



*AMC Montessori Fall 2009
Hands-On Creative Lesson
Planning Newsletter*

The AMC Montessori Newsletter

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Heidi Anne Spietz, Editor

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<http://www.amonco.org>

The AMC resource participants have generously shared hands-on activities that you will want to use in coming months. You'll be impressed with the ingenuity and creativity expressed in the recipes and crafts they have chosen to share with you. Use their ideas to foster interest in science, social studies, art, mathematics, and other academic hands-on learning activities. Integrate the recipes and crafts into your multicultural lesson planning as well.

Hopefully, you will let the participants know how much you have enjoyed their recipe(s) and craft(s). Visit the websites listed throughout the newsletter. You'll find additional helpful lesson information at these sites.

American Montessori Consulting is not responsible for any of the crafts or recipes posted here. All of the crafts and recipes are copyrighted and are the property of the participating AMC resource organizations listed in this newsletter. For questions concerning their individual copyrighted material, you need to visit the website listed in association with the craft(s) and recipe(s) that interest you and obtain the telephone number and/or e-mail address of the contact person(s).

If you would like friends on special listservs to know of this newsletter, please request that they download the newsletter directly from

http://www.amonco.org/montessori_fall_handson.html

Use special precautions when involving children in any craft or recipe where there is a potential for harm. Some children have special food allergies and/or other medical conditions like diabetes. Small children need supervision. Scissors, hot glue, hot stoves and ovens, and other elements in making some of these recipes and crafts need to be considered. Please consider carefully the age and maturity level of the child before allowing him or her to participate.

Be sure to visit each resource participant's site to see the marvelous selection of educational offerings you can use in your school and home classrooms. You'll also find creative, unique educational gift items that are sure to be enjoyed by the special young people in your life.

The following creative ideas are from the AMC Montessori Resource Center <http://www.amonco.org/directory.html> participants. Visit their websites for additional innovative ways to reach your students throughout the school year.

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from *Cooking With Children Can Be Easy*

Math Sequencing

Shari and Jerry

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Website: <http://www.shariandjerry.com>

Activities Submitted by Shari

Sound Effects Activities

Sound effects are used for two things in a play, background sounds to enhance the mood and other sounds to imitate action.

1. Cutting down a Tree

3-4 students can participate in this skit:

One student is a woodcutter

One student acts the part of a tree

Two students are doing the sound effects

Woodcutter stands near the tree with a pretend axe and gets ready to strike tree

Sound effects person watches and hits wood claves or drum together every time he strikes.

After three strikes, woodcutter says, "Timber",

Tree falls and the other sound effects person strikes cymbal or loud sound to show the tree hitting the ground.

2. Baseball Skit

5 students in skit with a group of students being the audience.

One Pitcher

One Batter

One Outfielder
One Catcher
Two students doing the sound effects
Audience.

Pitcher throws a pretend ball.
Sound effects person creates a swoosh sound.
Batter pretends to hit ball (pretend bat) as sound effects person strikes wood
claves, wood block, or drum.
Students sit/stand in bleachers and follow pretend ball with eyes in the same
direction (left to right for example).
Catcher catches ball as sound effects person creates a thud sound with
percussion.
People in bleachers clap

3. Creative Skits

Stage One:

Divide students into groups of 4-6.
Ask them to find and create sounds from a variety of natural materials

Here are some suggestions:

Thunder - shake or wobble a cookie sheet
Fire - crumple up a cellophane bag or newspaper
Crickets - rub a finger along the teeth of a comb
Horses' hooves - clap two empty plastic containers together with a galloping
rhythm
Rain sprinkle salt into a cone of wax paper
Waves - swish popcorn from side to side in a large plastic bowl
Walking fill a cookie sheet with gravel and walk on it
Rub a guitar pick on a metal strings to sound like a creaky door.

Recorded Sounds

Alarm clock,
Doorbell,
Telephone ringing,
Background voices using different pitching (high and low).
Record a sound and play it back in another deck so that it is slower or faster.

