x 12" board, dangers, remedies, goodies, look-ats, baskets, rules. For ages 5-7+, for 1-8 players.

ER020

\$17.00

#### HOME BUILDERS



Home Builders is a cooperative game about overcoming the problems of building a house - not an uncommon topic! The homes are from different cultures, past and present. Natural disasters can strike and wreck what is being built. The game nurtures discussion,

planning, and memory skills. Contents: 12" x 12" board, homes, game cards. Age 5+.

DT305

\$17.00

#### REALLY FUN MANNERS BOOKS FROM THE PAST

6+ children are often thought to be especially rude—because they are

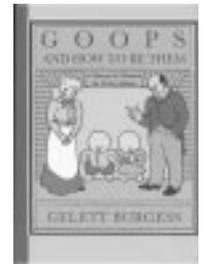
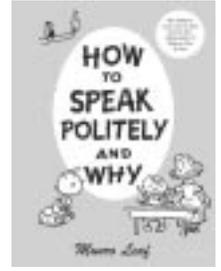
exploring the behavior of others, and trying them out! These books, published first in the early 20th century will make children howl with laughter as they explore the manners of the past and then subtly adopt the best ideas and behaviors. They are all hardcover, with black and white hand drawn illustrations. The first three are written by Munro Leaf, and are 7" x 9", 61 pages. *The Goops* is a book of funny manners poems. You might recognize: *The Goops they lick their fingers, and the Goops they lick their knives; They spill their broth on the table cloth, Oh, they lead disgusting lives!* It is 6" x 9" 88 pages.

(\* ) EH 580 *Manners Can Be Fun* \$15.00

(\* ) EH 582 *How to Speak Politely* \$15.00

(\* ) EH 584 *How to Behave and Why* \$15.00

(\* ) EH 588 *The Goops* \$17.95



#### "I CAN DO BETTER" GLOBAL PEACE PRAYER FLAGS

This set of five 6" x 9" prayer flags, fashioned after Tibetan Prayer Flags, are printed in lovely calm blues and greens, an image and printed on each: *Peace begins with me; May respect and tolerance increase; Be Peace, practice kindness; Inner peace creates global peace; We can be the change we wish to see.* These words are good daily reminders for all of us. Hang the flags in a doorway, an entrance, or on the wall. They are made of 100% cotton, and information on the prayer flag tradition is included.



EH030 \$15.00

The Montessori curriculum is built around the five great lessons given at the beginning of each year for the new students to introduce: *creation of earth, coming of plants and animals, the arrival of humans, language, math and invention.*

These lessons are designed by the teacher and include stories, pictures, and activities. The older children come if they like, to revisit them from a new perspective, or they hear them from afar, experiencing them differently each time depending upon their own growth in understanding.

Timelines are made with long strips of fabric or paper on which the child lays out fossils, pictures of dinosaurs, composer and musician pictures, etc., to get a visual picture of history in each subject.

### COOPERATION & PEACE & WORK

What good is knowledge if not combined with consideration for others. Peace is not studied as an independent subject, but with the study of examples from the past, and practice in serving food and helping each other.

Peace is the natural outcome of a method of education where children experience work with their hands and long periods of individual concentration and contemplation. In this way they are able to process and recover from all the input of our modern world. They learn that peace is not just the absence of war, but the way we treat each other in our daily lives, the way we communicate, and the way we solve problems. Peace begins inside us, at home, at school.

*The acts of courtesy which he has been taught with a view to his making contacts with others must now be brought to a new level. The question of aid to the weak, to the aged, to the sick, for example, now arises. If, up to the present, it was important not to bump someone in passing, it is now considered more important not to offend that person.*

*While the younger child seeks comforts, the older child is now eager to encounter challenges. But these challenges must have an aim.*

*The passage to the second level of education (age 6-12) is the passage from the sensorial, material level to the abstract. A turning toward the intellectual and moral sides of life occurs at the age of seven.*

—Maria Montessori, MD



### PRAYER FLAGS

Our first flag set is a cotton string of 5 *blank* cotton flags, 11" x 11" in the traditional colors: white, blue, red, yellow and green. The child, or the whole class, can design and create their own set with markers or fabric paint.

The second set is an authentic mini-flag windhorse design. The windhorse is thought to carry the prayers and wishes through the world by means of the wind. This set is the same traditional colors, 6" x 7", the strand 3' across. Both sets are made by Tibetans in Nepal.

(\* ) EH630 Blank Flags, Set/5 \$15.00

(\* ) EH631 Mini Windhorse Set, Set/5 \$6.00

### WHAT IS GOD?

This book introduces, in few words and whimsical illustrations, the major religions of the world in a simple way to which young children can relate. *What is God* explains their differences and similarities and is a good introduction to further exploration in this important subject. Hardcover and softcover, 8" x 10", 30 pages, color.

EH050 Softcover \$6.95

(\* ) EH051 Hardcover \$16.95



### THE THREE QUESTIONS

Based on a story by Leo Tolstoy, one of Russia's most influential authors and social reformers, this book speaks to the child of today.

Surrounded by the pressure to achieve, to get into college, to earn money, this book reminds us that it is who we are now that is the most important.

The three questions are, *When is the best time to do things? Who is the most important one?*, and *What is the right thing to do?*. The story, and the absolutely beautiful watercolor illustrations in this inspiring picture book of a young boy looking for answers, will be welcome in any home or classroom. Hardcover 12" x 10," color, 30 pages.

EH120

\$16.95



### SPIRITUAL MODELS

Many of the heroes of today unfortunately have more to do with TV, movies, and sports, than anything else. Yet, once introduced to the spiritual inspirations of the wider world, children are surprisingly open to learning about them and the religions that grew up around them. The illustrations in these books are beautiful and reflect the culture of each. They draw the children in as much as the words. The books are Hardcover, 10" x 10", full color, 32-40 pages.

EH270 Mohammad \$19.95

EH272 Buddha \$21.95

EH270 Gandhi \$19.95

EH276 The Dalai Lama \$18.95

(\* ) EH277 Jesus \$19.95

(\* ) EH278 Mother Teresa \$19.95

(\* ) EH281 Spiritual Set/6 \$115.00



**EARTH**

There is no subject in the elementary class that is taught in isolation; all of the work is interrelated and a child's interest and developing passion in one area of study gradually leads her to all the rest.

The teacher does not require specific work, but guides the children as individuals or self-formed small groups in doing research following their own interests, in creating and finishing research projects, and in finding a way to

express them. The teacher gives the basic lessons over and over, but never knows where this research will go each year, with each individual child, and each group of children. This is as exciting for the teacher as for the children.

**ASTRONOMY TO GEOLOGY  
COSMIC TASKS**

Long ago, the sciences were taught in conjunction with the study of human life. This changed radically with the discovery, by Copernicus, that the Earth

is not the center of the universe—science and religion going their separate ways. This break has lasted till today.

There is now a movement to bring the spiritual view of life and sciences back together. We can help by giving lessons that show the child that:

(1) All of the rules of physics and chemistry (e.g. gravity) follow an order dictated by God, or a creative force.

(2) Each element, from the tiniest atom to the human being, has an important role to play, a *cosmic task*, in

**BAR CHART EARTH OUTLINES**

A review and goal-setting outline for the adult and child. Since it is not possible for the adult to keep up with all recent discoveries in earth-related sciences, these charts provide an annually updated outline of all earth subjects taught in the elementary class.



These outlines are used by high school and university students. They are 8.5" x 11", between 4 and 8 sides, laminated, in color, and hole-punched. For a complete list of Bar Chart Academic Outlines, see page 101.

<b>GB900 Astronomy</b>	<b>\$5.95</b>
<b>GB901 Earth Science</b>	<b>\$4.95</b>
<b>GB902 Geography</b>	<b>\$4.95</b>
<b>GB903 Rocks &amp; Minerals</b>	<b>\$5.95</b>
<b>GB904 Chemistry</b>	<b>\$4.95</b>

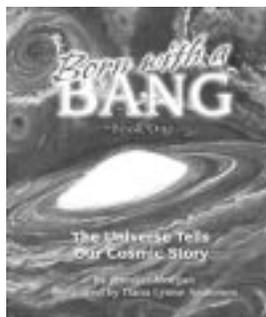
**BORN WITH A BANG****THE UNIVERSE TELLS OUR COSMIC STORY**

In the beginning of each year in the 6-12 class the teacher introduces the story of the creation of the earth, with impressionistic pictures, and simple activities. This book is very close to the story. Here is a quote about it by Dr. Thomas Berry, a cultural historian who has spoken at Montessori conferences: *That the Universe can now tell its story through Jennifer's voice and Dana's art, is the culmination of centuries of scientific inquiry.*

The book tells the story in a very interesting, but true, way, with brightly colored imaginative full-page illustrations similar to the impressionist charts that the teacher would use. The imagination is stirred and curiosity reigns. In the back of the book there are 8 pages full of background information, scientific details, and resources for further

research. Softcover, 9.5" x 11.5", full color, 48 pages. NOTE: See the companion volume, *From Lava to Life*, on page 73.

(\*) **EE605** **\$9.95**



**NOTE:** Many of the materials used for 6-12 Earth studies can be found in the 3-6 section, pages 23-29.

**THE BLACK STRIP**

Dr. Montessori used a similar teaching aid to show children in India that history did not begin 10,000 years ago in their country. This black strip—almost 100 feet in length!—is handwoven in Thailand. It is unrolled slowly as one tells the story of the creation of the earth, the formation of the crust, the erupting volcanoes, the plants, animals, and at the very last 1/3" white strip, is the time that humans have been on earth, the Chinese, Indians, Greeks, all of us. What a lesson in humility. 97' x 3.5".

(\*) **EE601** **\$50.00**

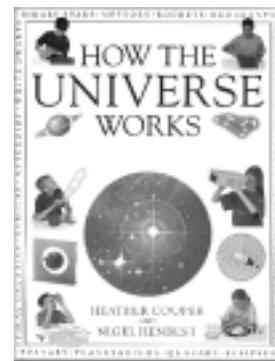
**ERUPTING VOLCANO MODEL**

This working model of a volcano can be used with the black strip, or at any time the child is interested. It is not toxic, using the old-fashioned vinegar baking soda. What an impression! Then pull the volcano into 2 parts to see the cutaway illustrations of the parts of a volcano. Sturdy, bright colored plastic, 11" tall.

**EE200** **\$31.00**

**HOW THE UNIVERSE WORKS**

This book was written by two British science writers with a talent for making science come alive for children. It makes even the most daunting scientific principles come alive with hands-on experiments and beautiful illustrations. There are many topics and experiments in each of the following chapters: spaceship earth, the moon, the solar system, the sun, stars, the cosmos. Hardcover, 8.5" x 11.25", color, 155 pages.



**EE434** **\$24.00**

this scheme of life. The term *cosmic task* is used often in the elementary class.

*Cosmos* is the opposite of *chaos*, and implies some kind of a logical order to reality, and children at this age are fascinated by attempts to figure it out.

Dr. Montessori pointed out that every element in our world has some important task to perform, a task that will fulfill a need for itself, and in the process—contribute to the need of others. She took the common mollusk as an example. As it draws calcium carbonate

out of the seas to build its protective coating, its *house* or shell, it at the same time reduces the level of this substance from sea water. If the level of this mineral were high enough it would poison all life on earth. This work is the *cosmic task* of the mollusk.

The lowly common fly, as another example, lays its eggs on dead creatures and its offspring devour the tissues, feeding themselves, and at the same time ridding the environment of dead matter, that would otherwise pile up and pollute

the earth. This is the *cosmic task* of the fly.

An artist, in fulfilling an inner command to express through paints a feeling that must get out and can be expressed in no other way, brings beauty and/or meaning to others sometimes throughout generations. This is the *cosmic task* of the artist. We can all discover a cosmic task if we try.

Children explore first the cosmic task of the elements of the physical earth, then other living creatures, and finally

### THE STARS: A NEW WAY TO SEE THEM

This book is meant for people who want to know just enough about the stars to be able to go out at night and find the major constellations, for the mere pleasure of it. The unique contribution of this book is in the way that it connects the stars to represent the constellations. In many books constellations are drawn representing random or geometric patterns. H. A. Rey remedies this situation by representing the stars in a pattern that links the stars to the name:

*Cetus*, The Whale, actually looks like a whale, and *Ursa Major*, The Great Bear looks like a bear. *The Stars* is full of interesting and well presented information on the heavens. It has been translated into many languages and has been a favorite for many years. Softcover, 8.5" x 11", 158 pages.

EE022

\$11.95



### STARPOCKET

A quality star identifier from France that one can carry in a pocket! In either the Northern or the Southern hemisphere this small miracle can be adjusted to identify 1,500 stars up to magnitude 5 and discover the names of the 70 major constellations and 42 principle stars visible between 20° and 60° latitude north or south. Turn the rings to adjust to date and time, look through the eyepiece with the starpocket lined up with the night sky. The stars are printed inside the starpocket and light up with a red light just like serious stargazers use. 5.75" long, blue and white, in a white protective bag.

EE163

\$35.00



### THE UNIVERSE

A noted science writer takes readers on a thrilling voyage into space, beyond our own solar system to the beginnings of our universe. The artwork, color paintings and photographs from space, take one's breath away and make a lasting impression on the imagination of the child. Softcover, 10.5" x 10.5", color, 28 pages.

EE445

\$7.00



### OPTIC WONDER

This is an amazing tool, both a monocular and binocular compass, with adjusting ring, signaling mirror, magnifying mirror, and mini microscope. The 7-function instrument is perfect for child to use, and child and adult alike. It folds up small enough to keep in the glove compartment.



out of stock

When the child is ready to explore the night sky, the compass is indeed useful. When he/she wants to explore cloud and other daytime sights be sure and teach the child TO NEVER LOOK DIRECTLY AT THE SUN. This *original* optic wonder is the highest quality model, made in Italy. It comes in a different color with each shipment. Folded size: 4" x 1.5" x 1.5".

EE050

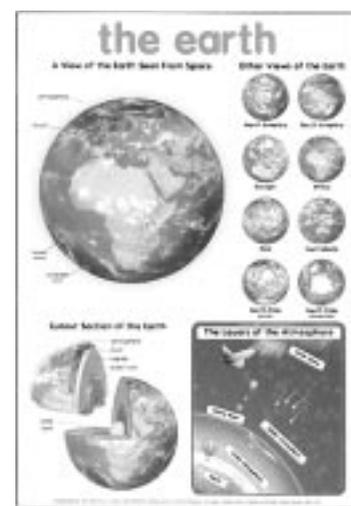
\$6.00

### OUR WORLD FLIP CHARTS

10 colorful, clearly and interestingly illustrated, wipe-clean 11.5" x 17" charts, which can be kept in the binding as a book, or separated as individual posters. The first chart shows the planets, labeled and with relative size to each other and to the sun. Next is a chart of the earth with the layers of the atmosphere, several views of the globe, and a cutaway showing the inside of the earth. There is a chart of a projection of Earth, one with a projection and view of each of the continents. Next there is a chart for Asia, Australasia, Europe, North America, South America, and the United States (no Africa). These provide a link between what is studied in the 3-6 class (planets, continents, countries and states) and the 6-12 class—the inside of the earth.

DE775

\$12.95



other humans and themselves. The most important point is that the child realizes that he or she has an important part to play in this picture.

### FROM THE GENERAL TO THE SPECIFIC, FROM THE SIMPLE TO THE COMPLEX

As in all areas of the elementary curriculum, *Earth Sciences*—physics, chemistry, etc., begin with the overview and progress to details. The child learns the functioning of the galaxies, the universe, then solar systems, the

formation of Earth, seasons, natural wonders, the weather, rocks and minerals, etc. As he learns about the discoveries in the past he participates in present discovery by means of experiments in all areas.

Beginning at age six, physics, chemistry, geography, and so on are introduced and continue until the end of the elementary class at age twelve.

Older children often come to lessons given to the younger children, and younger children are welcome at lessons

given to their elders. Each year the child sees more interrelatedness between these areas because lessons and experiments are going on all the time at all levels. This annual repetition leads to deeper understanding as the child incorporates his own experience each time.

Because the child at this age is very interested in using his imagination, we also give him the mythology of the world by which humans have explained natural laws. He develops language skills by the study and written expression of this

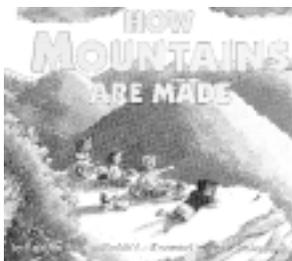
### HOW MOUNTAINS ARE MADE

This beginning reader contains many of the lessons given in the elementary class about earth.

These include the work of wind and water, the formation of fossil layers, plates, the interior of the earth, and the formation of mountains by the processes of folding, fault-block, domes, and volcanoes. It is told through discoveries of a group of children climbing a mountain. Softcover, color, 8" x 9.5", 32 pages.

EE420

\$5.00

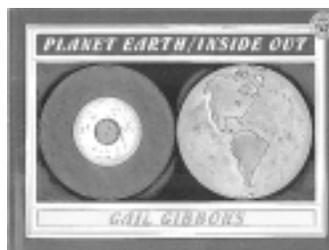


### PLANET EARTH / INSIDE OUT

An early reader of the earth—tracing its formation from the very beginning, from the continent of Pangaea to the present. It includes a description of the inner and outer core, the mantle and crust, the plates, what happens at their edges to form earthquakes and volcanoes, and more. Softcover, 11" x 8.5", color, 30 pages. A beginning reader.

EE455

\$7.00

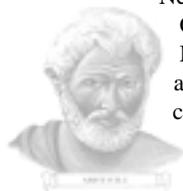


### SCIENTISTS CARD GAME

These cards introduce children to history's philosopher-scientists and their discoveries: Aristotle, Galileo, Newton, da Vinci, Kepler, Copernicus, Dalton, Darwin, Mendel, Fermi, Pasteur, Curie, and Einstein. Use these 52 colored cards to create timelines of the past.

EE01

\$6.00



### HOW TO DIG A HOLE TO THE OTHER SIDE OF THE WORLD

A comical fantasy and early reader about a child digging his way through the earth to the other side. On the way a lot of factual scientific information is given. A popular geology book for children since it was first published in 1979. Softcover, 6.5" x 10", color, 32 pages. A beginning reader.

EE130

\$7.00



### THE MOON SEEMS TO CHANGE

In the same way as the day and night book, this book is a very good introduction to an important concept, clear and simple. Using an orange on a stick and a flashlight, we come to understand the relationship between the sun, the earth and the waning and waxing moon. Softcover, 8.5" x 7", color, 32 pages. A beginning reader.

EE436

\$5.00

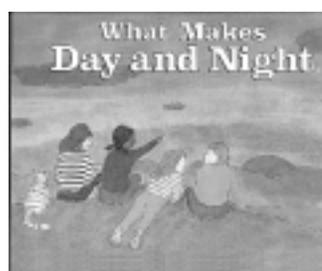


### EARTH FROM ABOVE for Young Readers

Soar above the earth, look down, what do you see? This book of remarkable aerial photographs take us to a world of discovery, up close. It was created by a famous photographers trying to share the earth with his godson back home. You will see pictures of elephants on the go in Botswana, penguins on the icebergs of Antarctica, an ancient carving of a white horse in England visible only from the sky, oriental carpets drying in the sun in Morocco, wood floating down the river in the Amazon, people walking on a bridge over a hot spring in Yellowstone, USA, much more. Each 2-page layout shows a map of the world with the spot marked, and gives very interesting information.

EE061

\$14.95



### WHAT MAKES DAY AND NIGHT

With a simple lamp the child becomes the earth and feels the difference between night and day as he turns—just as the earth would do. This book is a very good introduction to day and night, clear and simple. Softcover, 8.5" x 7", color, 32 pages. A beginning reader.

EE440

\$5.00

work, and math and geometry come alive as tools to measure these discoveries.

### LAB MANUALS

Children can keep records, pictures and words, in her own way. The scientific method of recording experiments follows the traditional format, the children selecting an experiment, gathering the materials, following the steps to test the hypothesis, and observing, and sometimes recording the results and explanation.

### EARTH'S TREASURES

This is a beautiful collection containing sixteen large (1-2 inches) specimens of minerals, rocks and gems, each in its own bag with an information card. Specimens often included are obsidian, pumice, quartz, red sandstone, lodestone (nature's first magnet), basalt, sulfur and pyrite.

EE24 \$10.00



### ROCKS AND MINERALS

The perfect geology reference book from the Natural History Museum in London. Formation of igneous, sedimentary, and metamorphic rocks, the first flint tools, the story of coal, rocks from space, crystals and gems, collecting and polishing rocks, and much more, all presented with glowing full-color illustrations that make the specimens seem like they are sitting on the pages of the book. Hardcover, 8.5" x 11.5", color, 643 pages.

EE124 \$16.00



### ROCK CARD

At this age rock collecting is connected to the creation of the earth. This collection of 18 mounted rocks is divided into Igneous, Sedimentary and Metamorphic categories. Children love to learn these large, scientific words, no explanations of the meanings is necessary at the beginning, but gradually the whole picture of the history of the earth will unfold.

EE25 \$4.00



### TIMELINES

Timelines are used in all areas of the elementary curriculum. For an interesting timeline, make a long strip of cloth or paper, marking the years in the billions, millions, thousands—like the markings on a ruler—from the beginning of earth's creation to the present.

Next figure out for how long there have been plants and animals and color this part of the timeline one color. Then mark, with another color, the length of time humans have been here. This is a

powerful image for children, or adults. Timelines can be made for all different subjects, tracing the history of the natural world, the development of the mapping of the earth, the discovery of elements, and so forth.

### THE ARTS

The arts play a large part of every area of the elementary studies. Models, plays enacting historical dramas such as the measurement of the earth, songs, artwork, there is no end to possibilities.

### PHYSICAL SCIENCE FLIP CHARTS

When a child is conducting all the 3-6 experiments such as sink & float, bubbles, magnet sorting, electric circuit, and so on, it is not uncommon to hear questions the adult cannot answer. These charts, although mainly for the 6-12 class, are often useful at this level. The children enjoy them just for the pictures and vocabulary associated with the science objects. There are 10 colorful, clearly and interestingly illustrated, wipe-clean 11.5" x 17" charts, which can be kept in the binding as a book, or separated as individual posters. Subjects: air, density, energy, heat, light, magnetism, matter, measurement of matter, sound, and water.

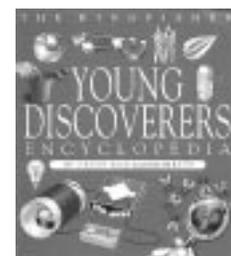
DE174 \$12.95



### YOUNG DISCOVERERS ENCYCLOPEDIA OF FACTS AND EXPERIMENTS

This new book is a compilation of eight books we have carried in the past: *Energy and Power*, *Batteries Bulbs and Wires*, *Sound and Light*, *Solids and Liquids*, *Weather and Climate*, *Rivers and Oceans*, *Maps and Mapping*, and *Nature in Danger*. The colorful pictures alone invite the child to carry out many science experiments. The information will be valuable even into secondary school. Softcover, 8.5" x 9.5". Full color, 214 pages.

DE091 \$15.95



### SCIENCE ENCYCLOPEDIA

A thrilling reference with inspiring illustrations: timelines of the discovery of matter and energy, evolution of earth and living things, astronomy, physics, chemistry, geology, botany, zoology, and ecology. This treasure is written by an impressive team and includes more than 100 biographies, 2,500 full-color illustrations, more than 280 main entries and 18,000 subentries. For adults and children. Hardcover, 8 1/2" x 11", color, 448 pages.

