

## Clover Kids Corner Activities



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## The ABCs of Exercise

Clover Kids can create every letter in the alphabet using their bodies. While participants wiggle, squirm and problem solve they are also getting good exercise, enhancing flexibility, agility, strength and awareness of their bodies.

### Stir the Soup

Each participant finds a partner to do this stretching activity. Both partners sit on the floor, face to face, with their feet touching in a wide straddle. They reach out and grab each other's wrists and move side to side and forward and back. Remind youth to keep their knees straight! Partners can make circles - small ones and then larger ones as muscles loosen.

### Balloon Soccer

Material needed is a 10-inch round balloon. This activity can be played outdoors or indoors in a wide, open room. Youth stand in a circle, shoulder to shoulder, holding hands. Youth kick the balloon around the circle passing to each player. After the balloon has been kicked around the circle, ask participants to take a giant step back and kick the balloon around again (hands may need to be dropped). Keep playing until there is no more space! Encourage youth to try kicking with the other leg in the opposite direction or pass the balloon by bouncing it off their heads.

Source: Couch Potato Challenge: Physical Fitness Activities for 4-H Youth Development Programs  
<http://www.4h.missouri.edu/go/health/>

For another physical fitness idea check out the Show-Me Shape initiative featured on the 4-H website  
<http://www.4h.missouri.edu/>

## Apple Taste Testing

### Supplies

- 6 different apple varieties (Tart varieties include McIntosh, Jonathon, Empire, Ida Red, Granny Smith and Braeburn; sweeter varieties: Red Delicious, Winesap, Fuji, Gala, Jonagold and Golden Delicious)
- Knife
- paper plates
- pencils

### Directions

1. Wash each apple. Cut the apples so that each child has one slice of each variety. Assign each variety a number.
2. Give each child a paper plate and pencil. Children should number their plates like the face of a clock.
3. Give each child a slice of each variety and tell them to put the slice at the corresponding number of on the plate.
4. Ask the children to taste each slice one at a time. Help them describe the taste. Is it sweet? Sour? Juicy? Dry? Soft? Crunchy? Mushy? Crisp? How many like the taste? How many dislike the taste?
5. Repeat the questions for each apple slice.
6. After all apples have been tasted, tally up the likes and dislike to learn which apples are preferred.

## **Balloons, Balls and Frisbees**

### **Supplies**

- Balloons
- Balls
- Frisbees
- bedsheet

### **Balloons**

1. Balloon balance – Each child can try balancing a balloon on the end of his/her finger for as long as possible.
2. Balloon wind – While standing in a circle children try to keep a balloon in the air by blowing on the ball.
3. Balloon volley – Standing together, children keep a balloon in the air using their hands only. Try introducing several balloons at a time!
4. Catch the balloon – Stand in a circle, toss a balloon in the air and call someone's name. That person catches the balloon before it falls to the ground.

### **Balls**

1. Sheet Bounce – By holding on the edges of a bed sheet, a group of children can bounce balls in the air from the center of the sheet. Try seeing how many times they can bounce a ball in the air before it falls to the ground.
2. Catch – A good, old fashioned game of catch!
3. Toss a Name Game – Children stand in a circle. A leader introduces the game by saying his/her first name, then tosses a ball or something to the person on his/her right or left. Continuing in one direction, each person says his/her first name and continues tossing the ball in sequence until the leader again has the ball. The leader then calls out someone's name in the circle and lofts the ball to him/her, and that person calls another individual's name, etc., etc. After the ball has been flying a few minutes and participants get a feel for names, introduce another ball or object, then a third ball just for fun.
4. Ball roll – Each child finds a partner. Sitting across from each other, the children roll the ball back and forth.

### **Frisbees**

1. Throw High – Encourage children to throw a Frisbee as high as possible.
2. Throw Low – Encourage children to throw a Frisbee as low as possible.
3. Catch – Play a game of catch.
4. Throw in a circle – Encourage children to stand in a circle and throw Frisbees to one another.

## **Bike or Scooter Games**

Bike riding (or scooters) is a fun way for children to be physically active. Determine a safe area large enough for riding bikes. Make sure it is a flat top area. Ask Clover Kid members to bring a bike to the meeting and try these games (scooters work for those without bikes or unable to ride a bike).