Invent sounds using a synthesizer. Some synthesizers can be connected to a computer where you can embellish and change the sounds and there are other computer programs to alter sounds.

Give them some percussion to use.

Stage 2:

After they have created 3-4 sounds, they are ready to invent a skit to use the sound effects. Give them some time to rehearse and then have each group perform in front of the class.

Have you Heard the Following About Honey?

Take a teaspoon of honey made by bees with each meal to relieve hay fever.

Soothe the discomfort of arthritis and rheumatism by applying a warm honey pack. To prepare- heat 1 cup water until warm, wring out a soft cloth in this mixture and apply to the hurting joint.

Ease the discomfort of arthritis by sipping a cup of warm willow tea sweetened with honey, before bed.

Eat some honey each day to have a strong heart and a quick mind well into old age.

For nearly instant energy, eat a tablespoon of honey.

Wipe down a new injury, 3 times a day with honey and it will not become infected.

Take the pain from a bee sting or the itch from mosquito bites by covering them with honey.

Dry chapped hands may be healed by rubbing them with honey each morning and evening. Leave on for 3 minutes, rinse and dry thoroughly.

Fight cold sores by dabbing them every few hours with undiluted honey. Dark honey is best.

Soothe nighttime leg cramps by taking 1 teaspoon clover honey at bedtime.



About Shari and Jerry

Shari and Jerry Tallon are International Children's Recording Artists, Producers of Winning Resources, Music Educators and Performers.

The Dinosaur Rock for Children

This item is available by visiting <http://www.shariandjerry.com/>

- Studies have found that children, who engage in socio-dramatic play, regularly are more friendly, popular, cooperative, verbal and creative, usually less impulsive and aggressive and more likely to take the perspective of others (Fein & Kinney, 1994).
- Children who enjoy pretending score higher in imagination and creativity (Berk & Winsler, 1995).
- There is ample evidence that music helps students develop the attitudes, characteristics and intellectual skills required to participate effectively in today's society and economy. The arts teach self-discipline, reinforce self-esteem and foster the thinking skills and creativity so valued in he

workplace such as teamwork and cooperation. (Schirrmacher 1991)

- Science is beginning to piece together how listening and playing music affects the brain. Those with Impaired language skills benefit because music is in a different channel in the brain.
- Music has a biological basis. It is clear that many brain regions participate in specific aspects of music processing.
- Cooperative dramatic play promotes language, vocabulary growth (Bock, 1997; Edwards 1997). Using different voices, gestures and becoming different characters promotes growth for moving out of the egocentric stage into a broader perception and sensitivity of others
- Memory is another area that is affected positively as the planning and implementation of thematic roles through stories or fantasy play helps memory and creates a foundation for later use of memory strategies (Berk & Winsler, 1995). Children who use this type of play have been found to have higher I.Q. scores.
- Socio-dramatic play is an excellent way of promoting cooperative play. Studies have found that children, who engage in this socio-dramatic play, regularly are more friendly, popular, cooperative, verbal and creative, usually less impulsive and aggressive and more likely to take the perspective of others (Fein & Kinney, 1994)

Cooks in the Classroom

Raise Money for Your School and Encourage Community Participation With Cooks in the Classroom!

Create your own cookbook with this Easy-to-Follow Manual & CD including:

- How to set up the cookbook, complete with title pages.
- Nutritional Information to cut and paste for your original recipes
- Graphics to cut and paste for your original recipes

- School Lunch Suggestions
- Helpful Hints
- Extra filler recipes

Simply ask students to bring in their favorite recipe and add it to the already existing information. Create a cover (a photo of some of the students works great!) Print it out and make a profit! All this for only \$29.95 Including a sample copy of a Cookbook (90 pages)

Call Shari Tallon for more information: (613)479-2293 or write cookbook@narrowayproductions.com

For more resources, please visit <http://www.shariandjerry.com>



LORD Company

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Website: <http://www.lordequip.com>

Recipe for Wood Dough for Sculpting Submitted by Richard

What you need:

1 cup clean sawdust

1/2 cup flour

a Tbs. liquid starch

1 cup water

What to do:

Mix ingredients together in bowl until a stiff dough is formed. Add water if too dry.