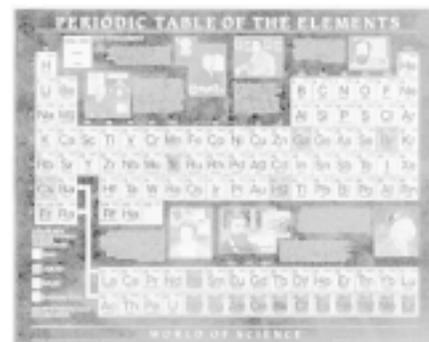
EE10 \$40.00



### PERIODIC TABLE OF ELEMENTS POSTER

Solids, liquids and gases are color coded. There are pictures and brief biographies of seven scientists largely responsible for what we know in this subject today. One could make timeline cards of these biographies, or a blank chart for the child to construct his own periodic table. 27" x 38", color.

EE11 \$8.00



## PLANTS & ANIMALS

*How often is the soul of man, especially that of the child, deprived because one does not put him in contact with nature.*

*There is no description, no image in any book, that is capable of replacing the sight of real trees, and all the life to be*

*found around them, in a real forest. Something emanates from those trees which speaks to the soul, something no book, no museum is capable of giving. The wood reveals that it is not only the trees that exist, but a whole, interrelated collection of lives. And this earth, this climate, this cosmic power are necessary for the development of all these lives. The myriad lives around the trees, the*

*majesty, the variety are things one must hunt for, and which no one can bring into the school.*

—Maria Montessori

In the elementary class, for children from age six to twelve, the study of biology has three main focuses:

(1) Experiments and observation of plants and animals to discover the

### BAR CHART BIOLOGY OUTLINES

Biology is one of the subjects that is changing continually. Since it is not possible for the adult to keep up with new discoveries each year, the company that produces these outlines does it for us. Here is an up-to-date

outline of all the biological subjects taught in the elementary class. They are 8.5" x 11", between 4 and 8 sides, laminated, in color, and hole-punched. For a complete list of Bar Chart Academic Outlines, see page 101.



<b>GB905</b> Biology	<b>\$4.95</b>
<b>GB906</b> Botany	<b>\$5.95</b>
<b>GB907</b> Zoology	<b>\$4.95</b>
<b>GB908</b> Marine Biology	<b>\$5.95</b>
<b>GB909</b> Human Anatomy	<b>\$5.95</b>
<b>GB910</b> Nutrition	<b>\$4.95</b>

### WHO EATS WHAT?

#### FOOD CHAINS & FOOD WEBS

This early reader presents the very important information about food chains in a way that makes it clear to children. We are part of this food chain that begins with green plants, and each link is important, because every living thing depends on others for survival. Softcover, color, 10 x 8", 32 pages.



**EP250**

**\$5.00**

**NOTE:** Many of the materials used for the 6-12 Life Sciences studies can be found in the 3-6 section, pages 30-40.

### DO ANIMALS HAVE FEELINGS TOO?

No matter what the study, respect and compassion are the first considerations in the examinations of any life on earth. Children are taught to consider first the comfort of any animal that is brought indoors, and whenever possible to study animals in their natural habitat. This book carries the love and respect of animals further; just at the time when a child is interested in fairness and justice, it presents a collection of fascinating animal behavior which indicate a wide variety of animal emotions, such as compassion, loyalty, fear, vengefulness, and joy: A young antelope was being dragged into the river by a crocodile. A nearby hippopotamus saw what was happening and charged the crocodile; the crocodile released the antelope and swam away. The hippo gently pulled the antelope up the riverbank. Was the hippopotamus showing compassion? This collection of true, documented animal stories is both heartwarming and thought-provoking. Do animals merely follow instinct? Or do animals have feelings too? Hard and softcover, 9" x 11", color, 32 pages.

<b>EP350</b> Softcover <i>Feelings</i>	<b>\$7.95</b>
<b>(*) EP351</b> Hardcover <i>Feelings</i>	<b>\$16.95</b>



### LIFETIMES

Old age is relative, depending on one's life span; a mayfly's lifetime lasts one day; she reaches old age by the time the sun sets. *Lifetimes* allows us to compare Earth's residents by their life lines, from the short-lived mayfly to the 2,000-year-old sequoia tree. Included also are the time spans of the Earth, the sun, and the universe—cosmic references that dwarf human life spans. Every species has a lesson for us. Every page includes brief information about the life form profiled set against a realistic, full-color illustration. Hard and softcover, 32 pages, color, 9" x 11".

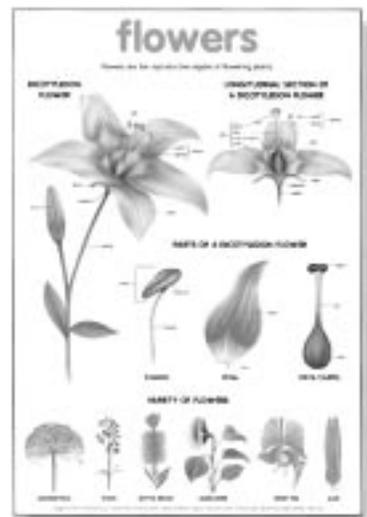
<b>EP060</b> <i>Lifetimes</i> , softcover	<b>\$7.95</b>
<b>EP061</b> <i>Lifetimes</i> , hardcover	<b>\$16.95</b>



### BOTANY FLIP CHARTS

There are 10 colorful, clearly and interestingly illustrated, wipe-clean, 11.5" x 17" charts, which can be kept in the binding as a book, or separated as individual posters. It is amazing what children are interested in at this age if given the experience, and many of the botany subjects are included in these charts including the parts of the flower, leaf, stems, and root. Other pages of the flip chart book lead to the studies that begin at age 6 or 7: seed dispersal and formation, plant cell biology, pollination, and corn as an example of a monocotyledon. Wonderful for the child and the adult.

<b>DP415</b>	<b>\$12.95</b>
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amazing variety and needs of plants and animals.

(2) Evolution of plants and animals.

(3) Classification of plants and animals.

At the beginning of each year the teacher inspires children to carry out research in these areas by telling stories, and presenting beautiful books, posters, charts, and timelines. Then each child

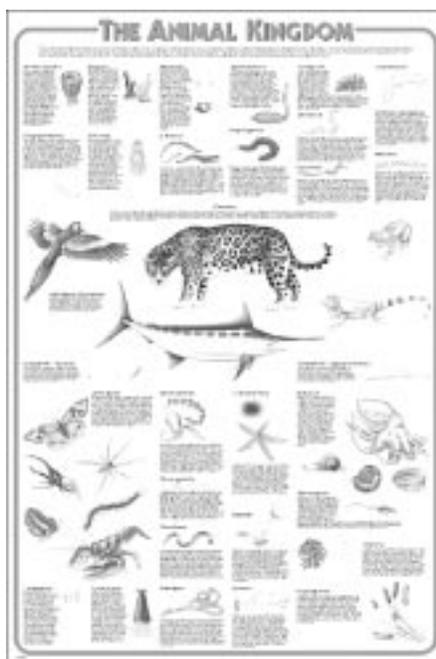
begins a personal journey of discovery, joining others for research projects and presentations. Every year is unpredictable, not even the teacher knowing what will be covered, as the rule is to "follow the child."

**EXPERIMENTS & OBSERVATION**

Experiments and observations help the child to discover first hand just how

plants and animals live, to find out how their needs are met, and to discover the amazing variety of life forms.

Children become aware of the world in a new way, discovering the tiny plants in the cracks of pavements—growing wherever they can find a little light, moisture and nourishment. This close hand experience makes children appreciative and protective of all of life.



**LIFE ON EARTH CHARTS**

In 1735 Carolus Linnaeus published the first edition of his *System Naturae*, which set forth his system for classifying all living things. *Animal Kingdom* illustrates all 38 of the animal phyla identified according to his system, both existing and extinct. Each example is accurately described and highly detailed with scientific illustrations of representational species.

The companion chart *Plant Kingdom* provides a comprehensive overview of 10 classifications of plants. All illustrations are prepared by a leading botanical illustrator, and special care went into showing important extinct species. Each is accurately summarized and many representative species are shown. The charts are 24" x 36", full color, laminated.

- EP405 **Animal Kingdom** \$15.00
- EP400 **Plant Kingdom** \$15.00
- EP408 **Life on Earth Set/2** \$29.00

**HUMAN ANATOMY COLORING BOOK**

Generally we do not recommend coloring



books for children, but this book is an exception because of the important information one gains in filling in the colors. In our family we colored pages following an experience—for example the foot bones were colored when a friend broke his foot. This simple book can help lay the foundation for more rigorous studies of anatomy in later years. Softcover, 8.5" x 11", 43 pages.

EP216 \$3.95

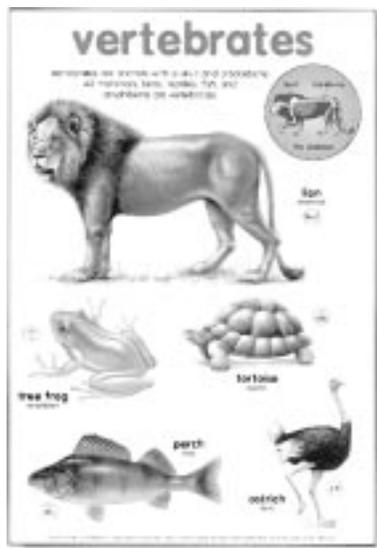
**ANIMAL KINGDOM FLIP CHARTS**

10 colorful, clearly and interestingly illustrated, wipe-clean 11.5" x 17" charts, which can be kept in the binding as a book, or separated as individual posters.

Invertebrates, vertebrates, insects, fish, birds, reptiles, mammals, butterfly and frog life cycles, animal classification.

Wonderful for the child and the adult.

DP410 \$12.95

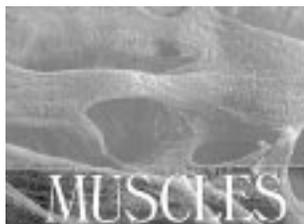


**HUMAN ANATOMY BOOKS**

Children at this age want to see inside everything! And to understand the tiniest details. They can dissect **found** dead animals, but these books provide a look at the inside of the human body. The author knows that the secret to interest children is captivation by spectacular color photographs—taken by amazing new scanners which change X-ray photos into computer code to make clear, colorful graphics.

Children exposed to these pictures and this simple and correct information have a real head start in the important task of understanding human bodies. Softcover, 10" x 10", color, 26 pages.

- EP360 **Bones** \$7.00
- EP361 **Brain** \$7.00
- EP362 **Heart** \$7.00
- EP363 **Muscles** \$7.00
- EP364 **Set/4** \$27.75



### ADAPTATION & CHANGES OF PLANTS AND ANIMALS

Experiments and observation lead to discoveries which help the child travel, through his tremendous imagination, back through time to the very beginning of life, to discover the miracle of variety and the transformation of plants and animals through time.

### CLASSIFICATION OF PLANTS AND ANIMALS

The discovery of the multitude of kinds of plants and animals helps children understand why there must be a system of sorting and naming them—this is *biological classification*.

Children want to know how and why plants and animals have been classified and how the systems of classification

change as we learn more about biology. This work links biology to logic, math and language, English and Latin.

When subjects are connected like this, and the child is allowed to follow his interest, facts becomes part of his long term memory instead of just being memorized, tested on, and forgotten. Biology can become a lifelong interest for this child.

### EXTERIOR PARTS, DEFINITIONS OF PARTS, OF INVERTEBRATES

As always, the card material comes AFTER much experience with the real animals, the adult using the definitions (from this material) in casual conversations with the child.

For many years Montessori teacher trainees at the 6-12 level have copies, drawn, labeled, colored, laminated, and trimmed these cards—from scratch. Although that process is a valuable part of learning the materials it is sometimes good to have a ready made source. These cards are researched, up-to-date, designed and produced by a Montessori teacher. The animals have been photographed, the highlighted animal part such as *muscular foot* in this example in color, the rest in black and white. Vertebrate animals are studied in the 3-6 level, the study of invertebrates appropriate for age 6-12: this is the age when the child reaches back in time with her imagination to discover how animals adapted and changed over time.

Each of the 5 sets of the *External Parts Cards* are printed in full color, each packet containing control cards (3.75" x 4.25"), matching picture cards (3.75" x 3"), and word cards (3.75" x 1.25"). The five invertebrates are: Snail (mollusk), Starfish (echinoderm), and three Arthropods: Butterfly (insect); Spider (arachnid), and Lobster (crustacean).

The same five animals are presented in the *Definition Cards* sets. There are 39 terms. Each packet contains control cards (3.75" x 4.25"), word cards (3.75" x .75"), full definition cards (3.75" x 3.5") first half of definition cards (3.75" x 1.25"), and bottom half of definition cards (3.75" x 3") all with rounded corners. All cards are laminated with heavy, strong laminate and the corners rounded, for long and regular use by children. The complete set of "definitions" includes directions for use.

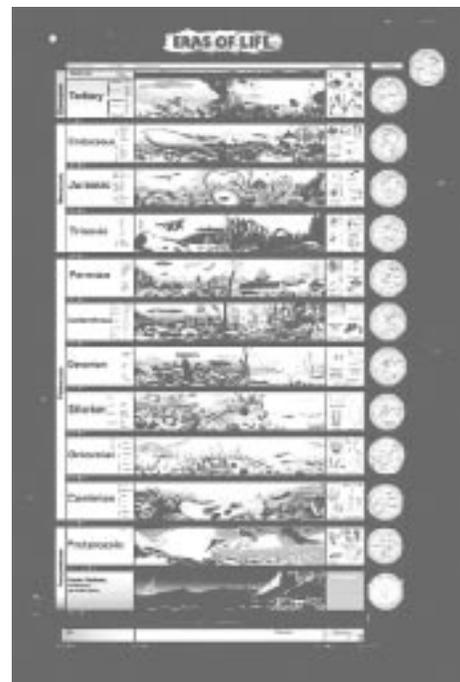
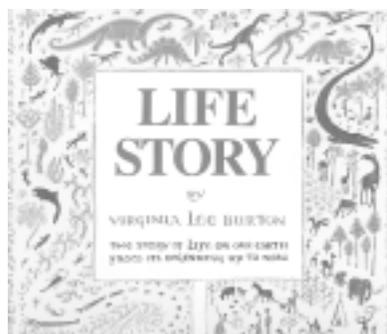
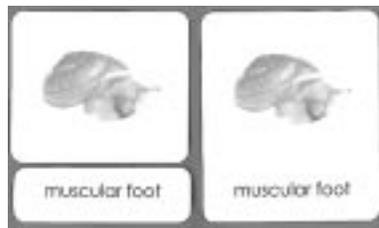
- (\*) EP470 Parts of Snail \$18.95
- (\*) EP471 Parts of Starfish \$18.95
- (\*) EP472 Parts of Butterfly \$18.95
- (\*) EP473 Parts of Spider \$18.95
- (\*) EP474 Parts of Lobster \$18.95
- (\*) EP480 Parts Set/120 pieces \$90.00

- (\*) EP500 Definitions, Snail \$20.95
- (\*) EP501 Definitions, Starfish \$20.95
- (\*) EP502 Definitions, Butterfly \$20.95
- (\*) EP503 Definitions, Spider \$20.95
- (\*) EP504 Definitions, Lobster \$20.95
- (\*) EP510 Definitions Set/234 pieces \$100.00

### LIFE STORY

A favorite for many years, written by a grownup Montessori student. The format of this favorite book is a play in five acts: Paleozoic, Mesozoic, Cenozoic, Recent and Most Recent Life, with a prologue: The formation of the Earth. There are "leading plants" and "leading animals" (appearing in the play in the order of their appearance on earth). The play is narrated by a geologist, a grandmother, a paleontologist, a historian and the author. She tells this story with a sense of humor which is very appealing to children and adults alike. Softcover, 9" x 10", color, 70 pages.

EP10 \$10.95



### ERAS OF LIFE CHART

This detailed and beautifully colored geological time chart provides an extensive exploration of life as it existed in various periods, life in the sea and on land, plant and animal. There is a globe next to each period which shows how the land masses changed over time due to continental drift, and the margins (dark in the picture) are filled with additional information.

#### Suggestion for Use:

Use two of the charts. Keep one on the wall as the "control of error", cut the other apart in strips. Take the cut up strips to a place in the room far away from, out of sight of, the first chart. Have the child take one strip at a time to the chart, and "carry in his mind" the picture of where it belongs, assembling the strips correctly, by memory. This is learning.

Then suggest a horizontal layout of the strips to show a horizontal timeline. The chart is 24" x 36", laminated.

EP410 \$13.00

**OUR HUMAN BODIES**

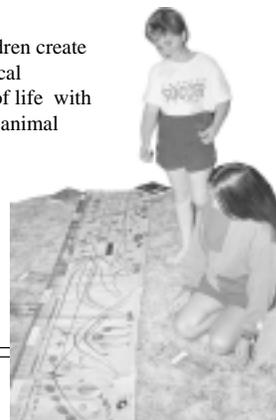
The child from birth on is constantly learning about bodies, from the way we handle an infant, the way we respect and care for the growing child's body, and from the way we feed and care for our *own* bodies, even the way we treat our spouse.

A natural and healthy attitude develops about bodies and sex if these topics are part of the daily conversation at home and at school.

Otherwise a child is put into the position of learning about these things from the media or from other questionable sources.

Caring for our bodies and learning to respect the bodies of other people, sex, love, relationships, families—what could be more important information for us to pass on correctly to our children during these very curious years from age six to twelve, and beyond.

Two children create an historical timeline of life with plant and animal pictures.

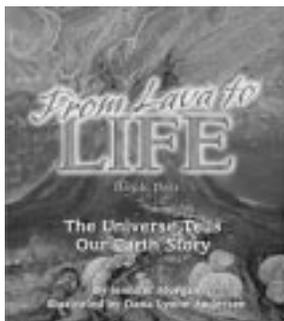
**FROM LAVA TO LIFE****THE UNIVERSE TELLS OUR EARTH STORY**

In the beginning of each year in the 6-12 class the teacher tells the amazing story of earth's beginning, the huge spinning disk of dust, the appearance of light, volcanoes, finally water, atmosphere, and then life.

*This story makes me feel like humans are part of the universe, not separate and alone.* —Kori Bloom, age 9

*From Lava to Life* tells the story from the perspective of the universe, with brightly colored imaginative full-page illustrations similar to the impressionist charts that the teacher would use. They stir the imagination, while giving true scientific details, and inspire the child to want to know more. In the back of the book there are 8 pages full of background information, scientific details about the creation of life on earth, and resources for further research. The book is Softcover, 9.5" x 11.5", full color, 48 pages. NOTE: See companion volume *Born with a Bang* page 66.

(\*) EP460



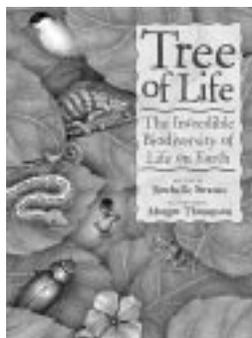
\$9.95

**THE TREE OF LIFE****THE INCREDIBLE BIODIVERSITY OF LIFE ON EARTH**

If every known species on Earth were a leaf on a tree, the tree would have 1,750,000 leaves. Humans count for just one leaf on this tree.

Tree of Life is a dazzlingly illustrated and child-friendly introduction to biodiversity—the incredible variety of life on Earth—and shows how living things are classified, the five branches: Monera, Fungi, Protocista, Plants, and Animals. It also teaches how each species is important and how a problem with any one branch can affect the whole tree. Hardcover, 9.2" x 12.2", beautiful color illustrations, 39 pages.

(\*) EP450



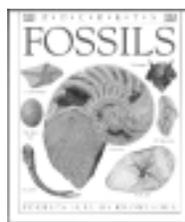
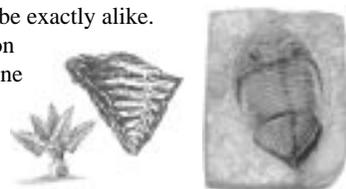
\$16.95

**FOSSIL COLLECTION**

This fossil collection contains one of each of twelve 1-2 inch fossils, including trilobite, dinosaur bone, fossil shark tooth and petrified wood, each in its own plastic bag with a card of information. Pairs of fossils from two collections are fun and challenging to match as no two will be exactly alike. Older children enjoy putting the fossils on the correct part of the Evolution Time Line which is the main chart for the Second Great Lesson (the Coming of Plants and Animals) in the 6-12 class.

EP13

\$12.00

**FOSSILS**

This old favorite pocket guide is the perfect reference for fossils. It provides clear, colorful illustrations, which look just like real fossils lying on the page, and is small enough to take along in field. Softcover, color, 4" x 5", 160 pages.

DP125

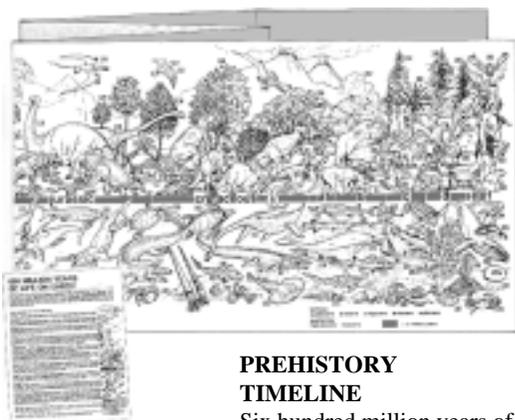
\$7.00

**DICTIONARY OF WORD ROOTS AND COMBINING FORMS**

This little book is cherished by students of the Montessori elementary course because it compiles from the Greek, Latin, and other languages, with special reference to biological terms and scientific names. Another important tool in the understanding of biology and the etymology of language in general which is of great interest to the child at this age. Softcover, 5" x 7," 135 pages.

EP281

\$13.50

**PREHISTORY TIMELINE**

Six hundred million years of life on Earth are laid out in this black and white timeline that is six-foot long and thirteen inches high. It represents the history of aquatic and terrestrial life from the Cambrian Period to the present.

There are 207 different life forms (including both plants and animals) drawn and numbered so that the names and definitions can be found on the accompanying literature. The timeline comes with a description of the periods, and suggested activities in the areas of language, social science and math. The timeline comes accordion folded.

EP14

\$7.50

## THE ARTS

*Imagination does not become great until a person, given the courage and strength, uses it to create.*

*If this does not occur, the imagination addresses itself only to a spirit wandering in emptiness.*

—Maria Montessori

All of the academic work in the elementary class is connected with and expressed by means of the arts. Instead of unrelated art and music lessons for the few, the techniques of creating in all areas (art, music, drama, dance, etc.) are taught by the teacher (often with the help of parents or specialists, but only when called upon by the students, for a reason), and then used to make learning exciting. There might be a play acting out the process of photosynthesis or the population of the world, a quilt made with

squares of leaf shapes as a school fundraiser, or a series of beautiful watercolors demonstrating the principles of geometry. Just as in all areas, the teacher is in charge of teaching the tools and the students of designing and executing the work.

When we look at the curricula of the past, the Greeks and the Tibetans for example, we see that music and dance, and the arts in general, were an important part of the classical education. This was

**ACTING & THEATRE**

Drama combines all of the other studies at this age. I was once thrilled to visit the 6-12 class of a fellow Montessori teacher to find that together the class was creating the story and costumes of an original play acting out photosynthesis!