Remind children to follow bike/scooter safety tips before riding:

1. Always wear a helmet
2. Obey all traffic laws

### **Line Biking**

Draw a chalk line on the flat top surface for each child. Each child can then try to keep their front and back wheels on his/her chalk line from start to finish.

### **Fun Obstacle Course**

For each child, spread several carpet squares, paper, soda cans or other items in an obstacle course arrangement. Tell children the beginning and ending points and have them ride their bike or scooter through their own fun obstacle course.

### **Circle Biking**

Draw a large chalk circle on the flat top surface. One or two at a time, encourage children to keep their front wheel on the circle as they ride.

Other

Ask the children to think of other fun bike games to play.

### **Blue Teeth**

Find out how well you brush your teeth!

Test where you missed brushing by swirling food coloring that sticks to the plaque on your teeth.

1. Swish a small amount of food coloring around in your mouth. Be sure to spit it into a basin or sink and don't swallow it.
2. The color sticks best to plaque so it will be darker where you missed brushing your teeth. Now, look in a mirror!
3. The food coloring washes off your tongue and teeth easily.
4. (adapted from Ohio State University)

### **Bread in a Bag**

#### **Ingredients**

- 2 cups white flour
- 1 cup whole wheat flour
- 3 tablespoons powdered milk
- 3 tablespoons sugar
- 1 teaspoon salt
- 1 package Rapid Rise yeast
- 3 tablespoons vegetable oil
- 1 cup hot water (125 to 130 degrees F)
- Extra flour to use during kneading process

#### **Directions**

Combine white flour, whole wheat flour, yeast, sugar, salt, and powdered milk in a 1-gallon heavy duty Ziploc freezer bag. Squeeze upper part of bag to force out the air. Shake and work bag with fingers to blend ingredients. Add hot water and oil to dry ingredients. Reseal bag. Mix by working bag with fingers until the dough is completely mixed and pulls away from the bag. On floured surface, knead dough 5 minutes or until smooth and elastic. Put dough back into bag and let it rest 10 minutes. If working in teams, divide dough in half and shape. Let rise until double in size. Bake at 350 degrees for 20 to 30 minutes until golden brown. Remove from pan and cool on wire rack or dish towels. If time is limited and a stove is unavailable, children can take dough home to bake.

Source: <http://www.montana.edu/wwwpb/youth/recipe.html>

## Butter

### Ingredients

- Heavy cream
- Jar with a lid

### Directions

Pour heavy cream into a jar with a lid. Screw the lid on tight and begin to shake it. The cream has "globs" of fat and protein. By shaking the jar, the fat and protein move around in the cream and stick together. Keep shaking the cream back and forth until it thickens. It takes about 10 minutes to turn to butter.

The liquid that is leftover is buttermilk.

## Clay Candy

### Supplies

- 3 cups powdered sugar
- ¼ cup corn syrup
- ½ teaspoon salt
- ½ stick (1/4 cup) margarine, softened and cut into pieces
- 1 teaspoon vanilla extract
- Different colors of food coloring
- A large bowl
- Mixing Spoons
- Small Bowls

### Steps

1. Begin by combining the powdered sugar, corn syrup, salt, margarine, and vanilla in a large bowl.
2. Mix these ingredients until the dough is not sticky. More powdered sugar may need to be added to make it less sticky (from ¼ to 1/3 cup). However, add the extra sugar in slowly and be sure to stop when the dough feels dry.
3. Now divide the dough into balls and place each ball into separate bowls.
4. Add different colors of food coloring into each bowl.
5. Mix in the food coloring with a spoon to begin with. Once the coloring begins to blend, use your hands to really blend it together.
6. Now you can make all kinds of sculptures out of your edible clay!

\*Be sure to eat the sculptures soon after you make them so they do not turn into candy **rock** sculptures!

Source: "Candy Clay." Zoom 13 July 2006 - <http://pbskids.org/zoom>.