Model or sculpt to desired shape and let dry for 2 to 3 days.

Sandpaper can be used to smooth sculpture after it is completely dry.

Other ideas:

Use wood dough with cookie cutters and candy molds to create paperweights, beads, or tree ornaments.

Finished pieces can be painted or stained with a mixture of food coloring and water (6 drops of coloring to 1 Tbs. of water).



About LORD Company

Here are some additional new offerings from LORD Company:

We have "Vocational Tables" including a baking table, craft tables and carpenter tables. See <http://www.lordequip.com>

SCIENCE

PL-475LOOK is a Window Table with Plexiglas top that offers exercises in observation, classification, spoken language work and "Endless Possibilities" for 4 through early elementary age.

NEW CLASSROOMS - Infants/Toddlers

LORD Company has hard to find equipment and size appropriate furniture for infants and toddlers. We have seven pieces of furniture that explore all aspects of walking such as: straight forward, side step, side step curved, forward curved, include and steps. Our new product for the infant toddler is IT-347, the Trapezoidal Tunnel. This is a sturdy piece of furniture to crawl through, pull up, sit in, climb on, etc.

Lord Company has a series of products designed for “Writing to Perfection”. Our newest product in this group is a set of 10 groups of writing cards for children to “model” on their own writing paper. The “graded” approach encourages success, a self-paced work and repetition to perfection. It includes both manuscript and cursive exercises.

PRACTICAL LIFE

Our newest product helps children as it concerns large and small motor control. PE-384 “Sawing Exercise” is appropriate for upper twos through 6 years for psychomotor development.

To see the complete line of products available from Lord Company, please visit <http://www.lordequip.com>



Draw Your World

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Website: <http://www.drawyourworld.com>

Activity Submitted by Kim

Turtle Drawing Lesson

Visit <http://www.amonco.org/turtleset.jpg> to use with this lesson.

Learn About the Subject: Describe plant and animal life in and around a fresh water pond. Animals, plants and insects thrive in this environment. A turtle can swim in the still water and walk on the shore.

Draw the Subject: Start with paper and pencil. Using the step-by-step

instructions as a guide, help the children be successful by describing and pointing out the shapes and lines in Hannah's drawing.

Draw the Background: Have the children think about locations in and around the pond. Would they like to have their turtle in the water? Or, would they rather have their turtle walking on land? Do they want to include plants or insects in their drawing? Let the children draw creatively using their own ideas.

Write About the Subject: In this example, Hannah traced her name and the word "turtle", using the D'Nealian handwriting style.

<http://www.drawyourworld.com/handstyle.html> A curly line was pre-drawn on her writing paper with a tiny turtle on one end and a small egg on the other end. Hannah used her pencil to follow the path from the turtle to the egg. Adjust the writing assignment to make it appropriate for each of your children -- an older child could write a paragraph in cursive handwriting, while another child could copy several sentences about turtles in manuscript.

Color the Drawing: After finishing the writing assignment, have the children color their drawings using crayon, watercolor, felt colors or color pencil.



About Draw Your World

DrawYourWorld.com is from the authors of Draw-Write-Now®. Their books have step-by-step drawing instruction and short sentences for writing practice. In addition, each book is a complete unit study for exploring history, geography, science, and social studies. The lessons are flexible and easy for children to use independently or as a fun family activity. The series has won numerous awards for its value in the home as well as in the classroom. Visit

<http://www.drawyourworld.com>.



THE MUSIC HOUSE.COM

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Website: <http://www.themusichouse.com>

Recipe Submitted by Verna

Rice Pudding

1/2 gallon whole milk
1 cup rice
1 cup sugar
6 eggs
1 tsp vanilla

Put milk, rice and sugar in a large pot (no cover) and heat on high until it almost comes to a boil. Lower heat and simmer for approx. 45 minutes until rice is soft. Stir occasionally. Beat eggs in a separate bowl and add slowly to the rice mixture, mixing slowly. Turn heat off after eggs are mixed in. Add vanilla. Serve hot or cold with cinnamon or nutmeg sprinkled on top.