This Usborne Introduction covers every aspect of theatre and will be an invaluable reference book even for adults. Chapters include: movement, voice, theatre games, mime, the set, costume, Stanislavsky; a new style, Oriental theatre, and much more. Softcover, 8" x 10", full color, 64 pages.

(\*) EA360 \$9.95

**MELODY HARP**

We first found this exceptional musical instrument at a Montessori teacher-training center. It is one of the best introductions to the skill of reading music. One simply places one of the song sheets under the strings, folds a tab to hold it in place, and plucks the string over the dots. Our *melody harp* is handmade in a violin factory in Belarus. The 12 song sheets include the words, so the child (or adult) can sing as she creates music on the harp. The tunable key makes it easy to keep the harp in tune. Contents: harp, 6 2-sided songsheets, pick, tuner, spare string. The harp is made of hardwood and is 15" x 5" x 2" in size.

(\*) EA400 Melody Harp \$34.00  
(\*) EA401 Additional Song Sheets, Set/6 \$5.00

**RISE UP SINGING**

Singing is a basic human need from childhood on, not to be limited to the "talented" few. Singing makes a person happy. It is a daily activity in many cultures, but in many places, where listening to music has replaced singing, children are missing out. *Rise Up Singing* is an important aid to bringing

song back to life, a superb collection of all of the traditional American historical songs, and many from other countries. We know people who carry it in their car at all times, and others who own multiple copies so that they have some to pass around at gatherings. We know of no other song book that encourages people to burst into song like this one. Have several copies in a 6-12 class to facilitate song fests, and for the interesting historical and geographical source information. From ballads to Beatles, Bob Dylan to Broadway, here are the words and chords to 1200 songs from all over the world. "A true treasure!" —Joan Baez. Ringbound, words and guitar chords, 7" x 10", 281 pages.

EA070 \$17.95

**THE WORLD'S GREAT CLASSICAL COMPOSERS**

A "family field guide" of 48 composers, in full color. These are long, 8.5" flashcards, with the image of the composer measuring approximately 4" x 5". It is possible to cut them up, mount them on cardstock and laminate them to make vocabulary cards. Or just keep them as is for a reference, for the child or the adult. There is a wealth of information printed on the front and back of the card about the life of each composer.

DM080 \$9.95

**COMPOSERS CARD GAME**

Thirteen great classical composers are represented and pictured in this card game. Part of a piece of important information is printed on each card, which makes sense only when one has collected and read the set of four cards of one composer—a rummy game.

EA11 \$6.00



**NOTE:** Many of the materials used for the 6-12 Arts studies can be found in the 3-6 section, pages 45-58.

developed over many years of trial and error. It was considered "back to the basics," perhaps because they had discovered that purely mental learning did not stick in the mind, and that the arts allowed a student to enjoy learning, instead of just cramming in facts for a test. Maybe they discovered that learning that was fun and creative was remembered and that children who look forward to enjoying school have a better chance of being successfully educated.

When information is processed in some active, musical or artistic way—graphs, posters, drawings, creating maps, songs, plays, and so forth, the knowledge becomes permanent and it strengthens the creative part of the brain. Processing means The Arts!

A student becomes interested in a topic, with the teacher or a few friends she designs the research, then settles down to read and gather information. Most projects are, in the end, presented to

the group in some form. Part of the group plan may be to decide who will do the art, the costumes, the music. Or an individual may work on something and present it as a song or poem, or a sculpted model. The work, whether it be in the field of geography, biography, history, math, or language takes the form of a project where the head and hand work together toward a creative, artistic expression. In order to learn in this way the child needs the tools and

### MUSIC TIMELINE—SIXTEEN FEET LONG!

A timeline that highlights music history from the Renaissance to the present, including classical, rock, and jazz greats. There are color portraits or photographs of many of the musicians, the dates of each, and a short biography. A Teacher's Reference is included.



We recommend ordering two of the timelines, one to cut up. Make a matching "blank" timeline out of a 16' x 8.5" strip of white paper; have the child place the cut out photos, biographies, and other labels on it, then match his layout to the original timeline. This timeline can also be combined with other card sets and information studied to show what else was happening in the world at the time of Mozart for example. 16 feet x 10.5".

EA250 \$16.00

### THE YOUNG PEOPLE'S BOOK OF MUSIC

Knowledge of and appreciation of the arts, as an expression of the thoughts and feelings of humans throughout history is a very important part of a good general education. In Montessori elementary classes it is woven into the timelines of humans. This history of music helps to fill in the adult's general knowledge and provides an excellent reference for young people in the home and the school.

The book we have selected, *The Young People's Book of Music*, does a great job of linking world music to Western classical music. There are many color pictures of instruments, costumes, and dance, and a timeline relates music and important events. Subjects include: western music, orchestral instruments, famous composers, the music industry. Softcover, 9" x 12", color, 125 pages.

EA180 \$12.95



### THE DOT

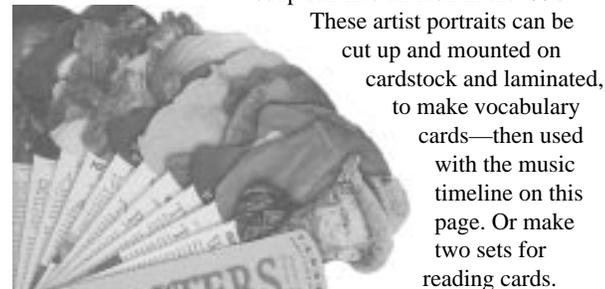
During my first year of teaching a Montessori elementary class, an 11-year-old who had "no musical training or interest" was inspired by a piece of music I often practiced in class, then, with very little guidance, she learned to play Chopin's Opus 64 #2 in one year—in class! Our children are full of surprises. In this charming little book that speaks to all of us who "have no talent in the arts," a teacher wisely encourages a student's first attempts, and initiates a flood of creativity. This cartoon formatted book is a result of the author's many years of helping children discover that, contrary to what they had begun to believe, we are indeed all artists in our own way. Hardcover, 8.3" x 8", full color, 28 pages.

EA055 \$14.00



### MASTERS OF WESTERN ART—PAINTERS

Here is a "family field guide" of Western painters in the form of 8.5" long "flash cards" in full color. There are 50 artists represented, from Giotto, the first modern painter, to Frank Stella and Andy Warhol, who turned a Campbell's soup can into an icon in the '60's.



These artist portraits can be cut up and mounted on cardstock and laminated, to make vocabulary cards—then used with the music timeline on this page. Or make two sets for reading cards.

There is a picture of at least one of the paintings, and biographical information for each.

DA060 \$9.95

uninterrupted time. The adult supplies art materials, the model, such as exposure to good music or art, long blocks of uninterrupted time, and respect for the child's ideas and expression.

When a child learns by combining academics and the arts the whole understanding of life—and development of the brain—makes a giant leap. There are no limits to avenues of creativity.

Not only are famous artists and musicians studied, but ordinary people

who bring the arts into their everyday lives. A child might interview parents, teachers, grandparents, to see what art forms they pursue as hobbies, what they did as children, and what are their dreams. One school we know selects a group art creation every year and auctions it off to raise class trip funds.

Studying the creations of other cultures, experiencing their dances and music, studying the reasons why different architectural forms developed, and

clothing or language, gives a child an understanding of the universality of human needs and expression.

When elementary-aged children reach adolescence they enter one of the most creative periods of life, and will create based on those talents they have begun to develop in these earlier years. The period of life between the age of six and twelve is the time to explore as many creative forms as possible.



#### FINE ART PUZZLES - 100 PIECE

There is nothing like spending hours examining the colors and shapes, the edges and corners, of puzzle pieces to bring the attention to the details of a famous painting. The quality of the art reproductions on these puzzles is exceptional, artworks having been made for many years by Platnik, a famous company in Austria. Information on the artists and their paintings—Franz Marc (Blue Horse), van Gogh (Sunflowers), Monet (Garden), and Degas (Ballet Star)—is printed on the box, in three languages! The finished 100-piece puzzles are approximately 14" x 15"

(*) EA380 Franz Marc	\$10.00
(*) EA382 van Gogh	\$10.00
(*) EA384 Monet	\$10.00
(*) EA386 Degas	\$10.00



#### BROWN BAG IDEAS FROM MANY CULTURES

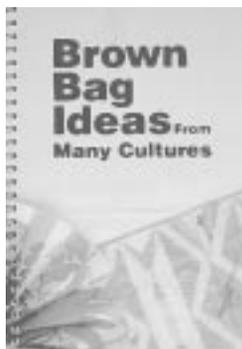
Here is an inspiring multicultural art

book which teaches children, by active participation, about the varieties of art in the world while helping the earth by recycling paper bags.

Examples are included

from all continents: African tribal beads, Ghanaian Adinkra cloth, Ethiopian magic scrolls, Dashikis, leather shields, bark cloth, Aboriginal bark paintings, Hawaiian tapa cloth, Javanese shadow puppets, Polish paper cuts, Mexican folk bark paintings, Kachinas, and more, 30 projects in all, with very clear directions, and a color picture of the finished project. All projects can be made from recycled paper bags. Softcover, color, 6" x 9", 137 pages.

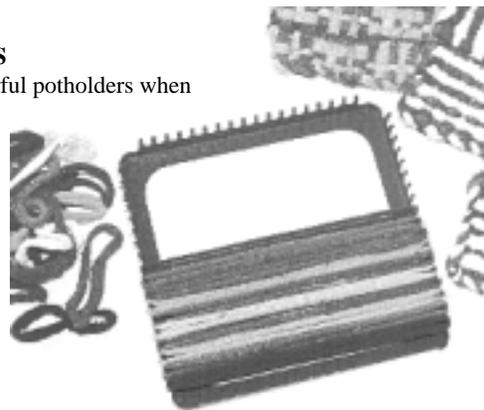
EA06 \$20.95



#### POTHOLDER LOOM & COTTON LOOPS

In our family we stopped making these wonderful potholders when cotton loops were replaced by those synthetic loops that shrank the potholder to 3 inches when it was taken off the loom! Now there is an improved metal loom which holds the potholder in place more securely, AND cotton loops. Includes loom, hook, directions and enough loops for three or four potholders. A bag of extra loops of assorted colors is also available.

EA010 Loom & Loops	\$13.00
EA012 Bag of Loops	\$6.00

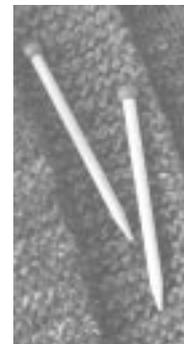


#### KNITTING SCARF KIT & BOOK

It is amazing to see the handwriting improve when boys and girls have learned the satisfying arts of crocheting and knitting. For crocheting simply get a ball of yarn and a crochet hook and teach the child how to crochet a chain (used in many ways - such as instead of ribbon for wrapping presents). For knitting this scarf kit contains step-by-step instructions, 2 wooden knitting needles, and enough 100% pure wool yarn to make a 58" x 4" scarf. The color is a blend of teal and complimentary colors.

The book *Kids Knitting* teaches 15 easy projects. Using straightforward language, easy-to-follow photos, and step-by-step instructions, beginners learn the basics, including finger knitting, casting on and binding off, the knit, purl, and stockinette stitches, knitting in the round, and shaping. Kids can have fun creating things they can actually wear or use, and it's an activity they can share with parents and friends. Projects include bookmarks, backpacks, bracelets, hats, socks, and scarves. Softcover, 9" x 8.25", color, 128 pages.

EA350 Knitting Scarf Kit	\$18.00
EA351 Kids Knitting (book)	\$12.95



## HISTORY, BIOGRAPHY, GEOGRAPHY

*Today those things which occupy us in the field of education, are the interests of humanity at large and of civilization. Before such great forces we can recognize only one country—the entire world.*

—Dr. Montessori

### GEOGRAPHY, HISTORY, & BIOGRAPHY

History, geography, and biography—the history of a people cannot be separated from the possibilities of the environment in which it develops, and the leadership of its great men and women.

In the beginning of each year the children are introduced to the study of humankind with stories, beautiful books, maps, posters, timelines and other research inspirations.

Throughout the six years in the elementary class, the child moves from the general to the specific in the following way:

Age 6-8, the emphasis is on prehistoric life, and plants and animals.

Age 8-10, the emphasis is on early civilizations, from tribal cultures and ancient civilizations to the development of modern cities.

Age 10-12, the emphasis is on the child's national and state history.

Of course all of these studies are going on at the same time and the child is free to follow her interests, no matter what the age.

History is essentially a record of how



### HUMAN EVOLUTION CHART

Six steps in human evolution, beginning with *Australopithecus africanus* of 3.68 million years ago, explores the life-styles and culture, migration patterns, relationship to other species, with captions and drawing of tools produced by each culture, and a globe showing where they lived. It can be cut up and taped into a horizontal timeline, or used as a control chart, a second chart is cut up in pieces, the child assembling it by memory. If you do this hang the complete chart on the wall, out-of-sight so the child must use and develop the memory. The goal is NOT up-to-date information, which is changing daily, but an impression of the past and an inspiration to further research. The chart is 24" x 36", full color, laminated.

(\*) EE150

\$15.00



### PERSPECTIVE THE TIMELINE GAME

We played this game for the first time over the holidays one year, and it became everyone's favorite (even though I lost every game to my husband and son).

There are 200 cards of events and illustrations. And a game board with four columns representing four historical periods: *ancient* (to 476 AD), *middle* (to 1588), *modern* (to 1900), and *20th century*. Drawing cards, reading them aloud, helping each other, putting them in order—what an

enjoyable way to get a verbal and visual impression of the order of historical events. The subject cards are interesting and the directions are clear. There are two levels of difficulty, for two to eight players. Contents: a 22" square, sturdy, folding game board, cards, die.

EH222

\$32.00

### THE KINGFISHER HISTORY ENCYCLOPEDIA

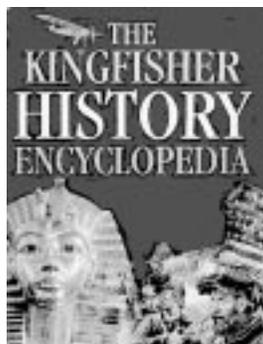
And the standard history *text*.

This is history of the whole world—not just Western Civilization. In describing the *classical* period of history for example, it says: *By about 100 B.C., the ancient world was dominated by four empires. The Roman Empire was the most powerful, stretching from Europe to North Africa, In the Far East, the Han dynasty controlled almost all of what is now China, and the Middle East was ruled by the Sassanids. In India, the Gupta family held power.*

Each section begins with a map of the world summarizing global events during that period. There are more than 3,500 indexed references and over 2,000 full-color illustrations. The writing is lively, stimulating curiosity and bringing history to life. Hardcover, 8" x 11", full color, 478 pages.

EH212

\$24.95

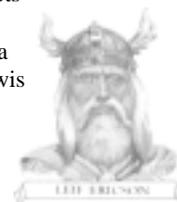


### EXPLORERS CARD GAME FOR TIMELINES

These cards can be used for card games, collecting sets of cards of fifteen great explorers: Leif Ericson, Marco Polo, Alexander the Great, Columbus, Magellan, Vasco da Gama, Sir Francis Drake, Champlain, La Salle, Cook, Lewis and Clark, Stanley and Livingstone, and Robert Perry. In elementary classes they are laid out on a timeline to get a visual understanding of explorations throughout history. A set of 52 cards, in color.

EH31

\$6.00

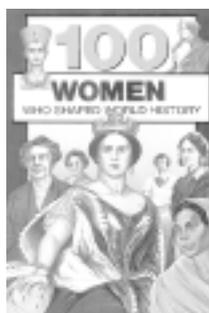


### 100 WOMEN WHO SHAPED WORLD HISTORY

History is populated with tens of thousands of people who have made a significant difference, but it is still difficult sometimes to find records of the women. *100 Women* is organized chronologically and meticulously researched. The black and white illustrations can be easily copied by children who use these books for reports or for history timelines. On each page there is one black and white drawing and the story of one great woman. Softcover, 6" x 9", 109 pages. Maria Montessori is included.

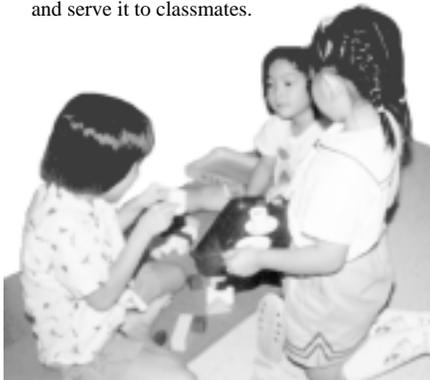
EH45

\$7.95



NOTE: Many of the materials used for the 6-12 History, Biography, Geography, studies can be found in the 3-6 section, pages 40-44.

Students in Taiwan make tea and serve it to classmates.



humans fulfilled their physical, mental, and spiritual needs. These can be thought of as: (1) physical needs: food, clothing, shelter, transportation and defense, (2) mental tendencies: work, exploration, creation, communication, play, and, (3) spiritual needs: self respect or self love, love of others, creative love and the love of God.

These subjects are also experienced subjectively in the classroom. For example, as the child learns about how different people obtain food, he learns to grow and prepare food. As he learns about

clothing he may learn to knit or to make clothing or costumes. He studies the arts of other cultures while developing his own musical and other artistic talents. And while studying the ethics and religions of other cultures he is exploring his own relationship with friends, family and God.

This creates, not only new abilities, but an empathy with members of other cultures in the present and the past.

### HEROINES

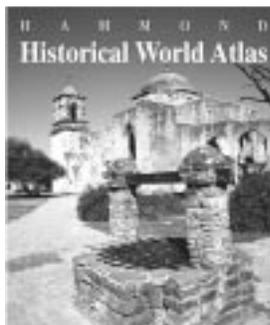
Today children need positive and inspiring role models more than ever. In this lovely hardcover book, you will find examples of women in different countries and who lived in different periods of history—

accompanied by illustrations in the artistic style of each period and place in which she lived, as well as maps locating and describing that world.

We think the choice of subjects is outstanding. The heroines include: Agnodice, Lady Murasaki Shikibu, Eleanor of Aquitaine, Joan of Arc, Queen Elizabeth I, Sacagawea, Harriet Tubman, Marie Curie, Anna Akhmatova, Madame Sun Yat-Sen, Amelia Earhart, and Frida Kahlo. Hardcover, 9" x 10.5", color, 79 pages.

**EH783**

**\$19.95**



### HISTORICAL WORLD ATLAS & TIMELINE

This valuable book provides the link between the study of history and the study of geography. At the end of *Historical World Atlas* there is an 8-page presentation of the *Timeline of Humans*. Imagine being able to turn to a map of the Middle East in 1350 B.C. to find the exact location of the Egyptian Empire and Babylonia, or the domain of Alexander the Great in 323 B.C. This book is a welcome addition to the library of a history enthusiast of any age, and will definitely aid the child's research on the world history. Hardcover, 9.5" x 12.5", color, 72 pages.

**EH210**

**\$16.95**

### WHAT'S UP? SOUTH! WORLD MAP

The 6-12 child is fascinated by this map! There is no reason, other than tradition, to picture the Earth with *north up*. Looking in a new way awakens us to the relationships between countries, and many more concepts.

This very large map, 56" wide, comes laminated and ready to hang and to inspire geography discussion and research. Vibrant color, with several Earth projections studied at this age pictured at the bottom.

(\*) **EH060**

**\$30.00**



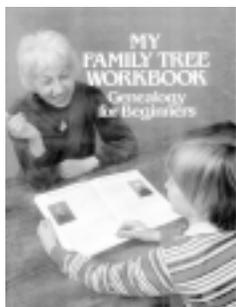
### FAMILY TREE WORKBOOK

#### My Family Tree

*Workbook* provides a very good outline to use in researching one's family. It can be filled in gradually, just as we would keep a family scrapbook, and kept as a family record. It teaches fundamental research principles, as it covers the child's personal history, family tree, immigrant ancestors, geography, foods, languages, music and more. Teachers often use this workbook for ideas or worksheets for following the interest of children in school. 8.5" x 11", workbook, 57 pages.

**EH40**

**\$3.95**



### GLOBAL PUZZLE

87% of Americans cannot find Iraq on a map! Children get a lot of map experience in the 3-6 class because of the puzzle maps, and sometimes not enough in the 6-12 class. This 600 piece puzzle will inspire the whole group to work together and relearn the countries. Our family enjoyed working on it for three evenings in a row and learned a lot. The assembled map is 3 feet long, with all 192 countries, many of them outlined as puzzle pieces.

**EH525**

**\$15.00**

*Those who do not remember the past are condemned to relive it.*

—George Santayana  
Philosopher, Harvard University

### AMERICAN HISTORY

American History begins with the study of those who first arrived on this continent, not the immigration of Europeans. It is the story of the Native Americans and the people from all over the world who have settled here.

American History Timeline: An excellent way to make this point is to take a long roll of adding machine paper and put the dates from, say 20,000 BC (or whenever humans arrived in North America according to the most recent archaeological findings) to the present.

Then make little cards with pictures and dates to show the relationship of events in time. Some suggestions are "crossing the Bering Straits," "Height of Aztec civilization" (and as many other

Native American events as you and the children can find) "Columbus arrives", "TV was invented" and so forth. Laying the cards gives an impression or overview of American History. Use timelines for any subject.

### BIOGRAPHY

The first "biographies" they study are their parents, their friends, and their teachers—and this begins early. As teenagers, our children will operate on information—about relationships,

### WRITE AND ERASE GLOBE

This special globe, called the geographer has endless possibilities for the family and the classroom. Keep track of someone you know who is on a trip, or a famous person on the go. Practice the names of continents, mountains, land forms, oceans, by writing them on this globe—seeing them in the correct perspective instead of a flat projection. The diameter of the globe is 12", with silver painted semi-meridian and base. A dry erase marker is included

(\*) EH341

\$59.00



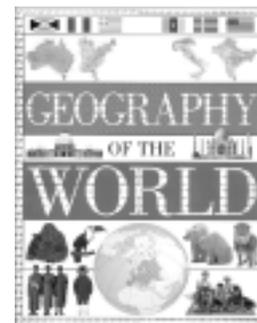
### GEOGRAPHY OF THE WORLD

The standard geography *text* in the 6-12 class, this book is kept up-to-date as the world changes and is an excellent reference. The clear, country-by-country layout makes it easily accessible and clear. There are more than 60 large-scale, three-dimensional maps, 900 full-color photographs, and 500 detailed artworks, charts, and diagrams, which bring these countries to life.

The subjects are chosen to invite exploration of children, but adults learn much from this complete work. Hardcover, 11" x 8.5", color, 300 pages.

EH150

\$30.00



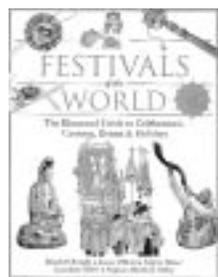
### FESTIVALS OF THE WORLD

When I return from a trip, this is one of the first books I open to learn. It explains, with interesting text, stories, maps, and pictures, the ways people celebrate the events and teachings of their faith, and how different cultures commemorate landmarks in their history. Contents: how festivals reflect the hopes, fears, and successes of humans; the teachings, stories, myths, legends and symbols

central to each festival; the foods, music, costumes, plants and animals associated with festivals. Festivals of Judaism, Christianity, Islam, Hinduism, Buddhism, Sikhism, Taoism, Jainism, Rastafarianism, the Baha'i Faith, Zoroastrianism, and Shintoism. Hardcover, 9.5" x 11.5", color, 150 pages.