## Crazy Crayons

When heat is applied to a crayon, it begins to melt. When crayons are chopped into small pieces and baked, kids are able to combine different colors to make their own crazy color combinations.

### Supplies Needed

- A knife
- Crayons (a good way to get rid of old pieces of crayon)

- Mini-cake tins or any type of mold that come in different designs

### Steps

1. Parents or leaders can chop up the crayons into small pieces (pea-sized). The crayons can be kept in separate colors so the kids can mix the colors by themselves.
2. Preheat the oven to 150°.
3. The kids can mix the different colors of crayons and place them in the design they want by arranging them in the tin.
4. Bake until the waxes have melted, about 15 to 20 minutes.
5. After the wax has cooled, the shapes can be removed from the mold. If the crayon doesn't come out, stick the tray in the freezer for an hour and the crayons will release.
6. Now it is time to draw a picture with your brand new crayons!

### Cricket Thermometer

Crickets are sensitive to changes in air temperature and chirp at faster rates the temperature rises. It is possible to use the chirps of cricket to gauge temperature.

1. Catch or buy a cricket and put it in a jar.
2. Count the number of times the cricket chirps in 15 seconds.
3. Add 40 to this number.
4. The number you get should be the air temperature in degrees Fahrenheit.

Source: Cricket thermometers, Field and Stream, July 1993, Vol. 98 Issue 3, p21.

### Crystal Garden

#### Supplies (per child)

- 3 clean, dry sponges
- aluminum pie plate or cake pan
- 1/4 cup table salt
- 2 tbsp. ammonia
- 1/4 cup Laundry Bluening (you can buy this at a grocery store) food coloring (any color)

#### Directions

1. Arrange the sponges in the pie plate (cutting them if necessary)
2. Pour the salt, water, bluing, and ammonia into a mixing bowl and stir well
3. Pour the mixture over the sponges
4. Sprinkle drops of food coloring on the sponges
5. Let the pan sit. It may take hours, and sometimes several days to see the transformation to crystals. Clover Kids can report about the success of their crystals at the next meeting!

#### How does it work?

As water evaporates, some of the salt cannot be retained and crystals of salt form around the bluing particles. Bluing is made of a very fine blue iron powder suspended in water. The ammonia is added to speed up the evaporation process. Children, with the help of caregivers, can add more bluing, salt and water from time to time to keep beautiful crystal flowers blooming indefinitely.

## Dandelions

### What you need

- Magnifying glasses
- Whole pulled dandelions (with the roots)

### What you do

Access prior knowledge by asking the children what the flower is. Ask them what they know about dandelions? Where do they grow? How do they get there? What do we use dandelions for? Next, let them explore the dandelions by taking them apart – ask questions about what they are doing and encourage them to use all their senses – what does it smell like? What does it feel like? What does it sound like when you rub them together? Etc. If you can, include a dandelion that is seeding – and let them blow them and plant the seeds. Talk about how the seeds get around.

### Dandelion Painting

#### What you need

- Dandelions
- Paint
- Paper

#### What you do

Paint a picture using the dandelion as the paint brush. You can talk about how the different parts of the dandelions make different patterns, textures, etc in the art work.

### Dandelion Seed Pictures

#### What you need

- Paper
- Markers
- Glue
- “Seeded” dandelions

#### What you do

Draw an “outdoors” picture on paper. As they draw, you can tell a story taking a walk in a field and coming upon a HUGE patch of dandelions. All of the sudden a big wind came up and blew the dandelion seeds around. Fill in a few of the areas of the paper with glue and blow the dandelion onto the paper. It takes a lot of dandelions to fill a whole sheet so consider using half sheets.

Source - <http://www.extension.iastate.edu/4H/Clover/materials.htm> - May 2007 Newsletter

## Dog Biscuits

### Mix

- 2 cups wheat germ
- 1 cup cornmeal
- 3 cups wheat flour
- 3-4 cups white flour
- 4 teaspoon salt

### Add

- 1 egg
- 1 pkg. yeast

- 2 cups warm water
- 1 can condensed chicken broth

Knead ingredients together. Use cookie cutters to make shapes. Bake at 300 degrees F for 45 minutes.