About THE MUSIC HOUSE.COM

Verna provided us with some of the latest Music House offerings:

“The Music Sets, offered through The Music House, was conceptualized by Lynn Kleiner. Perfectly adapted to the developmental skills of three different age groups, these sets are a terrific way to introduce children to the creative process of making music. Award winning safety-tested and age graded products and

accompanying videos that feature lots of fun-filled musical activities.

For children ages 2-5 we have the Music Set for Kids

<http://www.musichouseshop.com/store/iwRLKT.html> which includes a tambourine, rhythm sticks, maraca, jingle bells and a triangle. For children ages 3-8 years of age we have the Music Set for Kids Too!

<http://www.musichouseshop.com/store/iwRLKK.html> which includes a hand drum with mallet, tone block, finger cymbals, shaker egg. An accompanying video with fun-filled musical activities is also included. To transport the instruments, a clear case is provided that can be carried with a handle or as a backpack.

For children ages 0-2 we have the Music Set for Baby

<http://www.musichouseshop.com/store/iwRLKB.html> which includes a baby drum with mallet, a baby bell stick, maraca, and a red ""Peek-a-boo"" and baby book. A video is also included.

At The Music House <http://www.themusichouse.com> , you can find many items for the holiday gift giving season. We have many educational and fun toys and instruments for children of all ages.



Cotton's Journey

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Website: <http://www.cottonsjourney.com>

Activities Submitted by Janette

COTTON BOLL'S BOUNTY ACTIVITY

Objective

Student will be able to compare cotton lint varieties, predict and record, compute percentages, and discover the properties of spinning and crushing cottonseed oil.

Standards

1st-3rd, Mathematics, Life Sciences, Nature of Science

4th-6th, Mathematics, Life Sciences, Nature of Science

7th, Mathematics, Life Sciences, Nature of Science

Activity

1. Have students compare a Pima and an Upland boll and record their observations of the size, color of fiber and number of locks in each boll.
2. Have students to predict the number of seeds they expect to find in each boll; record predictions.
3. Have students predict and record the amount of time they think it will take to separate the lint from seeds of each boll.
4. For grades 4-8, use the gram weight scale to weigh each boll separately and then record its weigh in grams. Convert to US weight. Calculate haw many bolls would be in a 500-lb. Bale.
5. Separate lint from seeds, recording time required to complete the task; record the actual number of seeds per boll and compare total with earlier

predictions. Set aside lint and seed in separate piles.

6. For grades 4-8, Weigh seeds from Pima and Upland bolls; compute percentage of boll gross weight and convert to fraction. Weigh cottonseed and compute percentage of boll gross weight.

7. Pinch off a very small piece of lint from the reserved Pima and Upland lint. Slowly twist the lint between you fingers in one direction, while pulling lengthwise to demonstrate the spinning process. Measure and record the difference in length and strength of the Upland lint and Pima lint.

8. Remove the outer shell (hull) from a reserved cottonseed and remove the inside kernel. Crush the kernel between paper towels. Compare and record the oily nature of the Pima and Upland cottonseeds.

9. Have students make a list of cottonseed by-products found in their homes.

Cotton's Journey-A Field Trip Project in A Box Contributed by Janette

Have you ever wondered where the clothes you and your family wear come from? Or, the dressing you put on your salad? Or, the sheets and towels you use everyday? These questions and more can be answered by the comprehensive kit *Cotton's Journey-A Field Trip in A Box*.

Cotton's Journey curriculum is meant to give inquisitive minds a whole unit experience through the provided lesson guide & classroom resources. It puts into practice the inquiry-based approach and meets National Education Standards for English/Language Arts, Math, Science, and Social Studies. Lessons are easy to follow so that you may take ownership of this study unit by determining where each lesson fits into your plan; personalize curriculum to the needs of your students; and the opportunity to utilize curriculum that supports national recommendations.