EH077

\$29.95



### WORLD BINGO

For further practice in world geography, this bingo game is a favorite. It teaches instead of just testing. *World Bingo* is a simple, but very effective, way for adults and children to learn the names of features of the world. On each of the bingo cards there is an outline of the world map, and in each of the 25 spaces on each card, the name of a country, land or water form, or special feature from a particular area. Just as in regular bingo, the plastic discs are placed on the bingo card if it contains the feature selected. Contents: 30 cardboard, 7.5" x 7", bingo cards.

EH233

\$23.00



### TAKE OFF!

*Teach by teaching, not by correcting.* This game *teaches* geography where many merely *test*—we recommend it as the first world geography game. Having a general idea of where countries and cities are helps children grasp the meaning of events here and abroad. *Take Off!* is an exciting breakthrough in the teaching of world geography because it is entertaining as well as educational. The object is to "fly" an entire fleet of jets around the world along the colored route lines, and a lot of geography is learned during the trip.

Contents: laminated World Map (24" x 54"), 6 fleets of 4 jets (24 pieces), nearly 200 country profile cards, and 2 eight-sided dice, and rules. For 2-6 individuals or 2-6 teams.

EH560

\$33.00



marriage, parenting, teaching, working, honesty, love, and so on—that they learned from living with us! As our children go on to learn about the great men and women of the past it is important that we remind them that these people all started out as children—and that the potential to be great and to contribute to the world is in all of us.

Here is a quote which expresses this idea beautifully:

*Each second we live is a new and unique moment in the universe—a moment that was never before and will never be again. What we teach our children in school is  $2+2=4$  and Paris is the capital of France. When will we teach them what they are? What we should say to them is:*

*Do you know what you are? You are a marvel! You are unique! In all the world there is no other child exactly like you! In the millions of years that*

*have passed, there has never been a child exactly like you.*

*Look at your body, what a wonder it is! Your legs, your arms, your cunning fingers, the way you move! You may be a Shakespeare, a Michelangelo, a Beethoven . . . You have the capacity for anything.*

*Yes, you are a marvel. And when you grow up, can you then harm another who is like you a marvel?*

—Pablo Casals, Cellist

### UNITED STATES BINGO

If I had had this game when I was young I might know the difference between, and the geography of, the states of my own country! There are thirteen 5" x 7" bingo game boards like the *Pacific States* one to the left, each one illustrating a different region of the United States. There are 72 product/industry tiles—such as "Kansas-farming", *Alaska-fisheries*, *Wisconsin-milk & cheese*, *New York-apples*—so the player has to look for the state as well as the product or industry of that state, and in the process learns what states are next to each other and in what part of the country. Instruction card included.

(\*) EH600

\$14.00



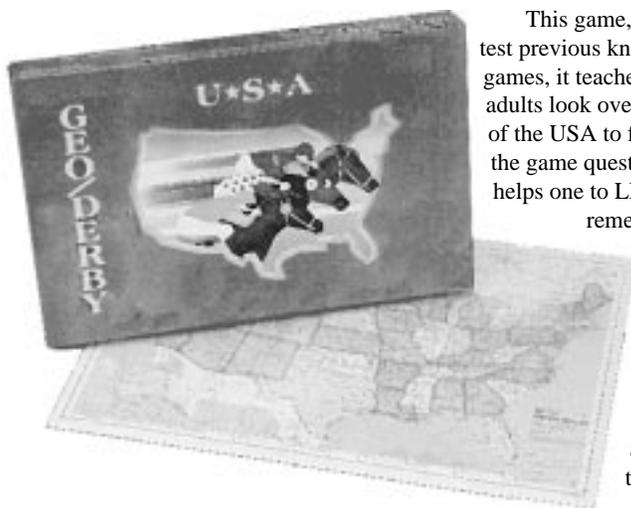
### USA STATES AND CAPITALS 100 PIECE PUZZLE

The strong and colorful metal box, with a hinged lid, keeps the jigsaw puzzle pieces safe, and the illustration on the cover is the control of error for the assembling of the puzzle. The Names of the states are printed in red, and the names

of the capitals in black in slightly smaller text, so the child can easily learn which is which. There is a black dot to show where each capital is. The box is 7.5" x 6" x 2" and the assembled puzzle is 18" x 12".

(\*) EH345

\$14.00



### U.S.A. GEOGRAPHY GAME

This game, *GeoDerby* does not test previous knowledge like many games, it teaches! Children and adults look over the enclosed map of the USA to find the answers to the game questions—this search helps one to LEARN and to

remember. The game can be played by one person alone, or up to four. The plastic horse game pieces travel around a race track as the questions are answered—hence the name *GeoDerby*.

EH66 \$25.00

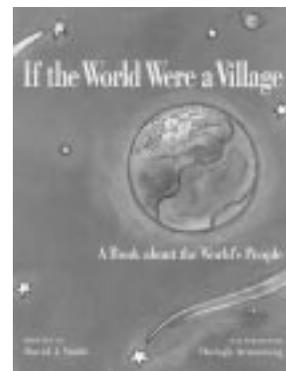
### IF THE WORLD WERE A VILLAGE: A BOOK ABOUT THE WORLD'S PEOPLE

When the child learns the detail of his own country, she will have more understanding for the rest of the world. This book is being used as the inspiration for history plays in many schools. Here are the facts: At this moment there are 6 billion people on the planet—but if we imagine the world as a village of just 100 people: 20 earn less than a dollar a day, 17 cannot read or write, 60 are hungry, etc.. Each 2-page layout focuses on one aspect, such as languages, ages, food, water, etc. There are teacher/parent notes on how to use this book, how to teach children about the global village.

This is a powerful picture book written by a teacher.

EH123

\$16.95

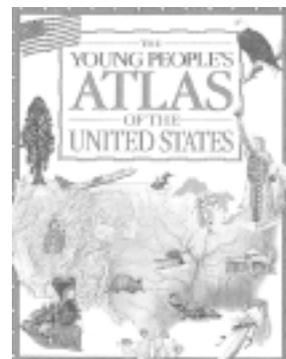


### YOUNG PEOPLE'S ATLAS OF THE UNITED STATES

US citizens are notorious for knowing nothing about their own country. This book gives our children a way to reverse this trend. It contains hundreds of full-color photographs, maps, state flags, birds, flowers and trees, major cities, the people, the geography, and landscape, and facts about each state. Each state's history is described along with a fact box of important information, with population, the date on which it became a state, etc. Hardcover, 11" x 14", color, 122 pages.

EH34

\$23.95



## THE ARTS

*Imagination does not become great until a person, given the courage and strength, uses it to create.*

*If this does not occur, the imagination addresses itself only to a spirit wandering in emptiness.*

—Maria Montessori

All of the academic work in the elementary class is connected with and expressed by means of the arts. Instead of unrelated art and music lessons for the few, the techniques of creating in all areas (art, music, drama, dance, etc.) are taught by the teacher (often with the help of parents or specialists, but only when called upon by the students, for a reason), and then used to make learning exciting. There might be a play acting out the process of photosynthesis or the population of the world, a quilt made with

squares of leaf shapes as a school fundraiser, or a series of beautiful watercolors demonstrating the principles of geometry. Just as in all areas, the teacher is in charge of teaching the tools and the students of designing and executing the work.

When we look at the curricula of the past, the Greeks and the Tibetans for example, we see that music and dance, and the arts in general, were an important part of the classical education. This was

**ACTING & THEATRE**

Drama combines all of the other studies at this age. I was once thrilled to visit the 6-12 class of a fellow Montessori teacher to find that together the class was creating the story and costumes of an original play acting out photosynthesis!

This Usborne Introduction covers every aspect of theatre and will be an invaluable reference book even for adults. Chapters include: movement, voice, theatre games, mime, the set, costume, Stanislavsky; a new style, Oriental theatre, and much more. Softcover, 8" x 10", full color, 64 pages.

(\*) EA360 \$9.95

**MELODY HARP**

We first found this exceptional musical instrument at a Montessori teacher-training center. It is one of the best introductions to the skill of reading music. One simply places one of the song sheets under the strings, folds a tab to hold it in place, and plucks the string over the dots. Our *melody harp* is handmade in a violin factory in Belarus. The 12 song sheets include the words, so the child (or adult) can sing as she creates music on the harp. The tunable key makes it easy to keep the harp in tune. Contents: harp, 6 2-sided songsheets, pick, tuner, spare string. The harp is made of hardwood and is 15" x 5" x 2" in size.

(\*) EA400 Melody Harp \$34.00  
(\*) EA401 Additional Song Sheets, Set/6 \$5.00

**RISE UP SINGING**

Singing is a basic human need from childhood on, not to be limited to the "talented" few. Singing makes a person happy. It is a daily activity in many cultures, but in many places, where listening to music has replaced singing, children are missing out. *Rise Up Singing* is an important aid to bringing

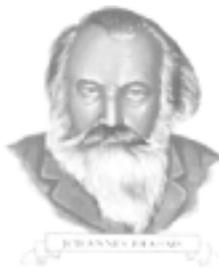
song back to life, a superb collection of all of the traditional American historical songs, and many from other countries. We know people who carry it in their car at all times, and others who own multiple copies so that they have some to pass around at gatherings. We know of no other song book that encourages people to burst into song like this one. Have several copies in a 6-12 class to facilitate song fests, and for the interesting historical and geographical source information. From ballads to Beatles, Bob Dylan to Broadway, here are the words and chords to 1200 songs from all over the world. "A true treasure!" —Joan Baez. Ringbound, words and guitar chords, 7" x 10", 281 pages.

EA070 \$17.95

**THE WORLD'S GREAT CLASSICAL COMPOSERS**

A "family field guide" of 48 composers, in full color. These are long, 8.5" flashcards, with the image of the composer measuring approximately 4" x 5". It is possible to cut them up, mount them on cardstock and laminate them to make vocabulary cards. Or just keep them as is for a reference, for the child or the adult. There is a wealth of information printed on the front and back of the card about the life of each composer.

DM080 \$9.95

**COMPOSERS CARD GAME**

Thirteen great classical composers are represented and pictured in this card game. Part of a piece of important information is printed on each card, which makes sense only when one has collected and read the set of four cards of one composer—a rummy game.

EA11 \$6.00



**NOTE:** Many of the materials used for the 6-12 Arts studies can be found in the 3-6 section, pages 45-58.

developed over many years of trial and error. It was considered "back to the basics," perhaps because they had discovered that purely mental learning did not stick in the mind, and that the arts allowed a student to enjoy learning, instead of just cramming in facts for a test. Maybe they discovered that learning that was fun and creative was remembered and that children who look forward to enjoying school have a better chance of being successfully educated.

When information is processed in some active, musical or artistic way—graphs, posters, drawings, creating maps, songs, plays, and so forth, the knowledge becomes permanent and it strengthens the creative part of the brain. Processing means The Arts!

A student becomes interested in a topic, with the teacher or a few friends she designs the research, then settles down to read and gather information. Most projects are, in the end, presented to

the group in some form. Part of the group plan may be to decide who will do the art, the costumes, the music. Or an individual may work on something and present it as a song or poem, or a sculpted model. The work, whether it be in the field of geography, biography, history, math, or language takes the form of a project where the head and hand work together toward a creative, artistic expression. In order to learn in this way the child needs the tools and

### MUSIC TIMELINE—SIXTEEN FEET LONG!

A timeline that highlights music history from the Renaissance to the present, including classical, rock, and jazz greats. There are color portraits or photographs of many of the musicians, the dates of each, and a short biography. A Teacher's Reference is included.



We recommend ordering two of the timelines, one to cut up. Make a matching "blank" timeline out of a 16' x 8.5" strip of white paper; have the child place the cut out photos, biographies, and other labels on it, then match his layout to the original timeline. This timeline can also be combined with other card sets and information studied to show what else was happening in the world at the time of Mozart for example. 16 feet x 10.5".

EA250 \$16.00

### THE YOUNG PEOPLE'S BOOK OF MUSIC

Knowledge of and appreciation of the arts, as an expression of the thoughts and feelings of humans throughout history is a very important part of a good general education. In Montessori elementary classes it is woven into the timelines of humans. This history of music helps to fill in the adult's general knowledge and provides an excellent reference for young people in the home and the school.

The book we have selected, *The Young People's Book of Music*, does a great job of linking world music to Western classical music. There are many color pictures of instruments, costumes, and dance, and a timeline relates music and important events. Subjects include: western music, orchestral instruments, famous composers, the music industry. Softcover, 9" x 12", color, 125 pages.

EA180 \$12.95



### THE DOT

During my first year of teaching a Montessori elementary class, an 11-year-old who had "no musical training or interest" was inspired by a piece of music I often practiced in class, then, with very little

guidance, she learned to play Chopin's Opus 64 #2 in one year—in class! Our children are full of surprises. In this charming little book that speaks to all of us who "have no talent in the arts," a teacher wisely encourages a student's first attempts, and initiates a flood of creativity. This cartoon formatted book is a result of the author's many years of helping children discover that, contrary to what they had begun to believe, we are indeed all artists in our own way. Hardcover, 8.3" x 8", full color, 28 pages.

EA055 \$14.00



### MASTERS OF WESTERN ART—PAINTERS

Here is a "family field guide" of Western painters in the form of 8.5" long "flash cards" in full color. There are 50 artists represented, from Giotto, the first modern painter, to Frank Stella and Andy Warhol, who turned a Campbell's soup can into an icon in the '60's.

These artist portraits can be cut up and mounted on cardstock and laminated, to make vocabulary cards—then used with the music timeline on this page. Or make two sets for reading cards.

There is a picture of at least one of the paintings, and biographical information for each.

DA060 \$9.95



uninterrupted time. The adult supplies art materials, the model, such as exposure to good music or art, long blocks of uninterrupted time, and respect for the child's ideas and expression.

When a child learns by combining academics and the arts the whole understanding of life—and development of the brain—makes a giant leap. There are no limits to avenues of creativity.

Not only are famous artists and musicians studied, but ordinary people

who bring the arts into their everyday lives. A child might interview parents, teachers, grandparents, to see what art forms they pursue as hobbies, what they did as children, and what are their dreams. One school we know selects a group art creation every year and auctions it off to raise class trip funds.

Studying the creations of other cultures, experiencing their dances and music, studying the reasons why different architectural forms developed, and

clothing or language, gives a child an understanding of the universality of human needs and expression.

When elementary-aged children reach adolescence they enter one of the most creative periods of life, and will create based on those talents they have begun to develop in these earlier years. The period of life between the age of six and twelve is the time to explore as many creative forms as possible.



#### FINE ART PUZZLES - 100 PIECE

There is nothing like spending hours examining the colors and shapes, the edges and corners, of puzzle pieces to bring the attention to the details of a famous painting. The quality of the art reproductions on these puzzles is exceptional, artworks having been made for many years by Platnik, a famous company in Austria. Information on the artists and their paintings—Franz Marc (Blue Horse), van Gogh (Sunflowers), Monet (Garden), and Degas (Ballet Star)—is printed on the box, in three languages! The finished 100-piece puzzles are approximately 14" x 15"

(*) EA380 Franz Marc	\$10.00
(*) EA382 van Gogh	\$10.00
(*) EA384 Monet	\$10.00
(*) EA386 Degas	\$10.00



#### BROWN BAG IDEAS FROM MANY CULTURES

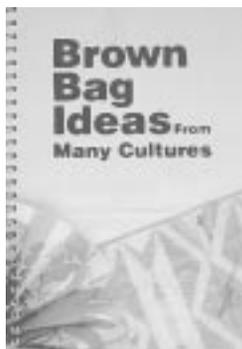
Here is an inspiring multicultural art

book which teaches children, by active participation, about the varieties of art in the world while helping the earth by recycling paper bags.

Examples are included

from all continents: African tribal beads, Ghanaian Adinkra cloth, Ethiopian magic scrolls, Dashikis, leather shields, bark cloth, Aboriginal bark paintings, Hawaiian tapa cloth, Javanese shadow puppets, Polish paper cuts, Mexican folk bark paintings, Kachinas, and more, 30 projects in all, with very clear directions, and a color picture of the finished project. All projects can be made from recycled paper bags. Softcover, color, 6" x 9", 137 pages.

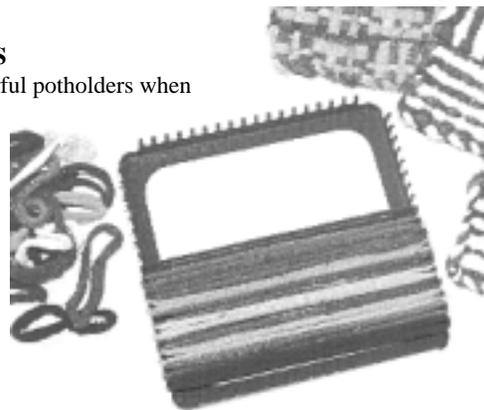
EA06 \$20.95



#### POTHOLDER LOOM & COTTON LOOPS

In our family we stopped making these wonderful potholders when cotton loops were replaced by those synthetic loops that shrank the potholder to 3 inches when it was taken off the loom! Now there is an improved metal loom which holds the potholder in place more securely, AND cotton loops. Includes loom, hook, directions and enough loops for three or four potholders. A bag of extra loops of assorted colors is also available.

EA010 Loom & Loops	\$13.00
EA012 Bag of Loops	\$6.00



#### KNITTING SCARF KIT & BOOK

It is amazing to see the handwriting improve when boys and girls have learned the satisfying arts of crocheting and knitting. For crocheting simply get a ball of yarn and a crochet hook and teach the child how to crochet a chain (used in many ways - such as instead of ribbon for wrapping presents). For knitting this scarf kit contains step-by-step instructions, 2 wooden knitting needles, and enough 100% pure wool yarn to make a 58" x 4" scarf. The color is a blend of teal and complimentary colors.

The book *Kids Knitting* teaches 15 easy projects. Using straightforward language, easy-to-follow photos, and step-by-step instructions, beginners learn the basics, including finger knitting, casting on and binding off, the knit, purl, and stockinette stitches, knitting in the round, and shaping. Kids can have fun creating things they can actually wear or use, and it's an activity they can share with parents and friends. Projects include bookmarks, backpacks, bracelets, hats, socks, and scarves. Softcover, 9" x 8.25", color, 128 pages.

EA350 Knitting Scarf Kit	\$18.00
EA351 Kids Knitting (book)	\$12.95



**LANGUAGE**

**CREATING**

**A LANGUAGE ENVIRONMENT**

A love of reading and writing comes about quite naturally for a child who grows up seeing other people tell stories and read, and who is often read to. Writing notes, grocery lists, thank you letters, and recording personal experiences and thoughts, by means of drawings and written stories, can begin at a very early age.

A nightly ritual of family reading (instead of watching TV) is a good way to make sure that there is time for all the

great literature and poetry that you might want to read to your child. In our family we as parents have filled in many a gap in our own knowledge of great stories and books by reading to our children.

Poetry brings more important elements into the child's language; there is a great increase in vocabulary when one delves into poetry. Even in the simplest forms words are used that are not common in prose. The music of poetry gives greater pleasure and facilitates memorization. Our favorite kinds of poetry are those that can be read aloud, like a Greek chorus, or which tell long stories, such as the Pied Piper.

It sometimes happens, however, that

a child becomes disinterested in reading on his own because he is afraid this nightly ritual will come to an end. To prevent this we can assure the child that we will continue to read as long as he desires. In our home we read to our children even during their teenage years, to the delight of all.

Reading well can take years, hopefully of enjoyable experiences, and a child continues to need to be read to. This is how he hears the correct pronunciation of new words, many new words which increase his vocabulary, the intonation and beauty of voice and expression of an experienced reader.

But most of all he needs, and perhaps



**BAR CHART LANGUAGE OUTLINES**

Dr. Montessori did not create a new curriculum; her genius was in creating a new way in which any required curriculum, in any country or state, can be presented to, and learned by, children. It is necessary for the teacher to keep up-to-date with current terms in teaching language, and the required syllabus. These "Bar Charts" are excellent as a review and guide of the present English studies in the USA. They are 8.5" x 11" sheets, between 2 and 8 sides, laminated, and hole-punched. For a complete list of Bar Chart Academic Outlines, see page 101.

- GB912 Sign Language \$4.95**
- GB913 Grammar/Punctuation \$4.95**
- GB914 Composition/Style \$4.95**

**NOTE:** Many of the materials used for the 6-12 Language studies can be found in the 3-6 section, pages 53-58.



**FAVORITE 6-12 STORY CD'S**

These stories told by Jim Weiss have remained favorites in our family for many years. Dr. Montessori recommended reading to children as they worked on art projects since it is not a good idea to expect all children to sit still for long periods of time. With these CD's the child can listen whenever he likes, while working or resting. These stories provide an excellent introduction to great literature and great ideas.

Here is a School Library review for the *Famously Funny* CD that will give you an idea of the incredible selection:

*Pleasantly urbane, as well as whimsically humorous, award-winning storyteller Jim Weiss inventively retells nine well-known stories and poems. The collection includes two Hans Christian Anderson selections, "The Real Princess" and "The Emperor's New Clothes," both gently updated and amusingly presented. Nonsense poems by Edward Lear, Lewis Carroll, and Hillaire Belloc are interspersed with an African trickster tale where Anansi outwits the other jungle creatures, and an Indian tale where a tiger, a Brahmin, and a jackal match wits. Weiss introduces each piece with information about the author or the story. The emphasis is on the comic nature of these classic works, and Weiss's smooth but energetic delivery enlivens these often-told tales.*

*Tales from Far and Near* includes stories from Native America, Japan, Spain, West Africa, China and the Arabic culture. The others are obviously important literature introductions for our children.

- EL300 Famously Funny \$14.95**
- EL301 Greek Myths \$14.95**
- EL302 Jungle Book \$14.95**
- EL303 King Arthur and His Knights \$14.95**
- EL304 Shakespeare for Children \$14.95**
- EL305 Tales from the Old Testament \$14.95**
- EL306 Tales from Cultures Far & Near \$14.95**
- EL310 6-12 Story CD Set/7 \$104.00**



never outgrows the need for, the love and the closeness, the personal attention from parents, a friend or a teacher, that comes with curling up with a book, picturing the magic scenes in his head with his eyes closed as he listens, and listens.

The child over seven is intensely interested in morals and heroes. Mythology provides a wealth of material for this exploration, and inspires discussion which will encompass behavior in everyday life, in the family, the class, and society.

### LEARNING TO READ

If a child learns to read in a motor-sensorial way with no pressure she may

learn before the age of five or six. But it is quite natural for a child not to show an interest until later. The most important thing is that learning be a relaxed and enjoyable experience.

When a child first begins to read independently, we never ask him to read aloud. To read a word while you are, at the same time, saying aloud the word you have just finished decoding, is a very complex operation and can cause a lot of stress—certainly not enjoyment.

We give beginning readers reading cards and vocabulary or word books to help them build up a large vocabulary with no stress.

The best first books are written about

the child's environment, about the real world—history, sciences, etc.—or are abridged classics which lead to an interest in great literature.

### CREATIVE WRITING

*I hear and I forget; I see and I remember: I write and I understand.*

—Chinese Proverb

A child who has had an active physical and mental life, with her whole body and with the hands in particular, will usually find writing easy. Running, hopping, cooking, gardening, sewing, drawing, all help to prepare for writing.