## **Easy Soap Making**

### **Material**

- Glycerin soap in many colors (this only works with glycerin soap)
- Soap or candy molds
- Microwave
- Microwavable cups or paper cups
- Plastic or metal spoons and/or wooden sticks or coffee stirrers
- Knife

### **Instructions**

1. Cover table or work area with newspaper
2. Cut bars of soap into about three pieces each
3. Put a piece into a cup (cut the piece in half if you plan to mix colors)
4. Put soap in microwave and melt it on high for about 10-15 seconds (it may take longer on low-wattage microwaves. If it doesn't change to liquid in 15 seconds or it starts to bubble or boil, you may not have a pure glycerin soap bar)
5. Remove it using a potholder, and stir to mix thoroughly
6. Pour melted soap (work quickly, it hardens fast) into molds(to prevent sticking, oil the molds with cooking spray or oil)
7. Wait about 5 minutes for it to harden and cool
8. Remove from molds and continue the process
9. Put soap in gift bags or bath bags to give as presents!

## **Exercise Spinners**

### **Materials**

- paper plates, scissors
- thumbtacks
- construction paper strips (1 x 4")
- crayons

### **Directions**

Help children divide their paper plates into four sections. They can then write or draw an exercise (toe touches, jumping jacks, etc.) in each section and decorate the sections with a different color. Give each child a construction paper strip and thumb tack. Help attach them to the center of the plate. Spin it. Does it work? Help children make needed adjustments.

Have the children spread out. Let each child have a turn spinning a spinner and leading the group in the exercise. If duplications occur, ask the child who spun to think of a special way that the exercise could be done differently (backwards, in slow motion, etc.).

Source: "Fitness is Fun." Ohio 4-H Cloverbud Curriculum, Ohio State University Extension

## Exploring Fabric

### What you need

MANY DIFFERENT types of fabric (Try to get some burlap, silk, cotton, satin, etc.)

### What you do

Allow the children to “explore the fabric” by using their senses. Let them smell, see, feel, etc. the difference in fabric types. After they have explored the fabric, let them guess what each type is by only using their sense of smell or feel. What type of fabric do you think would be hot? What would keep you warm?

### What is Fabric Made Of?

#### What you need

- MANY DIFFERENT types of fabric
- Scissors

#### What you do

Give the children several different types of fabric. Let them try to rip, cut, and otherwise take the fabric apart. What happens when you take the fabric apart? Are all the fabrics as easy to take apart as the others? Which fabric was the easiest to rip? Would this be a good choice for a child to wear? Why? What do you see when you take the fabric apart? What is the fabric made of? (Etc.) You can graph the answers to visually show the children which fabric types were sturdier than the others.

### Making Fabric Dirty

#### What you need

- Different types of fabric cut into 12 inch squares
- Grass, dirt, markers, paint, ketchup, oil, etc. (ways to get the fabric dirty)

#### What you do

Let the children choose 3 different types of fabric to get dirty. Let them put different stains on the fabric. Make sure to mark on the fabric what the stain is. This will be important if you have washable and permanent markers etc. Are all fabrics as easy to get dirty as others? Which were the most difficult to get grass stains on? How about the marker? (Etc.) Which fabric would be good for a football player? Would that make a good choice for a football player? Why?

Source: <http://www.extension.iastate.edu/4H/Clover/models.htm>

## Field Trip Ideas

You don't have to look for a place that is far away or costly. Many of the best trips are not the first that come to mind. Take a moment and look in your area for:

- Small businesses, such as locally-owned stores and specialty shops
- Parks, forests, and wildlife preservation areas
- Large businesses, like regional, state and national companies
- Manufacturing and Distributing sites
- Service agencies, i.e. police, fire, transportation and medical facilities
- Commercial recreation areas, i.e. pools, bowling alleys, video arcades, theaters
- Community resources, i.e. museums, libraries, and historical spots
- Your own backyard and neighborhood

## **How Field Trips Fit In**

There are several ways field trips can fit into your plans:

1. Use the field trip as part of a regularly scheduled activity (i.e., have the children go to the grocery store to buy their snack and cooking ingredients.)
2. Use the field trip as part of a long-term topic or theme activity (i.e., visit a local recycling center as part of a month-long recycling project.)
3. Use the field trip as a one-time activity (i.e., visit the local leather shop before creating your own leather works of art.)
4. Use the field trip to create awareness or spur an interest (i.e., watch the local papers for “what’s happening.”)
5. Use the field trip to provide an otherwise unavailable opportunity (i.e., catch a special performance at the local theater.)
6. Use the field trip as a means to involve families (i.e., plan visits to parent work sites.)
7. Use the field trip just for fun!!