Students are allowed to research and collect fact, achieve discovery, make sense of practical reasoning, and relate to actual pieces of life's-forming connections. The open-ended discussions, group learning and hands-on activities will create exciting learning. The teaching guide is sectioned into three units by grades 1-3, 4-6 and 7-8, provides a glossary, and recommended literature and resource list. Each lesson lists the objectives and the standards fulfilled, and follow a simple format to allow for quick reference, flexibility and time efficiency.

Lessons tie into other study topics as pre-Civil War economy, ancient cultures and the development of cotton in Egypt, gardening, life cycles, technology, U.S. colonial history and how agriculture effects our lives today.

Cotton's Journey kit includes:

1. Teaching guide
2. Cotton bolls of Pima (six) and Upland (five) varieties grown in the United States
3. Samples of cotton in various stages
4. Cotton planting seeds with instructions
5. Cottonseed oil
6. Colorful 24"x33" poster showing cotton in six stages of growth
7. Student booklet parallels included video
8. Fabric dictionary defines weaves and their uses
9. Twenty-five minute documentary video
10. Production flow chart
11. Additional information from cotton organizations

Making their own writing paper can be fun for students. The following papermaking activity is one example of many lessons included in ***Cotton's Journey-A Field Trip in A Box***, teaching guide.

Objective: Student will be able to experience the production of paper and realize that cotton is a renewable product.

Standards: Science-4th, 5th and 6th level, Investigation and Experimentation

Activity:

1. Tear Abaka paper or shred cotton linters (found at an art supply store) into small pieces and soak in warm water for at least 15 minutes.
2. Fill a blender with 3 cups of water. To prevent damage to the blender, turn it on low and slowly add cup of linters.
3. Grind the linters into a soupy mash or slurry.
4. Pour the pulp into a dishpan half full (14 cups) of warm water. Add 3-5 batches of slurry.
5. Carefully slide a piece of window screen under the slurry. Lift the screen and drain the water.
6. Evenly spread the layer of pulp on the screen. Place the screen upside down on several sheets of newspaper covered with a thick towel folded in half.
7. Absorb as much water from the underside of the screen with sponges or rags.
8. Cover with waxed paper and use bricks as weights to press water from the fibers. Allow the fiber to dry overnight.
9. Remove the bricks and waxed paper and carefully peel the sheet of paper off

the screen.

10. Paper may be sprayed with fabric starch or sizing and ironed. This will prevent bleeding when inks or paints are

To learn more about cotton and the art of papermaking *Cotton's Journey-A Field Trip In A Box* lists several extension lessons to compliment this activity. Visit <http://www.cottonsjourney.com> or additional cotton information, complementary resources and lessons for you cotton study unit.

Cotton's Journey-A Field Trip in A Box curriculum is meant to give inquisitive minds a whole unit experience. It puts into practice the inquiry-based approach and meets National Education Standards for all disciplines. Lessons are easy to follow so that you may take ownership of this study unit by determining where each lesson fits into your plan, and personalizing curriculum to the needs of your students. Students are allowed to research and collect fact, achieve discovery, make sense of practical reasoning, and make life-forming connections. The open-ended discussions, group learning and hands-on activities will create exciting learning. Kit includes: teaching guide, cotton bolls, Samples of cotton, planting seeds, cottonseed oil, poster, student booklet, dictionary, and video. The teaching guide is sectioned into three units by grades 1-3, 4-6 and 7-8. Each lesson lists the objectives, standards fulfilled, and follow a simple format to allow for quick reference and flexibility. Visit <http://www.cottonsjourney.com> for details today!



Cooking With Children Can Be Easy

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Website: <http://members.aol.com/amcpr2000/cooking.html>

Recipe Submitted by Kathy

Copyrighted 2009

This is a recipe I have used with toddlers (18 months) through adults (81 years). It tastes kind of like apple pie.