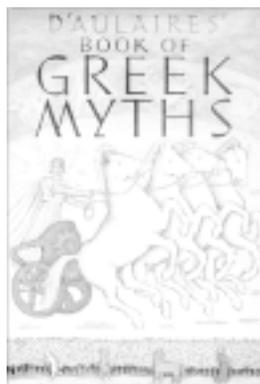
### D'AULAIRES' GREEK MYTHS

This has been the favorite introduction to Greek Myths for many years, not only because of the brilliant retelling of the stories, but for the lovely, humorous watercolor illustrations, and because the stories are just the right length to hold the attention of young people.

The myths include: Gaea, The Titans, Zeus and his family, the minor gods, and the mortal descendants of Zeus, such as King Midas, Oedipus, and Europa. Hardcover, 9" x 12", color, 192 pages.

EL90

\$29.95



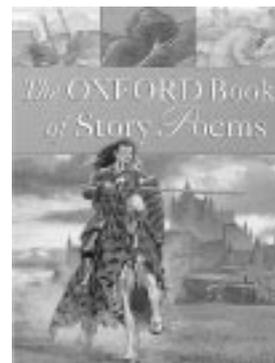
### THE OXFORD BOOK OF STORY POEMS

Poems which tell real stories, with a plot, are a wonderful way to interest children in poetry, and are an important part of learning to love great literature. Children listen because they really want to know what happens next.

*The Oxford Book of Story Poems*, which is considered the best first exposure to poetry for children, contains *Jabberwocky*, *The Walrus and the Carpenter*, *The Pied Piper of Hamelin*, *The Owl and the Pussycat*, and others. Softcover, 7" x 10", color, 173 pages.

EL690

\$16.95



### UNWITTING WISDOM,

#### AN ANTHOLOGY OF AESOP'S FABLES.

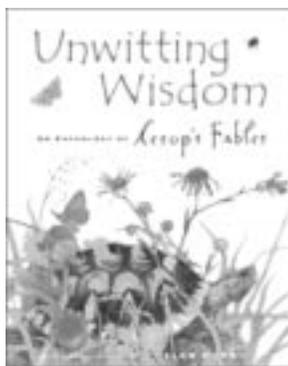
This is the most beautiful presentation of Aesop's Fables we have ever seen, and we review all of them. Each picture is a real work of art, and what memories these are going to create in the mind of the child.

Few stories have endured as long as the fables of Aesop. For over 2,500 years their simple stories and wry humor have entertained generations of children and adults alike, and their lessons have seeped into the very fabric of our language—with expressions such as "sour grapes" and "a wolf in sheep's clothing".

The stories are old but the titles new, and include: *sour grapes*, *the trappings of power*, *all dressed up*, *steady and slow*, *size isn't everything*, and *fools gold*. Hardcover, 10" x 12.5", color, 64 pages.

EL700

\$18.95



### MYTHS AND LEGENDS

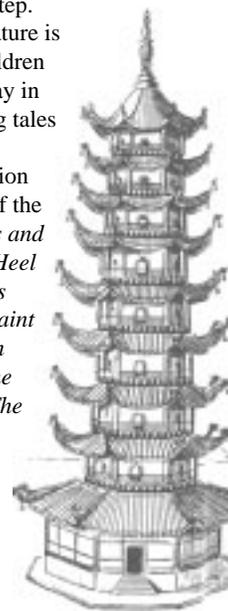
Just as the child is excited with his or her first "chapter book" this book is a first "adult" book, a paperback very much like those adults read, with very few pictures. Children notice and enjoy taking this step.

Even in mythology a multicultural approach to literature is important because we live in a world culture, and our children will need to be even more adept than we to make their way in this world. This is a superb collection of the most exciting tales of history. They appeal to the interest in morals of the elementary child, and they provide a marvelous introduction to the personalities, the religion, the thought of cultures of the

world. Examples include *Isis and Osiris* (Egyptian), *Achille's Heel* (Greek), *Romulus and Remus* (Roman), *The Dragon and Saint George* (English), *The Stolen Hammer of Thor* (Norse), *The Wishes of Savatri* (Indian), *The Great Bell of Peking* (Chinese), *Given to the Sun* (Inca), *Death and the Boy* (West African). Softcover, 5" x 8", black and white drawings, 247 pages.

EL84

\$6.95



When the child first begins to write we do not make corrections. We "teach by teaching, not by correcting." Instead we teach all the necessary skills through activities which are completely unrelated to the creative writing effort, as indirect preparation.

The following is a suggestion for teaching the spelling of words one will be most likely to use in writing:

### PERSONAL SPELLING DICTIONARY

Most of the words in the spelling lists usually given to children to learn are seldom really used. In Montessori classes the child constructs his "spelling dictionary" of words which are a part of

his individual writing vocabulary.

For this you can use a simple address book, preferably one without any writing in it, just the alphabetized tabs. Or you can cut tabs into the pages of a small notebook. Whenever a child comes to you for the spelling of a word, or if he asks you to check the words he has written and you find some misspelled, write these words—beautifully of course—in his spelling dictionary, words beginning with 'a' in the 'a' section and so forth. The next time he wants that word he will be able to find it in his own book. Eventually he will be able to find the words he needs in a regular dictionary and add them to his own book.

The children can have spelling tests among themselves to learn their own particular words. You will soon find that there are not so many words the child needs to learn to spell, and those will be the ones he always uses. This will gradually give the child confidence to use more varied words, because they will be in his own book – and his writing vocabulary will grow by leaps and bounds.

### HANDWRITING

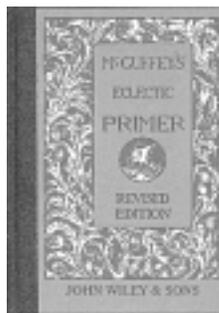
Beautiful writing has been a lost art in our country for many years but it is having a resurgence. Children feel very good about themselves and tend to write

### MCGUFFEY'S READERS

If your great-grandparents lived in the USA, they probably learned to read from the moral and high-level academic lessons, poems, and stories in these books which are making a comeback today. The *primer* begins with the alphabet, the *first* and *second readers* explore the child's relationship with family, teacher, friends, and animals. The *third reader* introduces the art of reading aloud, and dictionary definitions and the *fourth-sixth readers* teach punctuation marks, articulation, accent and inflection by means of hundreds of selections from Poe, Dickens, the Bible, De Foe, Louisa M. Alcott, Longfellow, Tennyson, Byron, Shakespeare and others. The *spelling book* is divided into 248 lessons. It is a phonics instruction book and has great spelling lists. McGuffey's Readers can be used as a study in the history of the USA, a source of good literature for reading to the child, a study of morals, and a wonderful set of readers. Hardcover, 5" x 7.5", 63-144 pages. Boxed set of primer and 6 readers. Separate Speller.

EL585 Boxed Set/7 Readers \$59.95

EL594 Spelling Book \$10.95



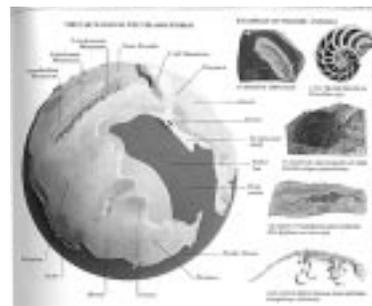
### ULTIMATE VISUAL DICTIONARY

This book serves three purposes in the elementary class. (1) An increase of the speaking and writing vocabulary is very important at this age. This book provides thousands of new words. (2) It is also a source of illustrations for children to copy freehand and use as part of their research presentations. (3) It is a wonderful *first reader*. Reading a single word which is printed next to the picture to which the word refers is a favorite way to begin to read a large variety of words, instead of the usual very limited vocabulary in beginning reading books.

In this illustration you see the vocabulary of the Triassic Period of the Evolution Timeline—a basic study of the 6-12 class. The subject matter in this book is incredible. Contents: the universe; prehistoric earth; plants; animals; the human body; geology, geography, and meteorology; physics and chemistry; rail and road; sea and air; the visual arts; architecture; music; sports; the modern world; and an appendix of maps, time zones, useful data such as measurements, and geometry. 640 pages of clear, colored illustrations (on white background for clarity), with terms and labels, providing not only reading practice, but inspiring curiosity, and increasing vocabulary. It is as interesting to adults as to children, and fun to share. Softcover, color, 8" x 9.5"

EL1025

\$18.00



### QUIDDLER "The Short word Game"

114 beautiful cards of single letters and combinations, decorated in illuminated manuscript style. The cards are dealt and players make words with their letters. We encourage personal variations—make a rule that one can use the dictionary to make up words. This makes exploring a dictionary really enjoyable. *Quiddler* is a simple game at first glance, but it can challenge even the most capable adult. In fact it was honored for excellency in the national Mensa competition. For any age.

EL103

\$13.00



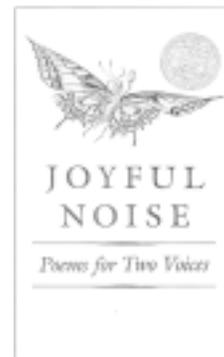
### JOYFUL NOISE POEMS FOR TWO VOICES

For cozy family evenings "poetry duets" are a very good introduction for children to the art of reading poetry. One feels like part of an ancient Greek chorus during those times when everyone wants to join in. Some of the lines are spoken together and some separately, resounding with the pulse of the cicada and the drone of the honeybee.

The vibrant pencil drawings send each insect soaring, spinning and creeping along with the words. There are thirteen excellent poems about insects, water striders, cicadas, honeybees—and so on. 44 pages, black and white, soft cover.

EL82

\$6.00



far more when they have been taught beautiful handwriting. Giving a child a new alphabet and a different kind of writing utensil often does wonders to inspire writing. The Italic script is very beautiful and a link between cursive and print. I have seen a child's cursive writing improve dramatically as he casually worked through a set of Italic workbooks over a period of years.

### THE HISTORY OF LANGUAGE

Through stories, pictures and beautiful carefully chosen books, we enable the child to begin to understand:

(1) The path traced by language, the growth and development of language—

through travel, colonization, commerce, war, etc.,

(2) How humans have given a name to everything found or made and how this process continues,

(3) How language constantly changes and why,

(4) How language expresses the creative force of humanity.

At this age children in many ways are repeating the history of humans on earth. They want to cook, sew, garden, begin to learn all of the skills of adults. Children and adults alike find it fascinating to trace the development of the language, to realize that in the past only a few people, sometimes only

priests, knew how to read and write. They find the connection between the migrations and other contacts between groups of people and the many different languages on earth.

### ETYMOLOGY

Etymology, or the origin and historical development of words, is fascinating to children at this age. It is a fine basis of learning to spell, and contributes to understanding the history of cultures.

In our family we have a very large dictionary always available on a special table in the living room. Nothing else is allowed to be put on the table so that the



### BEAUTIFUL HANDWRITING

We consider this series a real breakthrough in teaching children to love writing, and to be able to write beautifully. The first set, printed Italics, consists of an instruction manual and the first three workbooks of the series. The second set, cursive Italics and calligraphy, contains four workbooks. The child can take from one to six years to complete this depending on age and inspiration.

EL941	Instruction manual	\$10.75
EL942	Book A: Italics Print	\$8.75
EL943	Book B: Italics Print	\$8.75
EL944	Book C: Italics Print/Cursive	\$8.75
EL95	Set I (Manual, A, B, C)	\$36.50

EL951	Book D: Italics Cursive	\$8.75
EL952	Book E: Italics Cursive	\$8.75
EL953	Book F: Italics Cursive	\$8.75
EL954	Book G: Italics Cursive	\$8.75
EL96	Set II (Books D, E, F, G)	\$36.50

### CURSIVE CONNECTIONS

A simple and clear book for practicing cursive writing. There are no funny pictures or distractions and the book goes from "correct paper position," through letters, spacing, connections, first lower case, then capital letters, then both. Permission to copy pages included. Softcover, 80-page workbook, 11" x 6.5".

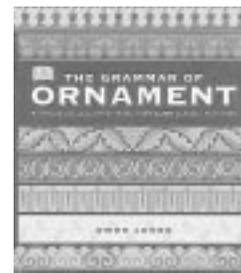
EL 580 \$9.95



### THE GRAMMAR OF ORNAMENT

In the Montessori elementary class reading and writing is taught in conjunction with the sciences and every other academic discipline. Also, the age old tradition of decorating work to make it beautiful is followed. When children first begin to make lists of words, or short poems and stories, they are encouraged to decorate the margins with beautiful designs in colored pencil. This makes a lovely memory book of work at the end of the year, and gives a child pride in his work. *The Grammar of Ornament* is the favorite book of inspiration for this work. It contains more than 2,350 original color engravings representing a vast range of ornamental styles, from Ancient Egypt and Greece to Imperial China. Softcover, 5.5" x 6.5," full color, 504 pages.

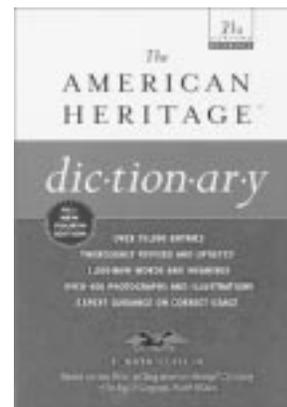
EL620 \$22.95



### THE AMERICAN HERITAGE DICTIONARY

There are so many dictionaries these days that it can be quite a problem to pick the best for the home and classroom. This one is the best in our opinion and we will always send you the most updated version available at the time you order. It is important for the adult to use it often to model for the child. We keep ours out on its own small table in the living room so that it is easy to consult, by children or adults. There are 10,000 words and definitions created by its panel of special consultants. The layout is clear and logical and there are 4,000 color photographs, maps, and illustrations. The cover depends on the edition. Hardcover, 7.5" x 10", 1557 pages.

EL630 \$60.00



### THANK YOU NOTES

Thank you notes are one of the most important tools for the child's writing practice. A combination of practical life, social skills, gratitude, and writing. How many times have we put off sitting down with a child to write the grandparents a thank you note for a gift until it is almost too late to be polite? Having printed thank you notes ready makes the task easy. These notes,

which have *thank you* printed on the front in six languages are a conversation piece in themselves, a lesson in languages for the child, and a quick and lovely way to communicate. A boxed set of 10 note cards and envelopes, made of fine, cotton fiber paper. Size: 3.75" x 5".

EL200 \$10.00



dictionary is always usable. We look up the etymology, or the origin of words, even more often than we look up the meanings. If you do not have a good dictionary and are planning to purchase one we recommend that you make sure that the origin of words is included along with the pronunciation and definition.

We often take names of people and places for granted, assuming that they existed from the beginning of time. Imagine the amount of history and geography one can learn from stories of how people and places were named!

Studying the history of names, first names and last names, is a wonderful way to interest children in language.

Most of us have completely lost touch with the history of our families for more than two or three generations, and have no idea how and why we are named what we are. This information can inspire a never ending study of language.

### GRAMMAR

As adults we may have unpleasant memories of learning grammar. Usually these studies were considered very difficult and taught at a period of life when we were not really interested in language. It works best to follow the child's interest and this is the time of life when children are very interested in the progress of civilization, including

language—including the structure of their own language.

Many great educators and philosophers have stated that there is nothing that cannot be taught if the student and the subject matter are well understood and creatively put in touch with each other. We try to make everything interesting, so that it will be enjoyed and retained.

**NOTE:** There are many language materials, especially reading books, in the 3-6 sections and other 6-12 sections of *Child of the World, Michael Olaf's Essential Montessori for 3-12+*.



### KID'S TRAVEL JOURNAL

What a great inspiration for writing. The child's name, age, address (and passport number if applicable) goes on the first page. There is space for planning and packing, and arrival, impressions, drawings, etc., for that all important first "journaled trip. Then there are many simple "Date and Place" pages that can be used for other trips over the years. Flexible cover with wire binding, 5.6" x 8", color, 128 pages.

(\*) EL404

\$10.00

### THE STORY OF WRITING

#### ALPHABETS, HIEROGLYPHS & PICTOGRAMS



This is the book elementary classes have been waiting for. *The Story of Writing* is a good book to demystify writing—perhaps humanity's greatest invention—for the general reader, explaining the interconnection between sound, symbol and script.

The major writing systems are discussed, from cuneiform and Egyptian and Mayan hieroglyphs to the alphabets and scripts of China and Japan today. "Proto writing," including Ice Age symbols, tallies and Native American pictograms, Greek, Roman, Hebrew, Arabic and Indian scripts, the Cherokee alphabet and the writing of runes are presented. There are over 350 illustrations, with 50 in color. Softcover, 8" x 10", color, 218 pages.

EL1126

\$19.95

### DICTIONARY OF IDIOMS

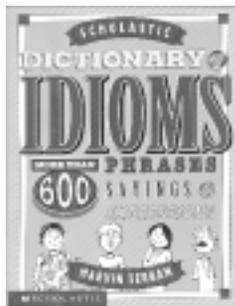
#### - MORE THAN 600 PHRASES, SAYINGS & EXPRESSIONS

Idioms appear in every language, and English has thousands of them.

*Let the cat out of the bag* for example, is an idiom which means *to give away a secret*. Centuries ago in England, it meant having been cheated at the market and coming home with a cat, instead of a piglet, which was not discovered until one let the cat out of the bag. *Let the chips fall where they may* means to do the right thing, and in the 1880's admonished woodcutters to concentrate on doing a good job of cutting down the tree instead of worrying where the wood chips would fall. Studying idioms makes children more aware of language today, and the history of language, and improves one's own writing. Softcover, 6.25" x 8.25," 230 pages.

EL1180

\$8.95

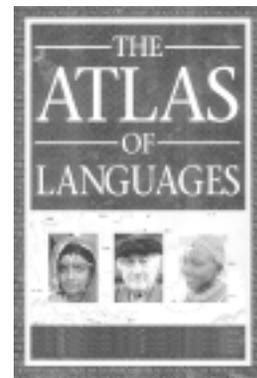


### THE ATLAS OF LANGUAGES

This book follows the Montessori curriculum of connecting the development of language with the history of migrations and explorations of groups of people. It presents a detailed and well illustrated account of the language families of each region of the world, interesting features of grammar, and historical and cultural background. The writing systems of the world, and over two hundred languages, are also examined in detail, and illustrated with maps and artifacts. A valuable research tool for language and the history of humans in the last 5,000 years. Hardcover, 9" x 12", color, 218 pages.

EL080

\$35.00



### READING CAN BE FUN

First published in 1953, this book contains lessons just as timely and enduring today. Munro Leaf's style of stick-figure drawings and wholesome text, demonstrates that reading really can be fun and educational at the same time. As he describes, "The whole wonderful story of the past and the interesting days we live in now." Children learn, as they laugh at the humorous explanations and drawings, that books can be best friends, a source for good ideas, a vehicle for exploring faraway places and meeting all kinds of people, and help in growing up. Hardcover, black and white, 7" x 9", 45 pages.

(\*) EL401

\$14.95



# PREPARING A LEARNING ENVIRONMENT

## PREPARING THE ENVIRONMENT

Constant preparation and adaptation of the environment to the ever-changing needs and tendencies of growing children is essential in the Montessori method of raising and educating children. The first consideration is physical safety, and

then the proper support for free movement, exploration, making choices, concentrating, creating, completing cycles—all of which contribute to the optimum development of the child.

Natural materials instead of plastic, and attention to simplicity, muted colors, plants, beauty, all contribute to the mental and physical health of both the child and the adult. To show respect for the developing sense of beauty, to aid the

growing independence, and to inspire the child to activity, we choose the best of everything for the environment.

### AGE 3-6:

Children at this age often prefer to work on the floor instead of at a table—on rugs or pieces of carpet which can be rolled up or put out of the way when not in use. This marks the work space just as would a table.

## WOODEN TABLES AND CHAIRS

A good, solid, well-tested, proportionally correct table and chair is one of the most important investment parents can make and the Montessori class has several different heights for to fit every child in the age range. It is very important to have a variety of table and chair heights in the classroom in order to support the best posture, with feet flat on the ground.

**TABLES:** These tables are constructed of hardwood (birch and maple) with scrubable, white formica tops—square, rectangular or circular plywood. All tables are 22 inches tall. The square table top is 24" across. The circular table top is 30" in diameter. The rectangular table top is 22" x 30".

<b>DR810 Square 3-6 Table</b>	<b>\$134.00</b>
<b>DR820 Circular 3-6 Table</b>	<b>\$136.00</b>
<b>DR830 Rectangular 3-6 Table</b>	<b>\$149.00</b>

**CHAIR:** The chair is sturdily made of solid maple. The height of the seat is 12."

The back legs are slightly curved to prevent tipping backwards. it is strong enough for some adults to join the child at the table, made to withstand many years of use. NOTE: All furniture is special ordered, comes separately from the rest of your order, and the additional shipping required for heavy hardwood is included in the price.

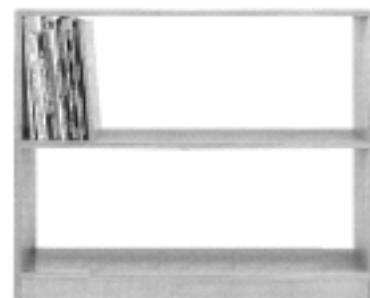
<b>DR845</b>	<b>\$75.00</b>
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### STOOL

This matching stool is an excellent alternative to more expensive natural wood chairs. It is 12" tall, the seat 10" in diameter. NOTE: The additional shipping required for heavy hardwood is included in the price.

<b>DR840</b>	<b>\$34.00</b>
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### SHELF

Wooden shelves help a child organize and learn to put toys and books, art materials, musical instruments, even clothing or dishes and glasses where they belong. If possible it is grand to have some kind of shelving for the child in the bedroom, the living room, the kitchen, even in the garage for gardening and work shop equipment.

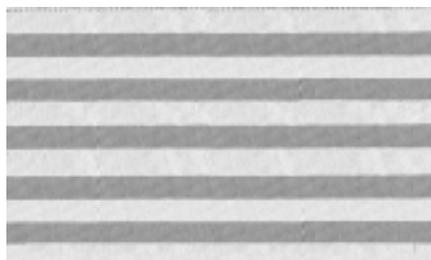
This shelf is open at the back so it can be approached from both sides for use as a low space divider. It is made of beautifully finished plywood, the finish strong enough to withstand years of washing (and shelf-washing is a preferred and very useful practical life exercise in the classroom and in the home). The open multiuse shelf is 36" wide, 15" deep, and 24" high. NOTE: The additional shipping required for heavy hardwood is included in the price.(Special order. Allow up to a month for delivery.)

<b>PE730</b>	<b>\$155.00</b>
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## STRIPPED FLOOR MATS

These special stripped floor mats help children keep cards, blocks, and other materials orderly, fulfilling a special need at this age. They are perfect for the child who is writing words with movable letters.