Adapted from National Network for Child Care Connections Newsletter, Sandra Davin School-age Connections, 1(6), pp 1-3. Urbana-Champaign, IL; University of Illinois Cooperative Extension Service.

## **Fingerprints**

What do you always have but always leave behind? Your fingerprints! No two fingerprints are exactly alike. Here is a way that you can look at your fingerprints. The Wind and Air activity helps children explore, well, wind and air!

### **Supplies**

- Pencil
- Paper
- Tape

### **Steps**

1. Take a pencil and scribble on a piece of paper until you have a nice black mark.
2. Rub your index finger in the mark.
3. Put a piece of transparent tape over your finger, press down, and pull it off.
4. Stick the tape on a piece of paper.
5. Now you are looking at your very own, one of a kind finger print.

Source: <http://pbskids.org/zoom/activities/sci/fingerprints.html>

## **Food Safety**

### **Supplies**

- 3 small dishes
- 3 packages dry yeast
- ¼ cup lukewarm water
- ¼ cup boiling water
- ¼ cup ice water
- Sugar (may not be needed, depending on the kind of yeast)

**What you do**

Read the yeast package to see if you need sugar to help the yeast grow. Empty one package of dry yeast into each of the three bowls. Put about ¼ cup of lukewarm water in one dish, ¼ cup boiling water in a second dish and ¼ cup ice water with an ice cube in the third. In a few minutes, you will see the difference and be able to talk about how yeast grows faster at room temperature than at hot or cold temperatures. That's because you started with billions of live yeast cells, and at the right temperature yeast produces a lot of gas (carbon dioxide) that makes it bubble and rise. Process: what happened to each of the bowls? Which grew fastest? What do you think can happen to food that isn't put in the refrigerator right away? Should you eat food that has been sitting out all day?

Source: <http://hgic.clemson.edu/factsheets/HGIC3607.htm>

**Football Pudding****Supplies**

- Spoons, markers and liquid measuring cup
- Quart size sealable bags – 1/participant
- Gallon size sealable bags – 1 for every 2 participants
- Instant pudding – one package (3.4 oz.) for every 2 participants
- Milk – 2/3 cup for each participant

**Directions**

Each youth puts ½ the package of instant pudding in a quart size sealable bag. Add 2/3-cup milk and seal bag WELL and mark with children's names. Two youth can place their WELL-SEALED quart bags into a gallon bag and close. Have children toss the bag to each other GENTLY (best done outside) until pudding is ready to eat. Pass out spoons and participants can eat from plastic bags.

(Source: Colorado State University Cooperative Extension 4-H Youth Development)

**Fresh Fruit Smoothies****Ingredients**

- 2 c. fresh strawberries or other fruit in season
- 2 c. vanilla yogurt
- 2 c. low-fat milk

**Directions**

1. Wash the strawberries and remove green caps.
2. Put all ingredients in a blender.
3. Blend on high speed until smooth.
4. Make ahead of time and store in the refrigerator until serving for a cool refreshing treat.

Serves 4 – 6.

Other simple ideas include celery stuffed with peanut butter and topped with raisins (ants on a log), trail mix made from ready-to-eat whole grain cereals mixed with raisins or cranberries, sliced fresh fruit, cheese and apple slices or air popped popcorn with 100% juice.

Source: Ohio 4-H Clover Buds Connection

<http://cloverbudconnections.osu.edu/spring2008.htm#story3> Reference:  
<http://www.mypyramid.gov/kids/>

## **Frosty Pictures**

### **What you need**

- Construction paper
- Epsom Salts
- Water
- Paint Brushes
- Bowls
- Crayons

### **What you do**

Have everyone draw a “winter” scene (i.e., snowman, holiday pictures, etc.) on a piece of construction paper. Mix up a solution of equal parts water and Epsom salts. Paint over the entire picture with the solution. As it dries, the solution makes shiny crystals over the pictures making it look like a winter wonderland!