"APPLE SAUCE PARFAIT"

..a great fall recipe ...

Pour each ingredient into a clear glass or plastic cup, in the order listed, so you can see the layers. Place crackers in a pint or quart reclosable bag and use a rolling pin or can of food to roll and crush into crumbs.

STEP #	DIRECTION	CARD SEQUENCE	CARD #**
1.	Add	- 2 Tablespoons Apple Sauce	(120)
2.	Crush	- 1 square Graham Cracker	(59)
3.	Add	- 1 teaspoon Honey [optional]	(92)
4.	Add	- 2 Tablespoons Apple Sauce	(122)
5.	Crush	- 1 square Graham Cracker	(61)
6.	Add	- 1 dash Cinnamon	(63)

** (I am sorry my old computer is not able to send the picture/word cards)

Info for teachers cooking with a group of children.

SHOPPING LIST FOR 20 CHILDREN

- ___ 6 cups Apple Sauce*
- ___ 1 lb. box Graham Crackers
- ___ 3 heavy duty pint "zipper" type bags
- ___ 1 cup Honey

- __ 1/4 oz. Cinnamon
- __ 22 (9 oz.) clear Plastic Cups
- __ 1 package (24) Plastic Spoons

*To make your own sauce, just let the children peel, core, chop, and cook 10 apples in a crockpot until tender. then mash with a potato masher the day before.

STATION SET-UP OF EQUIPMENT

Place 22 clear plastic cups to the left of Station 1.

- Step 1- Tray, medium bowl for sauce, 1 Tablespoon measure, rubber spatula to level and scoop out
- Step 2- Tray, "zipper" type plastic bag, rolling pin
- Step 3- Tray, squeeze bottle for honey, 1 teaspoon measure, rubber spatula to scoop it out, washcloth for sticky fingers
- Step 4- Tray, medium bowl for sauce, 1 Tablespoon measure, rubber spatula to level and scoop out
- Step 5- Tray, reclosable type plastic bag, rolling pin
- Step 6- Tray, spice bottle or can with sift holes for cinnamon Spoons

- NOTES
- * The extra "zipper" type bag is on hand just in case one accidentally tears.
 - * Use real glasses instead of plastic if possible.

DISCUSS

- Before * Another kind of parfait (ice cream - layers of ice cream, fruit, syrup, and whipped cream)
- Before * How honey is made (by honeybees)
- During * Which food group apples are in (fruit)
- During * Where cinnamon comes from (the bark of a Laurel tree)
- During * How to close the "zipper" on the bag
- During * How to open the "zipper" type bag about 2" to pour the crumbs into the glass
- After * Other ways we eat crackers (with cheese, with peanut butter, plain with milk)
- After * Other kinds of sauce you could make (pear, tomato, etc.)

BOOKS

- ◇ "Each Peach, Pear, Plum" by Janet and Allan Ahlberg
- ◇ "Johnny Appleseed" (Check several different versions out of the library.)
- ◇ "The Amazing Apple Book" by Paulette Bourgeois
- ◇ "Apples... a Bushel of Fun & Facts" by Bernice Kohn
- ◇ "How Do Apples Grow" by Betsy Maestro
- ◇ "Who Got the Apple?" by Jan Loof

FINGER PLAY ◇ "Way up in the apple tree" (stretch arms up and out like a tree) "Two little apples looked at me" (hold hands around eyes like binoculars) "I shook that tree just as hard as I could" (pretend to shake the tree with both hands) "Down came the apples" (wave fingers as you move hands from over head to the ground) "Mmmmm, they were good" (rub stomach with both hands) (Source unknown)

ACTIVITIES

- ◇ The children can trace around square templates of different sizes on different colors of paper and cut them out (or you can precut them) to make collages.
- ◇ Go to an orchard and let each child pick an apple.
- ◇ Let the children peel the apples the day before and cook in a crockpot. Make your own sauce.
- ◇ Buy several different kinds of apples and have a tasting fair.
- ◇ Let the children draw or paint their own parfait creation.
- ◇ Compare the different versions of "Johnny Appleseed", making a chart of the information that was the same and what was different.