The unrolling, working, then rolling up and putting away at the end marks the beginning and end of a work cycle, and provides a feeling of completion and success. Floor mats also mark the private work space, and teach respect for concentration. An activity that teaches children to be careful about stepping on mats and disturbing other's space is to spread out several mats and to practice walking through this maze of mats without stepping on them. This is an exercise in care of movement as well as respect of others. For use at home or at school. These beautiful striped rugs are made to our specifications in India, of 100% cotton, 2' x 3',



<b>PE024 Yellow &amp; White Striped Floor Mat</b>	<b>\$18.00</b>
<b>PE026 Blue &amp; White Striped Floor Mat</b>	<b>\$18.00</b>

## PREPARING A LEARNING ENVIRONMENT

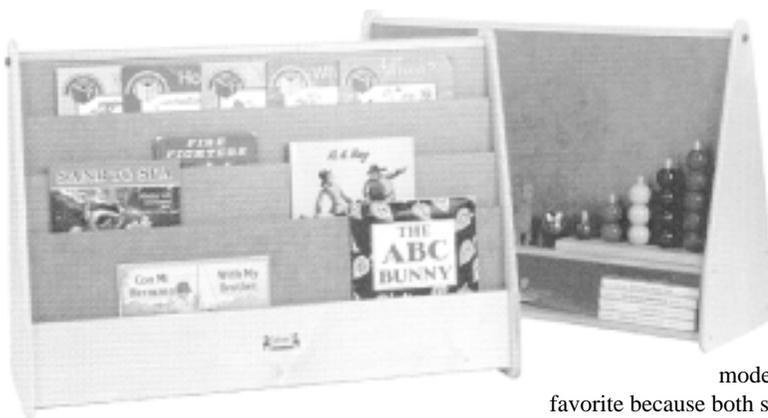
In the classroom and in the home toys, books, and materials are attractively arranged on trays and in baskets, on natural wood or white shelves according to subject— language, math, geography, history, science, music, and art. Each object has a special, permanent place so that children know where to find it and where to put it away for the next person when finished. Tables and

chairs that support proper posture are important at every age.

### AGE 6-12:

At this age the child engages in many projects and needs a place, such as a clipboard, or a special cubby or shelf, to keep work. He needs the choice of spaces for silence or talking as each child has different needs for concentration and work.

Whereas at age 3-6 the world was brought into the *house of children*, now the child begins to go out into the world, for field trips such as shopping at the grocery store for a cooking project, getting office supplies for the classroom, interviewing subjects for history projects, or visiting museums, and so forth. And so the preparation of the environment includes more experience in the outside world.



### BOOK STAND

A book stand displays books to which the parent or teacher would like to draw the child's attention. It also increases the lives of your books because children learn to handle them much more carefully. This

model of book stand is our

favorite because both sides are usable and it can function as a low wall, closing off a private book corner or nook.

It is a good height for children at both preschool and elementary school age. It is made of fine birch plywood, with a Masonite backing, and will last for years. It is 32.5" wide, 14.5" deep, 24" high, with added storage in back for toys. NOTE: The additional shipping required for heavy hardwood is included in the price. (Special order. Allow up to a month for delivery.)

**PE720**

**\$150.00**

### TRAY CUBBIES

In Montessori schools the emphasis is on doing one's best, and enjoying work —on the process, NOT on the product. Children do not take work home every day because that puts the emphasis on the product and they begin to do quick and messy art or other work just to have something to take home!

Instead, they have a place to put everything they make, after signing and dating it (at first with the help of the teacher). Periodically, with the teacher, each child picks out the best example of each kind of work for the teacher to save. Each child then makes a lovely folder and takes his work home in it at the end of each semester or each year.

This cupboard is perfect for enabling children to keep their daily work safe and in good shape until it is sorted with the teacher. The trays are 11" wide, 13.5" deep, and 3" high. The wood is fine birch plywood like most of our furniture, making it a lovely cupboard or room divider. The overall size of the cupboard is 24.5" inches wide, 15" deep, and 35.5" tall. It is *caster mounted*, which means that it rests on hidden wheels to make it easy to move. The Tray Cubby comes with 12 clear plastic paper trays. NOTE: The additional shipping required for heavy hardwood is included in the price. (Special order. Allow up to a month for delivery.)

**PE610 Tray Cubby**

**\$345.00**

**PE614 Extra Paper Tray**

**\$6.00**



### MICHAEL OLAF WOODEN FRAME

We have this beautiful hardwood frame made to fit the large laminated picture collections (sets of 10) you find in *Child of the World* and *Joyful Child*. It is open to the front and at the top, with a solid wood back, so that one can easily slide out the pictures to rotate them, and keep them safely together in the frame.

Dimensions: 13.2" x 13.2"

**PE300**

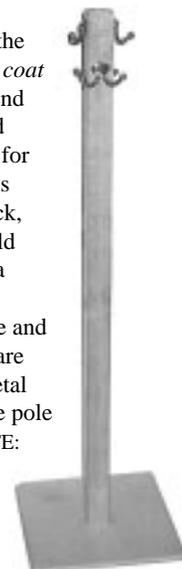
**\$29.00**

### COAT TREE

Children love the name as well as the *coat tree*. We recommend this for pajamas and bathrobe, for coats, for costumes, for aprons and towels, backpack, for anything the child uses often and needs a place to hang it up for himself. For the home and the classroom. There are four sets of double metal hooks on a hard maple pole which is 48" tall. NOTE: The additional shipping required for heavy hardwood is included in the price.

**PE600**

**\$57.00**



# PREPARING A LEARNING ENVIRONMENT

## ENVIRONMENTS IN THE HOME

There are two important things to keep in mind in organizing a child's environment in the home.

(1) Have a place in each room for the few, carefully chosen child's belongings: By the front door a stool to sit on and a place to hang coats and keep shoes. In the living room a place for the child's books and toys—neatly, attractively organized. Think out the activities and the materials for all living spaces and arrange the environment to include the child's activities.

At home, or in the classroom, extending the living and working space to the outside is food for the child, both mentally and physically.



## CURVED WOODEN CARD DISPLAYS

These wooden displays turn a travel or art postcard into a piece of art and a focus of conversation. They are also used to display vocabulary cards, for example the parts of a leaf in the fall when leaves are changing color. They are carved from light hardwood with a fine finish that shows the wood grain, the large display 20" long and the short one 10".

- PE776 20-inch Display \$12.50
- PE775 10-inch Display \$7.75



## MICHAEL OLAF TRAY

We have seen trays of similar shape but never this quality for such a good price. Unable to find the *perfect* tray for the classroom, we have had them custom made.

The lovely, high quality, hardwood trays, are one of the most popular items we carry. They are perfect for organizing and displaying all of the many activities for the child. The light wood tones draw the child's eye to the objects displayed on them and there is a handle at each end for a firm hand grasp. Each piece is handmade and finished with a clear finish that gives the child a good look at the lovely grain of the wood. The small *handle* tray is 8.5" x 5." The large *handle* tray is 11.75" x 7."

- PE05 Handle Tray, Small \$18.00
- PE03 Handle Tray, Large \$22.00



NOTE: The Michael Olaf 2-part tray is on page 54.

## COLORED LACQUERED TRAYS

We are very excited about these trays because the color attracts the child in the home, and helps the teacher color-code activities in the classroom. The jury is not in on the effect of too much handling of plastic on children so we are always thrilled to find beautiful alternatives. These trays are made of wood, then stained lovely colors, and covered with many layers of clear lacquer, the wood grain clearly visible. The size is 10" square. You may want to order one of each at first to see which attract your children. Adults will love them too for individual snack trays and tea trays. The size is 10" square.

- (\* PE510 Black \$14.00
- (\* PE512 Turquoise Blue \$14.00
- (\* PE514 Yellow \$14.00
- (\* PE516 Brown \$14.00
- (\* PE518 Green \$14.00
- (\* PE520 Red \$14.00
- (\* PE522 Terra-Cotta \$14.00
- (\* PE525 Set/7 \$95.00



## JAPANESE TRAYS

For many years beautiful lacquerware has been made in the Orient. First the trays are carved from wood, and then painted with many layers of lacquer, creating a beautiful gloss. Today, because of the prohibitive cost of traditional lacquerware, a substitute has been created, the basic construction of plastic, but with the same beautiful lacquer finish. Here are three small trays which can be used in a number of ways in the classroom—especially in the practical life and language areas. They can be used at home for organizing shelves and serving food. They are of three styles. One is plain black, the second has a gold edging and a traditional gold flower motif, and the third a gold edging and traditional gold cranes motif. 7.5" x 5".

- PE456 Small Black tray \$5.25
- PE580 Small Gold Flower \$5.25
- PE590 Small Gold Cranes \$5.25



# PREPARING A LEARNING ENVIRONMENT

(2) Don't put out too many toys and books at one time. Those being used by the child at the moment are sufficient. It is a good idea to rotate—taking out those books and toys that have not been chosen lately and removing them to storage for a time. Children grow and change and they need help to keep their environment uncluttered and peaceful.

## THE ENVIRONMENT AND THE MIND

Everyone at every age is affected by their environment. Habits of organizing the environment reduce stress and aid the development of an organized, efficient, and creative mind. The Chinese art of placement, or *Feng Shui*, teaches that clutter, even hidden under a bed or piled on the top of bookcases, is bad for a person.

A child who joins in the arrangement

of an environment, at school or at home, and learns to select a few lovely things instead of piles of unused toys, books, clothes, etc., will be aided in many ways with this help in creating good work habits, concentration, and a clear, uncluttered, and peaceful mind.

## THE ADULT

The adult model is always the most important element in the environment. It is from observing what we do, not what we say, that the child will learn.

### MULTIUSE BASKET WITH HANDLES

These handy baskets are woven in China from the red fern plant and are very easy for even the smallest child to use because of the ease of carrying, for example helping with the laundry at home or in school. The baskets are finished with a protective coating, and the handles reinforced. The large basket is 12" in diameter across the top, and the smaller one 9.5".

**PE760** \$7.00  
**PE762 Small Basket** \$6.00



### PLASTIC BOXES

These handy plastic boxes come in the most useful sizes for the classroom. They are also used by teachers for the many little replacement parts and to file language cards for easy access to rotate cards within sets periodically, and for language labels, math, practical life materials, beads, buttons, and so on.

All of the boxes are made of clear, sturdy plastic with a lid that is easy to remove. This fitted cover is recommended instead of hinged boxes, because hinges wear out and break.

- (1) The large 6" Box is 6" x 6" x 1", and used for many of the language cards in the classroom.
- (2) The 3" Box is 3" x 3" x 1.75"
- (3) The Deep 2.5" Box has many uses, for the heavy cardstock "memo games" that are found in the catalogue, and for other tiny objects in practical life and art projects.
- (4) The Shallow 2.5" Box also fits the memo game cards and are often used for keeping just a few cards in continent boxes in the classroom.

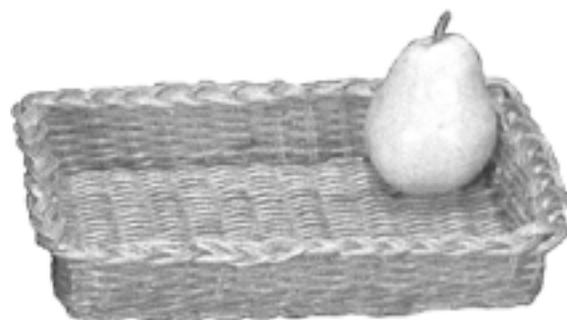
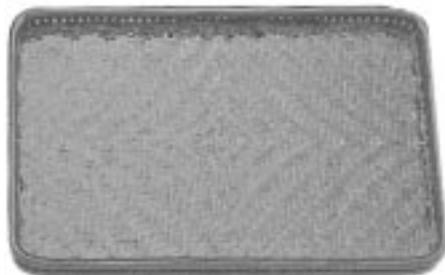
**PE35 6" Box** \$1.50  
**PE410 3" Box** \$1.25  
**(\*) PE465 Deep 2.5" box** \$1.00  
**(\*) PE466 Shallow 2.5" box** \$1.00



### WOVEN TRAYS, SET/2

These handy trays are made of dark brown grasses and bamboo, then covered with many coats of lacquer. They add a lovely touch to the environment. The smaller one is 11.5" x 7", and the larger is 13.5" x 8.5".

**E435**  
**Set/2 \$18.50**



### BASKET/TRAY

This small rattan tray is a very practical size for lining up on shelves—have several on the toy shelves at home for blocks, beads, other toys, in the bedroom for sorting clothing, or on the kitchen shelves in the home to teach the children organization and to make cleaning up quick and enjoyable.

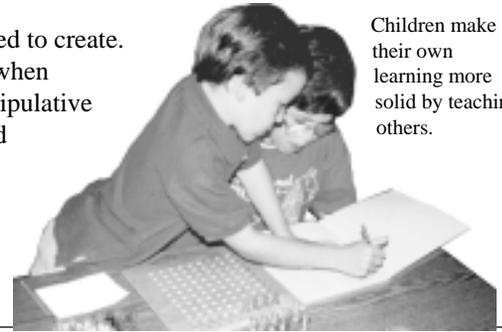
In the classroom they are used for art paper, spooning and other practical life exercises, and for transporting materials from the shelves to the floor mat or tables. Made in Hong Kong, China, 8" x 11.5".

**PE500** \$6.50

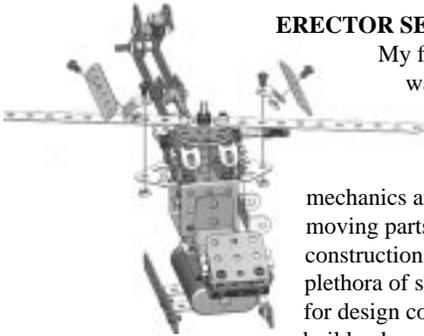
**GEOMETRY, MATH & INVENTION**

Geometry, math, and invention are languages used to explore and manipulate, to theorize and create, real objects in a real world. At this age children continue to enjoy exploring math and geometry concepts if they are related to real life, and if they are presented with materials which

can be handled, manipulated, used to create. We must keep sight of this fact when teaching children. We give manipulative materials in all areas of math and leave it to each child to decide when she is ready to work without materials—in the abstract—on paper with pencil.



Children make their own learning more solid by teaching others.

**ERECTOR SET - 20 MODEL SET**

My favorite memories of playing with toys with my father when I was young was with an erector set very much like this one.

Since 1913, this classic toys have been challenging builders of all ages as it inspires observation, deductive reasoning, logical thinking, and the principles of mechanics and physics. Erector Set 20 features simple & sophisticated moving parts. A 3 Volt motor and gear box makes for faster & easier construction than ever. The child will create ingenious movement with a plethora of shiny steel girders, plates, nuts & bolts, wheels. Possibilities for design construction are virtually endless. Everything is included to build a dragster, ditch digger, helicopter, hot rod, lunar module, and more.

Contents: 261 Parts, 3 Volt Motor (2 AA batteries not included), illustrated instructions.

(\*) EM506

\$41.00

**MECHANICS AND PHYSICS BOOKS**

In a very easy-to-understand fashion, and with common examples from the life of the child, each of these books explains one type of simple machine to children. Each page has a definition of the scientific words and clear color illustrations. Suggestions for further exploration are included in the back of the book. They are a standard part of the classroom library, often interesting to the younger child as well. Reinforced library binding, 8.5" x 8.2", full color, 24 pages.

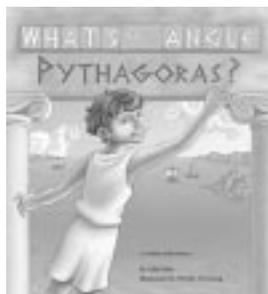
(*) EM580 <i>Inclined planes</i>	\$15.95
(*) EM582 <i>Lever</i>	\$15.95
(*) EM584 <i>Pulleys</i>	\$15.95
(*) EM586 <i>Screws</i>	\$15.95
(*) EM588 <i>Wedges</i>	\$15.95
(*) EM590 <i>Wheels and Axles</i>	\$15.95
(*) EM594 <i>Mechanics/Physics Set/6</i>	\$94.00

**WHAT'S YOUR ANGLE, PYTHAGORAS?**

The square of Pythagoras is a favorite lesson in the Montessori 6-12 class, and this book gives a delightful history and over view of how a curious boy who lived in Greece long ago discovered a secret of the right triangle. It is a story, with delightful illustrations, a clever introduction to the Pythagoras Theorem. Softcover, 8.5" x 9.5", 32 pages.

EM710

\$6.95

**INVENTORS CARDS**

Geometry, math, and invention is intertwined. Important inventions pictured on this regular deck of playing cards include the cotton gin, steam locomotive, mechanical grain reaper and electric telegraph. This deck of cards includes thirteen inventors, four inventions each, to be used as a rummy game or on a history timeline. To make a timeline: roll out a long piece of adding machine paper, write dates from BC to AD, lay out the cards and show children how recently many inventions have become available.

EM05

\$6.00

**THE STORY OF CLOCKS AND CALENDARS**

Here is the story of how, over thousands of years, calendars and clocks came to be. Learn about the long, and amazing history of the Gregorian calendar itself, and why we celebrate the arrival of millennium. Follow the history of how humans have marked and recorded time, from the very beginning of our history, all over the world—from calendar sticks, bone records, Stonehenge, Egypt, the Chinese and the Maya, to time zones and computer problems at the turn of the century. Softcover, 9.5" x 11.5," color, 47 pages.

EM190

\$7.00

**BAR CHART MATH OUTLINES**

No what the manner of teaching, it is necessary for the teacher to keep up-to-date with current terms in geometry and math, and the required syllabus. These "Bar Charts" are excellent as a review and guide of the present math studies in the USA. They are 8.5" x 11" sheets, between 4 and 8 sides, laminated, and hole-punched. For a complete list of these academic outlines, see page 101.

GB916 <i>Geometry, Part I</i>	\$4.95
GB917 <i>Geometry, Part 2</i>	\$5.95
GB918 <i>Weights &amp; Measures</i>	\$4.95
GB919 <i>Math Review</i>	\$4.95



**NOTE:** Many of the materials used for 6-12 *Geometry and Math* were introduced in the 3-6 section.



This abstract work is a higher mental level of work, which comes naturally after the child has learned to picture the object being measured or related to other objects in her mind.

In the elementary class stories are told and experiments carried out to show children how humans used their imaginations in the past, and how they

are using them today, to solve problems and come up with great inventions—the use of fire, measuring the earth, compasses, boats, and many others. They see how inventions, geometry and math came about as the result of human progress, to meet specific needs.

Geometry, for example, arose from the practical need to reestablish planting

boundaries after the annual flooding of the Nile in Egypt. In “geometry,” “geo” stands for “earth,” and “metry” for “measure.”

Children of this age love to reach back into history with their imaginations and reconstruct these needs and solutions and the creation of systems of learning. The Hindus introduced the use of “0.”

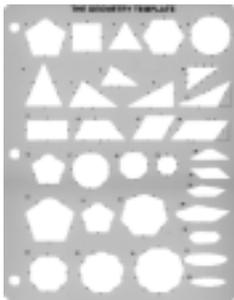
### GEOMETRY & EARLY MATH FLIP CHARTS

10 colorful, clearly and interestingly illustrated, wipe-clean 11.5" x 17" charts of plane and solid figures, lines and angles, geometry tools (geometry), multiplication, fractions, measuring, number lines, place value, sets (early math). Wonderful for the child and the adult. Can be kept in the binding as a book, or separated as individual posters.

DV632 Geometry Flip Chart \$12.95  
DV635 Early Math Flip Chart \$12.95

### GEOMETRY TEMPLATE

Even while listening to stories some children just can't sit still. It is highly recommended to allow them to listen while working with their hands, making geometric designs. This little tool provides a beginning for creating graphic art—repeating shapes, filling in with colored pencils, discovering mathematical patterns. This will inspire some children to create with compass and ruler. A sturdy, flexible, 8.5" x 11" plastic template that includes 32 geometric shapes.

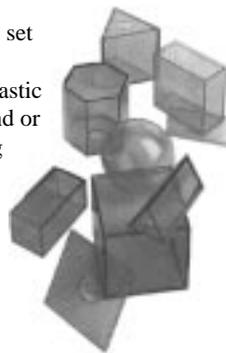


EM346 \$6.50

### HOLLOW VOLUME FIGURES

If a child has been exposed to plane and solid figures, this set offers the next step: investigating the inside, or the volume, of common solid figures. There are 12 small, translucent blue plastic geometric solids. The child can remove the lids to fill with sand or water. This allows her to compare the volume in an interesting way. Pyramid, tetrahedron, cone, rectangular prisms, cube, triangular prism, hexagonal prism, sphere, hemisphere. The largest piece is the cube, which is 2 inches on a side.

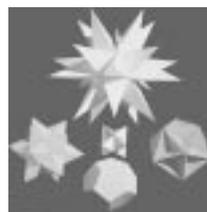
EM505 \$17.00



### GEOMETRIC SHAPES

Cutting out, scoring, and folding geometrical figures is an excellent way for a child to learn about math, and geometry. In *Cut and Assemble 3D Geometrical Shapes* children learn to make the geometric solids: tetrahedron, the octahedron, the dodecahedron, the icosahedron, interpenetrating tetrahedrons, a small stellated dodecahedron, and the great stellated dodecahedron, 10 three-dimensional models in all. This work may lead to further exploration in model-making and in geometry. Cardstock, color.

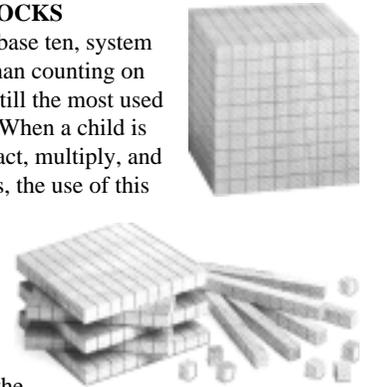
EM11 \$8.95



### BASE TEN BLOCKS

The decimal, or base ten, system was based on the human counting on her ten fingers. It is still the most used system in the world. When a child is learning to add, subtract, multiply, and divide whole numbers, the use of this material makes the difference between *ones* or *units*, *tens*, *hundreds*, and *thousands*, very clear, both visually and by the weight of the solid wood. This is a very important step in teaching math through the senses. The set consists of 100 units, 50 tens, 10 hundred squares, and 1 thousand cube. The cube is just under 10 cm on a side. We recommend having two sets, or making extra *thousands* from cardboard, so the child can learn to “carry.” When using the accompanying Activity 96-page workbook (not necessary in Montessori classrooms) be sure to use the labels *tens*, *hundreds*, and *thousands*, instead of *rods*, *flats* and *cubes*.

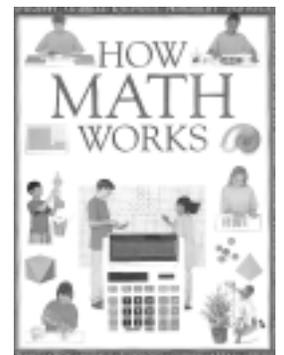
EM600 Base Ten Blocks and Book \$40.00



### HOW MATH WORKS

This will be a well-used reference book in any math-loving home, elementary, middle school, or high school class. The publishers say “ages 8-14,” but we say “ages 6-100 or so.” We once spent weeks trying to get clear definitions of *calculus* and *trigonometry* from mathematician friends without success. I found the perfect explanation in this book. Math underlies and influences every facet of life—from the household budget to the functioning of the universe. *How Math Works* contains hundreds of experiments which help explain such things as number bases, proportions, the history of algebra, Pi, statistics, factoring, symmetry, topology, and more. There are pictures and short biographies of the famous people who made the main discoveries in this area of knowledge. Hardcover, 8.5" x 11", color, 192 pages.

EM430 \$24.00



Let the child try to do math without it!

Where did algebra, calculus, trigonometry come from? They want to know!

Children are inspired by these stories, and by examples and pictures, to find out more. Children come to realize that mathematics has evolved and is still evolving from a practical need. Math,

graphing, fractions, all become logical tools for recording and measuring, and algebra a short cut for recording.