## **Fun with Water**

Invite children to play outside with water. Remind them to bring a swimsuit and towel!

Ideas include:

1. Water balloon toss
2. Water painting - provide paint brushes and water in a bucket. Encourage children to "paint" with the water and watch how the water evaporates in the warm sun. Paint rocks, trees, the sidewalk, anything!
3. Car wash - children can bring and wash toy cars and vehicles
4. Water sprinklers
5. Spray bottles
6. Frozen water - ice cubes are refreshing and feel good as they melt in your hands on a hot summer day!
7. Watermelon - a fun snack after water play activities!

## **Grow Your Own Clovers**

### **Supplies**

- Clover seeds
- Potting soil
- Plastic cups (one per child)
- Plastic wrap
- Rubber bands

### **Directions**

1. Fill cups half full with potting soil
2. Sprinkle clover seeds on top of potting soil
3. Cover seeds with potting soil, but only fill the cup  $\frac{3}{4}$  full
4. Cover cups with plastic wrap and seal with a rubber band
5. When Children Get Home
6. Place cup in a warm, shaded location for the seeds to germinate (i.e., top of a refrigerator)

7. After the first seed leaf pushes through the dirt remove the plastic cover and place cup in a sunny area. It is important to keep the soil moist with fresh water.
8. After clovers begin growing transplant them into a bigger pot – either inside or outside
9. Encourage children to look through the clovers to see if they find the four leaf kind!

## Helper Hats

### Materials/Supplies

- Foam or paper visors
- Glue
- Foam shapes - variety (animals, letters, etc.)

### Directions

Choose a visor and decorate with foam shapes. Tell the children, "People usually remember to help out at home or take care of their responsibilities if they have a reminder. You can make your own special hat today and wear it when you're helping out at home. Think of this "helper hat" as your reminder.

## Homemade Granola

What you'll need:

- ½ cup oatmeal
- 1/8 cup cinnamon
- ¼ cup sugar
- 1 cup crushed graham crackers
- ¼ cup melted butter

Mix together all of the ingredients. Enjoy!

## How to Grow Crystals

### Sugar Crystals

#### Supplies

- water
- sugar
- string
- 1 pencil per child
- 1 glass jar or other heat-proof container per child

Boil 1½ cups of water for each child. Add ¾ cup of sugar per child and stir until dissolved. Pour the sugar solution into each jar. Tie a piece of string to a pencil. Lay the pencil over the jar and submerge the string in the solution. The string can be weighted in at the end to hang straight in the jar. Over a period of several days, sugar crystals will grow slowly on the string.

### Salt Crystals

#### Supplies

- water
- sugar
- string
- 1 pencil per child

- 1 glass jar or other heat-proof container per child

Boil 1 cup of water each child. Add  $\frac{1}{4}$  cup of salt per child and stir until dissolved. Pour the salt solution into the containers. Tie a piece of string to a pencil. Lay the pencil over the jar and submerge the string in the solution. The string can be weighted in at the end to hang straight in the jar.

Place the containers in warm location. Crystals will form over several days. The solution will be supersaturated when salt crystals begin to collect on the string. Optional: A piece of cardboard may be placed in the bottom of the container to act as a base for the crystals to grow.

## **Ice Cream in a Bag**

### **Ingredients per child**

- 1 Tbsp. sugar
- $\frac{1}{4}$  tsp. Vanilla
- $\frac{1}{2}$  cup milk
- 6 tbsp. rock salt
- 2 sealable food storage bags (1-quart size and 1-gallon size)
- Ice
- Spoon

### **Instructions**

1. Place sugar, vanilla and milk in small plastic bag and seal
2. Place small bag inside large bag
3. Place salt and ice in large bag
4. Seal large bag
5. Shake bags for approximately 15 minutes or until the mixture becomes thick or hard like ice cream
6. Eat!