**from "Cooking With Children Can Be Easy" Copyrighted 2009
by Kathy O'Reilly**

This recipe is one of the children's favorites, including my daughter who still makes them at college.

"FRESH FRUIT FREEZE"

...great way to cool off when the heat is on...

STEP #	DIRECTION	CARD SEQUENCE	**CARD #
1.	Squeeze -	1/2 Orange	(7)
2.	Add -	1/2 frozen Banana	(8)
3.	Add -	2 whole frozen Strawberries	(9)
4.	Add -	1/4 teaspoon Vanilla Extract [optional]	(109)
5.	Add -	1/4 cup Fruit Juice	(60)
6.	Pour -	into blender	(10)
7.	Blend -	until smooth	(13)
8.	Pour -	into a glass	(45)

** (I am sorry my old computer is not able to send the picture/word cards)

Info for teachers cooking with a group of children.

SHOPPING LIST FOR 20 CHILDREN

- __ 11 Oranges
- __ 11 Bananas (peeled, cut and frozen)
- __ 2 quarts Strawberries (large, frozen)
- __ 1 oz. Vanilla Extract (pure, not imitation)
- __ 1 1/2 quarts 100% Fruit Juice (Apple or White Grape)
- __ 22 (9 oz.) Paper Cups
- __ 22 Straws (optional)

STATION SET-UP

Place 6 mixing bowls to the left of Station 1.

Step 1- Juicer, damp washcloth to keep juicer from slipping, large bowl for orange halves, trash container for peels (if using a handcrank juicer, you will need a 1-cup pitcher to catch the juice when it is squeezed)

Step 2- Tray, medium bowl for bananas (put out a few at a time), washcloth for messy fingers

Step 3- Tray, medium bowl for strawberries (put out a few at a time)

Step 4- Tray, 1/4 teaspoon measure, custard dish for vanilla and to hold spoon over when filling, eyedropper to fill spoon

Step 5- Tray, 2 cup plastic pitcher for juice, 1 cup glass liquid measure marked with a line at 1/4 cup

Step 6 & 7- Blender

Step 8- Paper cups, funnel (optional), straws (optional)

NOTES * Wash, cap and freeze fresh strawberries when they are in season, and when they are not in season, buy a bag of frozen whole strawberries. (Store brands are usually the least expensive.) Peel, cut, wrap, then freeze the bananas the day before.

- * Cut oranges in half except one to demonstrate the whole to half relationship.
- * Blend on "liquify" or the highest setting on the blender - the child can push the button to turn it on, then by the time s/he takes the mixing bowl back for someone else to use, it will be about time to turn it off.
- * If the freezer for the bananas and strawberries is not easily accessible to your cooking area, you will need a cooler with ice to keep them frozen.

DISCUSS:

- Before * Where oranges grow (on trees)
- Before * Where bananas grow (on stalks)
- Before * Where strawberries grow (on vines)
- During * How many halves make 1 whole? (2; 1/2 means 1 of 2 equal parts)
- During * How many fourths make 1 whole (4; 1/4 means 1 of 4 equal parts)
- During * Oranges and strawberries are a good source of Vitamin C
- During * Be sure the lid is on blender before turning it on
- After * Where vanilla comes from (the bean pod of a climbing orchid plant grown primarily in Mexico)
- After * Other foods we freeze to eat (ice, ice cream, popsicles, yogurt, etc.)

- BOOKS
- ◇ "The Little Mouse, The Red Ripe Strawberry and the Big Hungry Bear" by Don and Audrey Wood
 - ◇ "Strawberry" by Jennifer Coldrey & George Bernard

- ACTIVITIES
- ◇ Show the children how water changes to a solid when frozen, melts to a liquid and evaporates to a gas.
 - ◇ Set out a basket of plastic fruits for the children to sort according to the type of plant they come from.