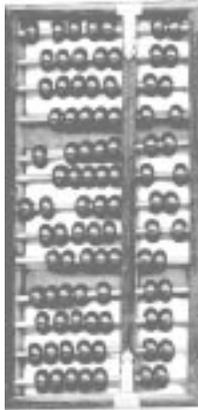
We encourage children to make up their own problems—especially story problems related to their lives and the subjects they are studying—for themselves and for their friends, in order to come to a very practical and clear

understanding of geometry and math. Children enjoy making up problems for each other, and examples that stump their teachers. This process of math concepts makes them stick in the child's mind.

With higher math, geometry and algebra, we give many practical examples and help the children come up with their own formulae after much experience.

### REAL CHINESE ABACUS

This roughly made, authentic abacus from China is just like the one used by thousands of people every day. The wooden dowels represent units, tens, hundreds and so on. To show a number, the appropriate beads are moved to the separating bar. Chinese users say that using an abacus can be faster than working with a calculator. The abacus comes with a small 32-page instruction booklet showing how to add, subtract, multiply and divide. There is more information on the abacus in the book *How Math Works*. Wood, bamboo, and metal, dimensions: 9.5" x 4.5".

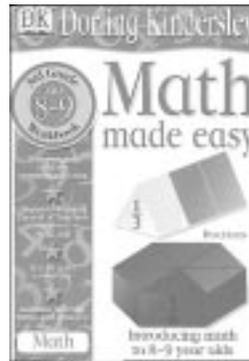


EM420 \$9.00

### MATH MADE EASY A K-6 Math Curriculum

Although the work in the Montessori class is fun and absorbing, often initiated by the child because of an interest, the children are still required to stay abreast of the traditional school requirements for their state or country.

The teacher posts the state requirements for each grade on the classroom wall. Children know that beyond this minimum they are free to study what they like. Here is a series of books that helps both teacher and student keep on track with math as it is covered in most schools today. It includes the answers (thank goodness). Softcover, 8.5" x 11", black & white, 200 pages.



EM350	Kindergarten	\$15.00
EM351	1st Grade	\$15.00
EM352	2nd Grade	\$15.00
EM353	3rd Grade	\$15.00
EM354	4th Grade	\$15.00
EM355	5th Grade	\$15.00
EM360	Set/6	\$89.00

### MATH FLASH CARDS

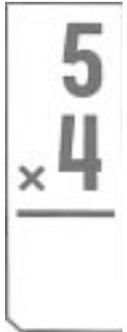
These

cards are very important, in the classroom and the home.

Children who have learned math under no pressure, enjoying their work, test very high in math later except for one area: speed! Fun, timed tests with *Math Flash Cards* are the best way to help a child pick up speed and memorize those combinations in addition, subtraction, multiplication, and division that they do not know.

Children can test themselves or work with friends, the goal being to improve memorization and increase speed and math ability. Hint: focus on the 4's - 8's in multiplication as these are often the most difficult. Instead of being presented the problems horizontally, these cards show the operations vertically, the way they are written in real life. Math practice improves the function of the brain, so don't let your children depend on electronic math devices! The flash card set contains 4 boxes, each with 100 flash cards, 8" x 2.5".

EM650 Flash Cards Set/4 \$32.00

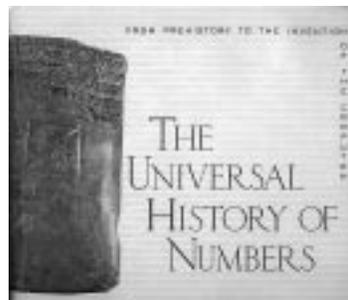


### THE UNIVERSAL HISTORY OF NUMBERS

... from prehistory to the invention of the computer

This veritable encyclopedia presents the grand story of human ingenuity, the relationship of humans with numbers from the Paleolithic times: tally sticks, addition done by the Sumerians, the body-counting system of New Guinea, the world of the Maya, Egyptian hieroglyphics, India and the birth of modern numbers, Greek philosophers to Chinese libraries, and much more. This book does not just touch on these subjects, but explains each subject clearly to the non-mathematician, with hundreds of clear drawings. Excellent for children's research and a perfect gift for any adult math-lover. Softcover, 10" x 9.5", 600 pages.

EM031 \$22.95



### MATHEMATICIANS ARE PEOPLE, TOO

Did you know that Isaac Newton was inspired to study mathematics after a fight with the school bully? And Pascal made one of his most important discoveries because of a toothache? The stories in these books are true. Each story inspires one to know more, especially about the mathematics discoveries themselves. Softcover, 7" x 9", black/white, 140 pages.

Volume I includes: Thales, Pythagoras, Archimedes, Hypatia, Galileo, Pascal, Newton. Volume II includes: Euclid, Khayyam, Leonard of Pisa (Fibonacci), Descartes, Bannaker, Babbage, Einstein.

EM24	Volume I	\$16.95
EM25	Volume II	\$16.95
EM26	Set/2	\$33.50



For example, if a child measures all of the rectangles in the room—tables, windows, books, etc. for figuring surface area, he will easily create, and even better understand, the formula "A=lw."

For each grade level, from 1st through high school, the children are shown the state requirements of math, just as any other subject. Then they learn

to plan and schedule their work. It is left to each child to decide the best system and schedule, through trial and error, and with adult help, depending on learning styles, and interests.

This teaches the math of planning, scheduling, allotting sufficient time, and it teaches responsibility.

When children are given this solid,

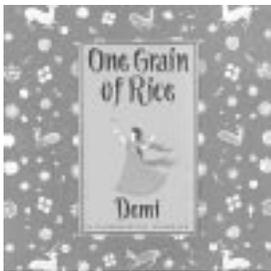
material foundation, and see the relationship of geometry and math to the real world, it makes it easier for them, in later years, to spend long periods of time working on paper.

This is because they know that these steps are just that—*steps* which will take them to a new level of understanding in the exciting world of math and science.

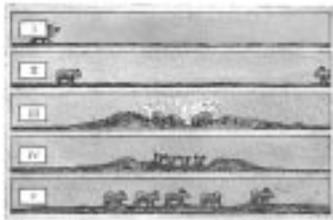
### **ONE GRAIN OF RICE, A MATHEMATICAL FOLKTALE.**

A beautifully illustrated story of a clever village girl in India who requests, as reward for a good deed, for just one grain of rice, doubled every day for thirty days! A wonderful math lesson. Hardcover, 10.5" x 10", color, 36 pages.

**EM670 \$19.95**



### **ROMAN NUMERALS I TO MM**



Although this book is intended for a slightly older child, it is appropriate for this age because children are constantly seeing Roman numerals used and want to know what these symbols mean. The child loves to count, and what fun to be able to count in an ancient system. As the child goes through the pages and counts the interesting and funny objects, in each illustration, the accompanying Roman numeral makes sense. The illustrations have a charmingly old-fashioned look that match the subject of the book.

Hardcover, full color, 10" x 8.5", xxxii (32) pages.

**DV270 \$16.00**

### **THE COIN COUNTING BOOK**

Simple rhymes and large, clear photographs instruct children in coin denominations, grouping, and counting. The text begins with an introduction to pennies and soon adds nickels and dimes, quarters, and half dollars to show how larger denominations take form. By the book's end, children are asked to think of the many ways a dollar is made (100 pennies, 4 quarters, etc.). A valuable introductory to money. Softcover, 11" x 8.5", color, 26 pages.

**EM704 \$6.95**

### **THE STORY OF MONEY**

The subject of *money* is interesting to children as they hear about in their daily lives. Why is a tiny sliver of yellow metal worth more than a big loaf of bread, and a little piece of green paper worth more than either? This first history book explores the many forms money has taken around the world, from barter to doubloons to paper money and credit cards. Softcover, 8.5" x 10", color, 46 pages.

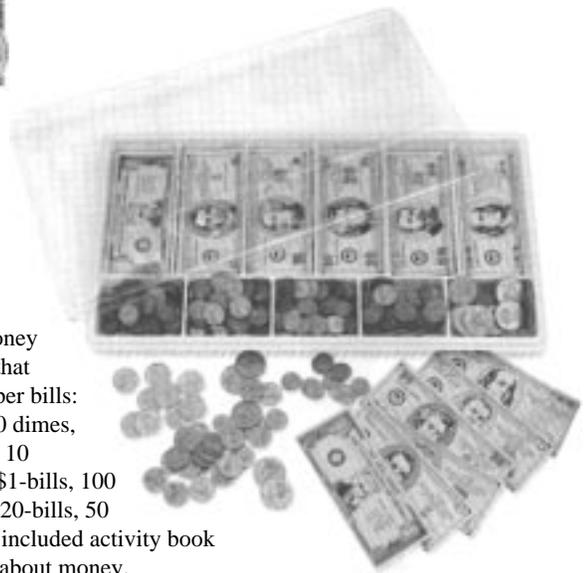
**DH406 \$8.00**



### **MONEY KIT**

Remember playing store and buying food with play money? This is still a good alternative to playing with real germ-laden money. This kit includes a plastic money tray 19" x 10" with sections that hold the plastic coins and paper bills: 100 pennies, 100 nickels, 100 dimes, 100 quarters, 50 half-dollars, 10 Sacajawea dollar coins, 100 \$1-bills, 100 \$5-bills, 100 \$10-bills, 100 \$20-bills, 50 \$50-bills, 50 \$100-bills. The included activity book give some ideas for learning about money.

**EM707 \$39.95**



### **MOONJAR MONEYBOXES**

We do not think is a good idea to pay children for helping in the family, or to withhold allowances as punishment. It is better to give the child a portion of the family income appropriate to his or her age, and then give a way for the child to use this money in three ways: spending (and include buying family food, etc. in the spending), saving, and sharing or tithing money to help others.



This little cardboard box is perfect for teaching just this. Each cardboard *Moonjar* consists of three moneyboxes (Spending, Saving, and Sharing) that are fastened together with a rubberband to form a kind of divided *piggybank*. There is also a family guide, and for older children a passbook to record deposits and withdrawals. *Moonjar* won the 2004 Global Learning Initiative Award for Educational Excellence. 4.5" in diameter.

**EM725**

**\$6.95**

**NOTE:** See *Earning Money*, *Handling Money* on page 101 for more information on teaching children about money.

*I never teach my pupils;  
I only attempt to provide  
the conditions  
in which they can learn.*

- Einstein

**Parenting and Teaching**

**"Montessori Materials"**

Since many people come to Michael Olaf because they are interested in "Montessori materials" we include an overview of two categories of these materials.

**Didactic Materials:** These are materials that were developed by Dr. Montessori for use in schools. These include the *sensorial* (color tablets, red rods, etc), and *math* (bead frame, square root materials, etc.) materials. They are made by approved (and sometimes unapproved) companies around the world and have been tested for 100 years and

found to work in the classroom. They are not useful in the home because they are of no value without a teacher trained on the relationship of their use to the needs of and development of the child. Materials in *Child of the World* are appropriate at home and do not require teacher training.

**Adult-found, or Adult-made Materials:**

During training the teachers is taught to analyze the culture of his or her class and find local materials, or make materials for the classroom.

She learns to seek out the best *local* books, trays, cleaning supplies, etc. to link the child to that particular beauty and daily life in which they live. This creates a beautiful and unique environment instead of a mass-produced, boring look. Parents at home can do the same, creating a family-centered learning environment at home.

In the Michael Olaf catalogues we offer high-quality examples of items that are useful for the home, and the classroom.

The most help that the Michael Olaf company has given to parents and teachers over the years is in finding culturally rich

books, materials for the classroom and the home in the areas of music, art, history, geography, physics, biology. We are also known for the quality of furniture, storage materials, toys, games, puzzles practical life materials, and books.



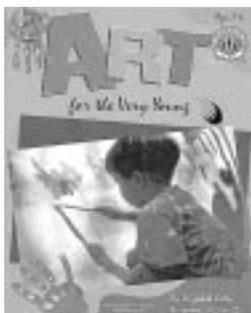
Helping a younger sibling learn to blow his nose.

**CUSTOMER FAVORITES, FOR HOME AND SCHOOL**

**ART FOR THE VERY YOUNG**

In over 20 years of teaching 3-6 year olds, our local Montessori teacher, an artist in her own right, considers this the most valuable art book available. There are 50 art activities which are fun, which teach basic art concepts and techniques, and which can be connected with fine art through suggested art masterpieces. Softcover, 8.5" x 11", 128 pages.

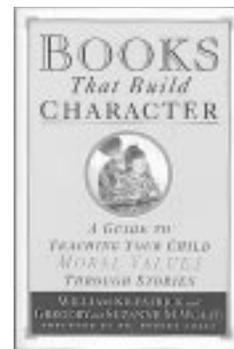
**GB181 \$10.99**



**BOOKS THAT BUILD CHARACTER**

We, as a family, have probably recommended this book, more than any other, to other parents and teachers. Arranged by category and reading level, there is something for all readers—from preschoolers to teenagers—picture books, folktales, biographies, holiday stories, novels. Each of the 300 entries gives the plot and publisher information so you can find the book in the library or bookstore. Softcover, 330 pages.

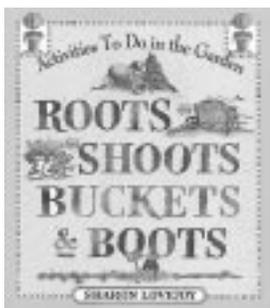
**GB395 \$14.00**



**ROOTS, SHOOTS, BUCKETS & BOOTS**

The study of plants plays a large part in the Montessori curriculum. Children learn to recognize and name parts of plants, roots, leaves, flowers, etc. in the primary class, and study the evolution and marvelous variety of plants from age 6 on. But all of this study follows the all important real experience that the child has with growing and exploring real plants. This book presents "The top 20 plants for kids" and several spirited, easy-to-implement ideas that children can grow together with their parents or teachers such as a sunflower house and mother nature's medicine chest. Softcover, 8." x 11", 159 pages.

**(\* GB330 \$13.95**



**WOODWORKING FOR KIDS**

This book will introduce children to the many simple and useful things that can be made with wood and a few tools—forty projects in altogether. On page 12 of *Woodworking* is a list of materials that we recommend be bought at the hardware store, the adult and child together. Tools are a personal preference and children should hold and try tools, purchasing the ones that fit well, with this list for guidance. Even the unexperienced adult can pick something out and plan and create it with the child with these helpful directions, clearly illustrated with color photographs. Softcover, 8.5" x 10", color, 160 pages.

**DR687 \$14.95**



Everything that we carry is user-friendly for parents in the the home and extended day programs in Montessori schools.

**The Supermarket Effect:** Many parents and teachers find themselves tempted to purchase more materials than are needed. This is not only wasteful, but it is damaging to the child's development.

Montessori classrooms where the only materials are those introduced during teacher training prove to have children who are happy, focused, and with the longest periods of concentration—the best results overall. It is the same in the home. Less is better.

At Michael Olaf we reject many, many books and materials that we review, even though we see them for sale in other well-known catalogues. Our goal is to set a standard in quality, and to present an overview for creating the best, calmest, most beautiful learning and living environment for children possible.

### Parenting / Teaching

Through our children, we parents and teachers are the architects of the future of humanity. As we go about our daily lives in the presence of children we are constantly teaching by our own words, thoughts, and behavior.

*Education* is sometimes narrowly defined as the teaching of math, language, sciences and the arts, but the most important subjects to be mastered are: how to be happy, to be a compassionate friend, to express care through thoughtfulness and good manners, to identify a problem and work hard to solve it, to know how to be happy. More than facts, we must help our children develop a love of learning, an ability to make intelligent and responsible choices, to concentrate and focus, and to do one's best to complete a task to the satisfaction of oneself rather than to please someone else.

### Concentration & Contemplation

It was the great discovery of Dr. Montessori that after completing a prolonged period of deep concentration and contemplation, a child often expressed a great joy and a desire to help others. Perhaps this is what adults who daily make time for prayer or meditation feel, and why we think of them as happier, more peaceful, and in some ways better human beings than those of us who just rush from one task to the next. Lessons on morality, books on morality, gold stars, these exterior inducements to happiness and goodness are never as successful as a good night's sleep or a long period of concentrated work or contemplation during which the mind can process the day's input, solve problems at a deep level, and come out happy.

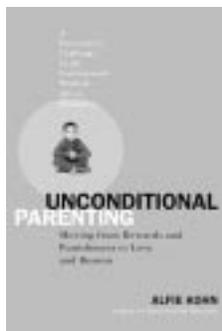
The most important advice on parenting and teaching we can offer is to constantly watch for periods of concentration and contemplation in our children and protect these moments from interruption.

#### UNCONDITIONAL PARENTING:

##### *Moving from Rewards and Punishments to Love and Reason*

Most parenting guides begin with the question "How can we get kids to do what they're told?" —and then proceed to offer various techniques for controlling them. In this truly groundbreaking book, nationally respected speaker at Montessori conferences, Alfie Kohn, begins instead by asking "What do kids need - and how can we meet those needs?" What follows from that question are ideas for working with children rather than doing things to them. This is an eye-opening book that will reconnect readers to their own best instincts and inspire them to become better parents. 272 pages, softcover 9.5" x 6"

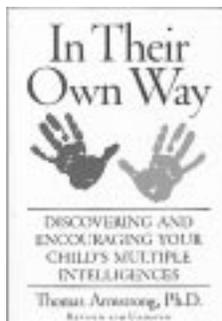
(\*) **GB075** **\$14.00**



#### IN THEIR OWN WAY

Your child is unique, and each child has a unique way of learning. It is fascinating to learn to recognize and to enjoy the signs of eight *intelligences* described in this book: linguistic, logical-mathematical, spatial, musical, bodily-kinesthetic, interpersonal, intrapersonal intelligence, and naturalist, and to help children acquire knowledge and skills according to their sometimes extraordinary aptitudes. This book, based on Dr. Howard Gardner's work at Harvard, offers inspiration for every learning situation. Soft cover, 281 pages.

**GB22** **\$14.95**



#### HOW TO TALK SO KIDS WILL LISTEN AND LISTEN SO KIDS WILL TALK

We are still, after 22 years, constantly recommending this book to both parents and teachers to help them understand, and solve problems with children. The authors have often been guest speakers at Montessori conferences. It is based on the practice of PET (Parent Effectiveness Training). To find a PET course near you, phone: 800-628-1197.

**GB270** **\$13.95**

#### PARENTING ARTICLES

*Aiding the Development of Self-Esteem in Children, from birth to age 12+* is an article by Susan Stephenson (Montessori parent, teacher, and author of *The Joyful Child*) on how movement and *work* during this critical time aid the development of self-esteem and support optimum physical, emotional, and mental development.

Modern brain and learning research gives very important information on how television and computers affect the child during the first six years of life. *The Technology Screen* is a compilation of this information by three well-known authors on the subject of children and Montessori: John Long, Silvana Montanaro, MD, and Jane Healy, Ph.D.

*Summer Ideas for All Ages*, written by 0-3, 3-6, and 6-12 Montessori teachers (Susan writing the 0-3 section), gives valuable suggestions for using Montessori ideas in the home, not just in the summer! All of these articles were published by The Association Montessori Internationale.

**GB784 Technology Screen** **\$1.75**  
**GB785 Self-Esteem** **\$1.75**  
 (\*) **GB781 Summer Ideas** **\$1.75**  
 (\*) **GB782 Set/3** **\$5.00**

**The Inner Guide**

Each of us was born with an inner guide, and all the tools to use whatever is found in the environment to create a self-fulfilled individual. Even if our own schooling may not have been based on a respect for this inner guide, we can provide it for our children.

We can create a marvelous environment, learn to observe and interpret our child's behavior to discover his or her needs, and get out of the way!

**A Fresh Look**

One of the most important attitudes to nurture is to see each child as a new being each day, forgetting the past and seeing only the potential for greatness.

This is also the best way to look at ourselves. It is a lot to ask of the adult to provide everything a child needs, and we believe that some time should be allotted, perhaps at the beginning of each day, to getting mentally prepared for the task by praying, meditating, taking a walk. Then

one is better able to take a deep breath and face the day with a feeling of being new and in the present moment. If we can balance ourselves, our interactions with our children will be more enjoyable.

We are parents, grandparents, teachers, friends or advocates of children, because we care about others. No matter how much we try to be perfect we must learn not to waste time wishing we "had only known earlier," but must learn to laugh, to pick up the pieces, and to begin again.

We hope *Child of the World* is helpful in learning to enjoy the role of parent or teacher. We will keep sharing what we are continuing to learn about children, families, teaching, and life.

**Age 0-6 - The Absorbent Mind**

At this age children literally absorb, the world around them. We can never be too kind, polite, respectful, to be their role models. When they are being cared for by others we must have the highest standard of expectation for these vitally

influential adults.

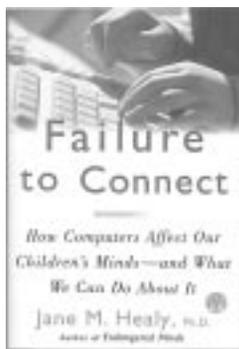
The 3-6 environment is called a *Casa dei Bambini*, or *House of Children* because it is very different from the traditional preschool. To imagine the difference think of how you act when welcoming friends into your own inviting, comfortable, enjoyable home. Would you have everyone sit still on a line and put their hands in their lap and close their mouths? Or would you have specially prepared interesting activities, perhaps some food, and welcome each person with a personal greeting, inviting her to make herself at home? Would you line up chairs and tables, labeling where your guests were to sit? Or would you arrange the home with paintings, comfortable chairs, plants, and soft music? If a guest in your home appeared at loose ends would you tell him to get to work, or would you have a private conversation with him and offer some interesting activity? When your guests were all settled in and having a lovely time would you interrupt them and tell

**FAILURE TO CONNECT:**

*How computers affect our children's minds—and what we can do about it.*

Every parent and teacher should read this book! There is so much pressure today for children to become computer-literate, that we need to understand as much as possible, how to use this valuable educational tool. Research is providing new discoveries in this area regularly yet *Failure to Connect* is still the most important book we have found on the subject. Computers, used incorrectly, may do far more harm than good to a child's growing brain, creativity, and social/emotional development. Here Dr. Jane Healy examines the advantages and drawbacks of computer use at home and school. Softcover, 5.5" x 8", 319 pages.

**GB260 \$15.00**



**FOUR ARGUMENTS FOR THE ELIMINATION OF TELEVISION**

A dramatic title, and an important subject. This book, constantly in print for 25 years!, has been one of our customer favorites for a long time. It is written by an astute observer of society who spent years in the TV industry, and knows it from the inside out. It helps us understand the role of TV in our society today. The author presents aspects of television that have rarely been examined. Fascinating and important for parents and teachers alike. Softcover, 5" x 8", 360 pages.

**GB09 \$13.95**

*The primary danger of the television screen lies not so much in the behavior it produces as the behavior it prevents...*

*Turning on the television set can turn off the process that transforms children into adults.*

—Urie Bronfenbrenner  
Cornell University

**ADHD: A CASE STUDY**

Eight-year-old Denise had been put on Ritalin for the third time, in a third school. In desperation her parents sent her from Florida to California to stay with the Stephensons for six weeks. Her reactions to foods and environmental influences were carefully observed and recorded, and the environment adjusted accordingly; this bright and sensitive girl improved dramatically during her visit. This 7-page report to her school, at the request of many parents and teachers, her family has generously agreed to share.

**GB855 \$4.50**

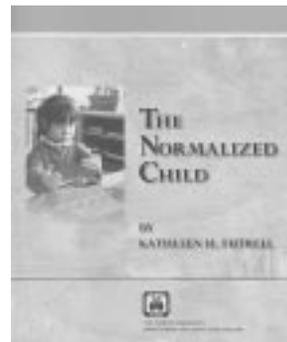
**THE NORMALIZED CHILD**

As the title suggests, it is possible to help children with all kinds of problems to become happily *normal*.

Dr. Montessori realized that through focused concentration on certain kinds of activity the child's deviations fell away and a new child was revealed, she called this process *normalization*. This book clearly illustrates, with pictures and text, the characteristics of a *normalized* child and will be of value to anyone interested in children.

Softcover, 8.5" x 11," color, 28 pages.

**GB236 \$8.00**



them to come and sit in a circle because what you have to show them is more important than anything they might be doing? What if a guest were tired or hungry, or deeply involved in something else?

From age 0-6 children are invited, but never required, to carry out certain tasks. There are only two rules in the 3-6 class.

(1) "We don't interrupt someone who is concentrating,"

(2) "One can work with any material whose purpose one understands—having learned it from the teacher or from another child."

The adult observes and strives to meet the child's physical, mental, and emotional needs. Once a child has been attracted to an activity, and has begun to concentrate upon a bit of work, the adult respects this choice and concentration and does not interrupt. Children are taught, through fun role-playing lessons rather than admonition, many of the social roles in class such as putting away work or not interrupting someone who is

concentrating.

At this age we give the child, who is voraciously devouring experiences, the basic elements of all future studies—biology, art, geography, geometry, math, music, and language.

### Age 6-12

This is a very stable and a more intellectual age. The 6-12 child is interested in the ways in which society functions, how it came into being. She wants to explore the past and the farthest reaches of the universe with the imagination, to see and understand the universe and the development of humanity. This child can make incredible advances in intellectual work as he goes out into society and learns to function independently, in and outside school.

In recent years this age group has sometimes been divided into 6-9 (lower elementary) and 9-12 (upper elementary), but, after having taught in six different 6-12 environments, I really believe that this limits the child. When the age span is

wider (I have taught 5-13 with wonderful results) children are exposed to an incredible range of work and have much more chance to sharpen their knowledge by teaching others. There are often far fewer teacher-led groups and longer periods of concentration.

I urge any teachers who have not tried the whole age span to do so, and I have heard from many teachers who try it that they will never go back because the work of the adult is easier and the overall experience more satisfying.

The only problem I had with a wide age span at this level, is that I often had nothing to do! So I played the piano or concentrated on my own work alongside the children who are concentrating on theirs—both tasks inspiring the children to further accomplishment.

### Age 12-18

The name for the Montessori "school" for age 12-15 is *Erdkinder*, or *earth children*. Aside from several "urban compromises" there is a real Montessori



#### MARIA MONTESSORI, BOOK & TIME LINE PICTURES

Our grandchild, after 3 years in a Montessori school, asked us "Who is Montessori?" This book will help children understand their Montessori school. A Montessori teacher wrote and illustrated this depiction of Maria Montessori's life for and with her 3-6 students. The text is written in English, Italian, French, Spanish, and German. A set of the book's twenty-seven 8" x 8," color pictures are included. They can be laid out in a row making a time line of her life. 105 pages, with childlike color illustrations.

DH19      \$26.00

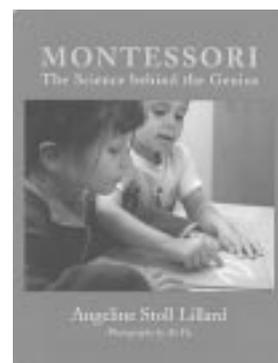
#### MONTESSORI, THE SCIENCE BEHIND THE GENIUS

Until now there has never been a book so well suited to a modern understanding of Montessori; professors relate to the perspective of a fellow academic who is knowledgeable in all kinds of education of children. Parents come to understand how we educate children in traditional education, and why Montessori is so sought after as an alternative, in both private and public school settings.

Angeline Lillard, the author, is a parent, and her book is invaluable for anyone thinking of having children, or getting ready to send a child to preschool or school. It will help parents differentiate between true Montessori schools and those that use the name "Montessori" without knowing what they are doing, which is quite common since there is no copyright on use of the name. Hardcover, 6.5" x 9.5," 404 pages, several black and white illustrations.

GB500

\$35.00



#### CHILDREN WHO ARE NOT YET PEACEFUL

Charting the progress of 12 children in a real Texas Montessori 6-12 classroom, educator Donna Goertz shows how positive change can occur given the proper environment. In each case she describes a child's transformation from destructive troublemaker to responsible citizen of the classroom community. Readers will learn how to apply Montessori methods to virtually any early elementary environment. Here is an insightful quote from a parent who is also an MD: *I feel this is a must read for every educator and/or any parent of a "challenging" "special needs" child. Since my son's ADHD diagnosis I have read lots of books on ADHD and education. This is by far the BEST!* Softcover, 6" x 9," 240 pages.

GB380

\$15.95

Farm School in Ohio. For information go to the Michael Olaf website [www.michaelolaf.net](http://www.michaelolaf.net)

The focus must continue to be on the needs and tendencies of the young person, NOT on the academic requirements of today. The world is changing far too rapidly for us to assume to know what children will need to know in even ten years. But we do know that he will need to know how to be happy, to be kind, to make intelligent choices, to solve problems, to help each other, and to enjoy doing a good job in all kinds of work.

A child who experiences independence—going to the grocery store on his own, finding books in a public library, interacting with people outside the school and family—by the end of the stable age of six to twelve—will have a better chance of experiencing a happy transition from adolescence to adult life: going to college, moving out into the adult world, and earning a living.

### For Everything There is a Season

It is not good for children to be pushed into stages that they are not ready for. But neither is it good for us to hold children back when they are ready to move on. At any age, an unnecessary aid is really a hindrance to development. Dr. Montessori speaks for the child when she says, of the child's desire: *Please help me to do it myself!*

*I had always understood that Madame Montessori dispensed with discipline and I wondered how she managed a room full of children . . . On sending my little boy of three to spend his mornings in a Montessori school, I found that he quickly became a more disciplined human being . . . The pedagogical discoveries involved have required genius but the teachers who are to apply them do not require genius. They require only the right sort of training, together with a degree of sympathy and patience, which is by no means unusual. The fundamental idea is simple: that the right discipline consists not in external*

*compulsion, but in habits of mind, which lead spontaneously to desirable rather than undesirable activities. What is astonishing is the great success in finding technical methods of embodying this idea in education. For this, Madame Montessori deserves the highest praise.*

—Bertrand Russell, *On Education*

### Montessori Schools—the Teacher

The most important consideration in deciding to set up a Montessori class is the teacher. A non-Montessori-trained teacher can no more be expected to teach "Montessori" than a biologist could be expected to teach French. Using the Montessori approach to teach is extremely challenging, but equally exciting and rewarding.

Montessori schools have proven successful all over the world, with all kinds of children (blind, gifted, learning disabled, wealthy, poor, etc.) and in many different environments (from refugee camps and slums to elegant schools in beautiful private homes).

### THE ADVANCED MONTESSORI METHOD

#### SPONTANEOUS ACTIVITY IN EDUCATION

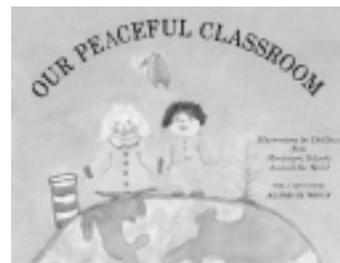
We are thrilled that this book is back in print as it is another book we have recommended many times over the years. The question of fantasy and imagination is one that is often misunderstood and clarified here. Also the important concept of the importance of uninterrupted concentration, so important in the Montessori school, and the "3-Hour Work Period", is beautifully explained. There are also insightful chapters on *will* and *intelligence*. Softcover, 5.5" x 8", 355 pages.

GB331 \$14.95



### OUR PEACEFUL CLASSROOM

Here is a peek into a Montessori *casa dei bambini*, the 3-6 classroom, with illustrations by children from many parts of the world. This book would be cherished by any child who attends or has attended a Montessori school. And it is to be found in the book corner of most 3-6 classrooms. Soft cover, color, 64 pages.



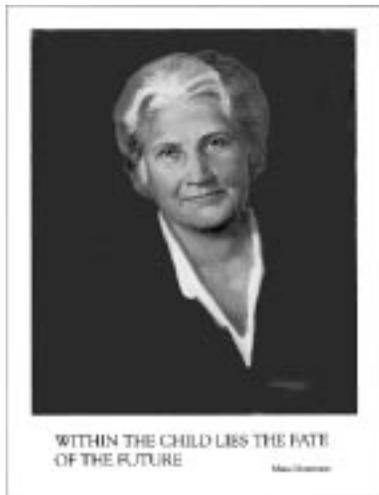
DB09 \$12.95

### THE SECRET OF CHILDHOOD

A classic by Dr. Montessori, this book presents her ideas on the newborn, walking, the hand, intelligence, repetition, free choice, rewards and punishments, discipline, writing, and more, including *deviations* that can be healed.

In the last part she gives us food for thought about the difference between the work of the adult and that of the child. Softcover, 216 pages.

GB43 \$7.50



### MONTESSORI PRINT

Here is one of our favorite images of Maria Montessori—this lovely full color print hangs in the entrance of many Montessori schools. It is made from an oil painting of Dr. Montessori. The background is black and the image in color. The quote at the bottom is: *Within the child lies the fate of the Future*. The dimensions are 18" x 24". The print comes both un laminated and laminated.

GB175 unlamated \$19.50  
 (\*) GB177 laminated \$24.50

**Montessori Schools  
- Some Elements  
of Montessori Practice**

**Multi-aged Grouping, based on Periods of Development:** Children are grouped in three or six-year spans and have the same teacher all of the years.

**The 3-Hour Work Period:** At every age, a minimum of one 3-hour work period per day, uninterrupted by required attendance at ANY group activities of is necessary when using the Montessori method of education to produce the results for which the method is famous.

*When the children had completed an absorbing bit of work, they appeared rested and deeply pleased. It almost seemed as if a road had opened up within their souls that led to all their latent powers, revealing the better part of themselves. They exhibited a great affability to everyone, put themselves out to help others and seemed full of good will.*

**The Prepared Environment:** The environment is logically arranged according to subject area. There are no text books, but instead approved didactic materials and a selection of culturally rich books and activities. Since the child learns to glean information from many sources, instead of being handed it by the teacher, it is the role of the teacher to prepare and continue to adapt the environment, to link the child to it through well-thought-out lessons, facilitating the child's exploration and creativity.

**Teaching Method:** children are always free to move around the room, and to continue to work on a piece of material with no time limit. Seldom will two or more children be studying the same thing at the same time.

Children learn directly from the environment, and from other children—and from clear presentations of individual activities by the teacher.

The child is scientifically observed, observations recorded and then studied by

the teacher. The teacher is adept at teaching one child at a time, with occasional small groups and almost no lessons given to the whole class. She is facile in the basic lessons of math, language, the arts and sciences, and in guiding a child's research and exploration, capitalizing on a child's interests of the moment and excitement about a subject.

Large groups occur only when starting a new class, or in the beginning of the school year, and are phased out as the children gain independence. Children learn from what they are studying individually, from group projects that they initiate, and from the amazing variety of work that is going on around them during the day.

**Class size:** The most successful 3-6 or 6-12 classes—IF the teacher is fully trained in the method—are of 30-35 children to one teacher, with one nonteaching assistant, this number reached gradually over time. This provides the most variety of personalities,



**ABSORBENT MIND**

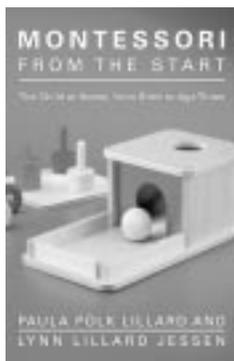
This, her most accessible book, was written during Dr. Montessori's internship in India during WWar II, as she was teaching in Ahmedabad, and after she could see the success of her methods with children around the world.

*And so we discovered that education is not something which the teacher does, but that it is a natural process which develops spontaneously in the human being.*

*It is not acquired by listening to words, but in virtue of experiences in which the child acts on his environment.* Softcover, 302 pages.

**GB456 \$17.00**

**MONTESSORI TEACHING, AGE 0-3+**



**THE JOYFUL CHILD, MICHAEL OLAF ESSENTIAL MONTESSORI FOR 0-3**

This is a valuable source of materials for the 3-6 class, as many of the materials for that level are introduced here, and are not found in the 3-12 catalogue. *The Joyful Child*, is the overview for the first three years of life. Based on the Montessori Assistants to Infancy course begun in Rome in 1947, it is used as a text by birth-to-three parents and professionals, and a study guide at Montessori Institutes. There are 50+ pages of information such as: the environment and the mind, sleep, developing trust in the world and in oneself, clothing, crying, language and movement, the baby's work, weaning, toilet learning, and more. The products available for purchase are helpful for new and experienced parents.

**GB015 \$6.00**

(Available with orders free, or bulk copies for the cost of shipping and handling only)

**MONTESSORI FROM THE START**

*The Child at Home from Birth to Age Three*

This book has already proven helpful to Montessori teachers in 3-12 classrooms, because they can recommend it to their school families for the younger siblings. The authors have used Maria Montessori's theories to create a comprehensive program for the first three years, from the design of the bedroom to the child-sized kitchen table and chair to diet and food preparation to clothing and movement. The authors provide guidance for the establishment of a beautiful and serviceable environment that will aid in the development of focus and concentration. Taking into account the child's "sensitive periods," they introduce concepts and activities for such skills as dressing, food preparation, and toilet training. Brimming with anecdote and encouragement, and written in a clear, engaging style. *Montessori from the Start* is a practical and useful guide to raising calm, capable, and confident children. Softcover, 8" x 5", 304 pages.

**GB479 \$13.95**



## PARENTING / TEACHING — FROM THREE TO TWELVE+

learning styles, and work being done at one time. This class size is possible because the children learn from each other and stay with the same teacher for three to six years. Although laws sometimes prohibit this ratio laws have been changed in a few states to allow it.

**Areas of Study Linked:** All subjects are interwoven; history, art, music, math, astronomy, biology, geology, physics, and chemistry are not isolated from each other and a child studies them in any order he chooses, moving through all in a unique way for each child. At any one time in a day all subjects—math, language, science, history, geography, art, music, etc.—are being studied, at all levels.

**Assessment:** There are no grades, or other forms of reward or punishment, subtle or overt. Assessment is by portfolio and the teacher's observation and record keeping. The real test of whether or not the system is working lies in the accomplishment and behavior of

the children, their happiness, maturity, kindness, and love of learning, concentration, and work.

**Requirements for age 3-6:** There are no academic requirements for this age, but children are exposed to amazing amounts of knowledge and often learn to read, write and calculate beyond what is thought usual for a child of this age.

**Requirements for ages 6-18:** There are no curriculum requirements except those set by the state, or college entrance requirements, for specific grades and these take a minimum amount of time. Students of K-12+ age design 1-2 week contracts with the teacher to balance their work, and learn time management skills. The work of the 6-12 class includes subjects usually not introduced until high school.

**Learning styles:** All intelligences and styles of learning—musical, bodily-kinesthetic, spatial, interpersonal, intrapersonal, intuitive, natural, and the traditional linguistic and logical-

mathematical—are nurtured and respected.

**Social/Character education:** Opportunities for the *valorization of the personality* is considered at least as important as academic education. Children are given the opportunity to take care of themselves, each other, and the environment—gardening, cooking, building, moving gracefully, speaking politely, doing social work in the community, etc.

**The results:** In looking at the results one must be sure they are judging a class run by a fully trained teacher. Using *Montessori* without this training will not have the same results. When the environment meets all of the needs of children they become, without any manipulation by the adult, physically healthy, mentally and psychologically fulfilled, extremely well-educated, and brimming over with joy and kindness toward each other.

### MONTESSORI TEACHING, AGE 3-6+

#### 3-HOUR WORK PERIOD OBSERVATION OF 3-6 CLASS

(lecture and Article Reprints)

The uninterrupted concentration of children as they work is the most important element of the Montessori experience. This is a reprint of a lecture on this crucial 3-hour work period, and how to "get there" in the Montessori 3-6 class. It was delivered by Susan Stephenson at the 1996 New Zealand Montessori Conference.

Included are example concentration graphs taken from Dr. Montessori's writings, a blank graph to be copied and used by teachers, and specific suggestions for eliminating group lessons, fostering individual work, and aiding the development of concentration and normalization in children.

Also a reprint of the article "Observation of a 3-6 Montessori Class," written in 1987 about the children's class at the Maria Montessori Training Center (AMI) in London, England, where the 3-hour work period is part of the daily schedule. 22 pages.

**GB850 \$10.00**

#### RECORD KEEPING IN THE MONTESSORI CLASS

In my training at the AMI Maria Montessori Training Organization in London, England in 1970 I was given a record system that has worked beautifully. Here is an overview of that method, along with suggestions on how exactly I gathered the data in the 3-6 classroom, and adapted it for the 6-12 classroom. There are also suggestions for using it in the Infant Community, and for keeping records in the elementary class. This record-keeping packet of information is constantly being updated and other important teaching information added because of requests from teachers.

**GB288 \$12.00**

#### PARENTS' GUIDE TO THE MONTESSORI CLASSROOM

Illustrations and a brief introduction to the purpose and use of the *practical life*, *sensorial*, cultural, math and language materials in the Montessori 3-6 classroom. A classic for anyone curious about the materials used in this method of education from age 3-6. Softcover, black and white, 57 pages.

**GB24 \$6.00**



#### 3-6 CULTURAL LESSONS, FOR HOME AND CLASSROOM

It is the cultural experience—art, music, sciences, history, and geography—which provide the basis for the Montessori practical life, sensorial, language, and math work.

Here are the basic cultural lessons for the Montessori 3-6 class, inspired by the AMI (Association Montessori Internationale) training center in London, England. Each lesson offers a key to one aspect of that area of study, and opens a door to a new understanding. There need only be one key to each door. NOTE: If the child does not get these lessons in the 3-6 class, they can be used to *initiate* these studies at the ages 6-12.

**GB70 Physics Curriculum \$5.00**  
**GB71 Biology Curriculum \$5.00**  
**GB72 Geography/History Cur. \$5.00**  
**GB73 Music Curriculum \$5.00**  
**GB74 Art Curriculum \$5.00**



**A BRIEF BIOGRAPHY OF MARIA MONTESSORI**

Maria Montessori was born in Italy in 1870. In her work at the University of Rome's psychiatric clinic, Dr. Montessori developed an interest in the treatment of children and for several years wrote and spoke on their behalf. At age twenty-eight, she became the director of a school for mentally-disabled children. After two years under her guidance, these children, who formerly had been considered ineducable, took a school examination along with normal children and passed successfully.

Educators called Dr. Montessori a miracle worker. What was her response? If mentally disabled children could be brought to the level of normal children, Dr. Montessori wanted to study the potential of "normal" children. She went back to school to study anthropology and psychology and finally, in 1907, was asked to take charge of fifty children from the dirty, desolate streets of the San Lorenzo slum in the city of Rome.

*Like others I had believed that it was necessary to encourage a child by means of some exterior reward that would flatter his baser sentiments, such as gluttony, vanity, or self-love, in order to foster in him a spirit of work and peace. And I was astonished when I learned that a child who is permitted to educate himself really gives up these lower instincts. I then urged the teachers to cease handing out the ordinary prizes and punishments, which were no longer suited to our children, and to confine themselves to directing them gently in their work.*

The news of her amazing success soon spread around the world and people came from far and wide to see the children for themselves. She was as surprised and awed as visitors to the Casa dei Bambini.

*Supposing I said there was a planet without schools or teachers, where study was unknown, and yet the inhabitants—doing nothing but living and walking about—came to know all things, to carry*

*in their minds the whole of learning; would you not think I was romancing? Well, just this, which seems so fanciful as to be nothing but the invention of a fertile imagination, is a reality. It is the child's way of learning. This is the path he follows. He learns everything without knowing he is learning it, and in doing so he passes little by little from the unconscious to the conscious, treading always in the paths of joy and love.*

—Dr. Maria Montessori

After WWII Dr. Montessori's concern with education for peace intensified and she was twice nominated for the Nobel Peace Prize. She instituted the study of Cosmic Education for the child from six to twelve years of age, since she could see that in meeting the needs of the child, the needs of the world would also be met. "Cosmic Education" is the child's gradual discovery, throughout the whole of childhood, of the interrelatedness of all things on earth, in the past, in the present, and in the future.

**MONTESSORI TEACHING, AGE 6-12+**

**NOTE:** The Age 12-18 reprint that was previously available for purchase on this page has been placed free on the Michael Olaf website at: [www.michaelolaf.net](http://www.michaelolaf.net)

**ACADEMIC OUTLINES**

These up-to-date academic outlines are valuable for every parent and teacher of any child from age six through high school, but also for age 3-6 because one never knows the level of questions that will come from the child! In the classroom for the child age six and older, the curriculum of the child's time and place are brought to life with projects, research, charts, stories, experiments, and the arts, but the basic information is kept up-to-date by the teacher's continual research and reading. These quick reviews, are valuable for up-to-date outlines for both the teacher and classroom reference for the children. 8.5" x 11" sheets, between 4 and 8 sides, laminated, and hole-punched.

<b>GB900 Astronomy</b>	<b>\$5.95</b>
<b>GB901 Earth Science</b>	<b>\$4.95</b>
<b>GB902 Geography</b>	<b>\$4.95</b>
<b>GB903 Rocks &amp; Minerals</b>	<b>\$5.95</b>
<b>GB904 Chemistry</b>	<b>\$4.95</b>
<b>GB905 Biology</b>	<b>\$4.95</b>
<b>GB906 Botany</b>	<b>\$5.95</b>
<b>GB907 Zoology</b>	<b>\$4.95</b>
<b>GB908 Marine Biology</b>	<b>\$5.95</b>
<b>GB909 Human Anatomy</b>	<b>\$5.95</b>
<b>GB910 Nutrition</b>	<b>\$4.95</b>
<b>GB912 American Sign Language</b>	<b>\$4.95</b>
<b>GB913 English, Grammar/Punctuation</b>	<b>\$4.95</b>
<b>GB914 English, Composition/Style</b>	<b>\$4.95</b>
<b>GB916 Geometry, Part I</b>	<b>\$4.95</b>
<b>GB917 Geometry, Part 2</b>	<b>\$5.95</b>
<b>GB918 Weights &amp; Measures</b>	<b>\$4.95</b>
<b>GB919 Math Review</b>	<b>\$4.95</b>
<b>GB940 Set/18</b>	<b>\$94.00</b>



**EARNING MONEY, HANDLING MONEY MANAGING TIME (a record of time use)**

Often children are given, or earn, money which is to be spent for nonessentials rather than for food, basic clothing, gifts, and so on. This does not prepare them for independence or responsibility. Here is a reprint of an article that presents a budget system for a 7-year-old which involves him in meeting the family's basic needs, in planning ahead, giving service to others, and in learning the value of money.

The 8.5" x 11" chart "Managing Time" is used to make children (and adults) aware of just how they use their time - the first step in learning the important skill of Time Management. It is fun for the whole family to track the time of each member for a few days, and for the child in the classroom who just doesn't seem to be getting anything done. Each activity during a 24-hour period is recorded. At the end of the day time is added up and color coded to have a look at just how much time is spent in helping others, studying, watching TV, leisure, and even sleeping and eating. It helps us learn why some people seem to accomplish a lot and others not so much, why some are rested and others wiped out. An eye-opener.

**ER085 \$2.50**