About Cooking With Children Can Be Easy

The Complete System for Single Portion Recipes is already being used in over 1,100 classroom/programs in more than 40 states and 10 foreign countries.

- *Healthy and delicious child-tested recipes
- *The only book with shopping lists for each recipe
- *Set-up made easy with clear list of equipment needed for each step of every recipe
- *Picture/word direction cards for children - 134 (5" x 7") on cardstock.
- *Whole language - books and activities *Sturdily bound in 3-ring binder. **Visit <http://members.aol.com/amcpr2000/cooking.html> to learn more about this special cooking program and to order!!**

Kathy O'Reilly

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Available for Workshops



Conceptual Learning

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Website: <http://www.conceptuallearning.com>

Math Sequencing

Submitted by

Conceptual Learning Materials

<http://www.conceptuallearning.com>

281-488-3252

Numeration is the basis for all math concepts. An important aspect of that understanding is the ability to sequence numbers from least to greatest. Exercises are very easy to make.

Preparation

Place a sheet of cardstock or heavy-weight paper in "landscape position."

Divide paper into 24 small rectangles (six sections across, and four sections down).

Label first row with a small letter "A" in the lower right-hand corner of each rectangle.

In the same manner, label the second row of six with the letter "B", the third row with "C", and the fourth row with a "D".

Using a fine marker, write a sequence of numbers in each row.

Cut out all the rectangles, and place them in a container such as a hardware drawer, envelope, or small zip-lock bag.

Exercise

Sort the rectangles by letter. The A's will be in one pile, the B's in another, and so on.

Spread out the cards in the "A" group so all numbers are visible.

Sequence the cards in order from least to greatest.

Below the "A" sequence, repeat the process with the "B" cards.

Sequence the "C" and "D" cards in the same way.

Types of sequences

A variety of sequences can be devised. These include one-digit, two-digit, three-digit, four digit, six-digit, odd, even, multiples, fractions, decimals, and integers.

Samples

Visit <http://www.amonco.org/decimalorder.pdf>
<http://www.amonco.org/fourdigitorder.pdf>
<http://www.amonco.org/fractionorder.pdf>
<http://www.amonco.org/Integerorder.pdf>
<http://www.amonco.org/Instructionsforexercises.pdf>

for the PDF files with instructions as well as specific exercises in four-digit, fraction, decimal, and integer sequences. Merely place cardstock or heavy-weight paper in your printer to generate the exercises. Many additional exercises are available for purchase.



About Conceptual Learning

Conceptual Learning Materials has introduced several new series into the Insights into Math Concepts line.

To ease the children into more abstract fraction work, we have introduced "Fraction Match," a series of 15 matching exercises that include graphics, verbal expressions, and fraction symbols for various configurations. These include numerators of one, numerators greater than one, fraction of a set, improper fractions, mixed numbers, fractions on a number line, equivalencies, and simple addition of fractions. The work is appropriate for students in 2nd through 4th grades. Other recent fraction releases include "Fraction Operations" which focuses on addition & subtraction of unlike fractions. "More Fraction Operations" includes multiplication and division of fractions and mixed numbers as well as a comprehensive overview of all fraction operations. Previously released fraction series include "Fraction Concepts," "Fraction Line and Labels," and "Fraction Order."

Three levels of time have also been introduced. The incremental matching cards encompass time to the hour, half hour, quarter hour, five-minutes, and time

intervals of varying difficulty.

"Introduction to Decimals" has been expanded to include mixed rounding and as well as operations involving one and two-place decimals. Previously released decimal series include "Decimal Line and Labels," "Decimal Order," "Advanced Decimals, " as well as "Decimal/Fraction Equivalencies."

Please contact us for a new catalog and be sure to visit

<http://www.conceptuallearning.com>. We are looking forward to hearing from you!

End of Part 2

Read the other parts of this creative hands-on lesson planning newsletter by visiting

http://www.amonco.org/montessori_fall_handson.html