## **Ice Fun**

### **What you need**

- Variety of containers of ice
- Rock Salt

### **What you do**

Place the various sizes of ice in a large container. Ask the children if they've ever slipped on the ice. What types of things do people use to make it safer to walk on the ice? Let the children predict what will happen if they pour rock salt on top of the ice, based on their past experiences. Then let them try it. What happens? Use the rock salt to make tunnels and different designs in the ice.

Source: Iowa 4-H Clover Kids, January 08 newsletter,  
<http://www.extension.iastate.edu/4H/Clover/materials.htm>

## Ice Painting

### Materials

- Ice Cubes
- Craft Sticks
- Tempera Paint Powder (several colors)
- Spoon
- Heavy paper

### Directions

To make an ice cube paintbrush, poke craft sticks into partially frozen ice cubes. Then continue to freeze solid. Take an ice cube paintbrush by its handle and rub it back and forth over the powdered color on the paper. Try putting small amounts of other colors on the paper and rubbing those with another ice cube paintbrush. Let dry.

**Shaving Cream Snow:** If real snow is not available, children can play with shaving cream and pretend it is snow. Pile it up, make snowmen and other creations.

**Snow Spray:** Provide children with spray bottles containing colored water (i.e., tempera paint powder colors like red, yellow and blue). Allow them to spray the snow and mix colors.

**Snow Bubbles:** Blowing bubbles outside when it is really cold is interesting - bubbles won't pop when it's minus-30 to minus-40 degrees below zero outside. Hopefully, it won't get cold enough for this to happen!

## Indoor Snow People

If you have snow accumulation, try this activity.

### Materials/Supplies

- Clean snow
- Plastic containers or plates
- Bucket for snow
- Mittens
- Small containers
- Colorful fabric for trim, buttons, raisins, etc.

Bring a bucket of clean snow inside. Have each child put on mittens or gloves and build snow people in the plastic container or on the plate. Decorate with a strip of fabric for a scarf, and add eyes and a nose.

For variations, create other snow creatures or spray paint the snow. If you don't have snow where you live, create "clean snow" by grating up bars of Ivory Soap. The gratings are easy to mold into shapes.

(Source: School-Age Notes, December 1997)

## Invisible Secret Messages

### Ingredients (per child)

- 1 small cup
- 2 tablespoons of lemon juice
- small brush or cotton swab
- sheet of white paper
- 1 wide dish or small cake pan
- 10 drops of iodine
- paper towels
- rubber gloves (optional)

### To Write the Secret Message

Pour the lemon juice in the cup. Ask each child to dip the brush or swab into the lemon juice and write a message or draw a picture on the paper. Let the paper dry completely (15 minutes). Ask them if they can see the writing.

### To Reveal the Secret Message

Fill dish or pan with 1/2 inch of water and mix in Iodine. Place the paper in the mixture and completely submerge it. After a few minutes, remove the paper and let it dry on the paper towels. Ask the children what the paper and writing looks like now.

### Chemistry Tip

Iodine molecules combine with the starch molecules in the paper to form a dark blue compound. When the Iodine combines with the Vitamin C in the lemon juice it forms a colorless compound instead. The writing on the paper stays white, while the rest of the paper turns blue.

Source - [www.museumtour.com](http://www.museumtour.com)

## Invisible Writing

### What you'll need:

- Lemon
- Bowl or cup
- Skewer Stick or toothpick
- Iron
- Paper
- Adult help

### Directions

1. Have an adult cut the lemon and squeeze some lemon juice into the bowl or cup.
2. Dip the stick into the juice, and write your message on the paper.
3. Wait for the juice to dry.
4. Have an adult iron the paper lightly, and the lemon writing will appear!

## **Irish Soda Bread**

### **Ingredients**

- 4 cups flour (unsifted)
- 1 tsp. baking soda
- 2 tablespoons sugar
- 1 tsp. Salt
- 1 cup seedless raisins
- 1 cup buttermilk
- 4 tablespoons butter

### **Directions**

Mix flour, soda, sugar and salt in large mixing bowl. Stir in raisins. Make a well in the mixture and pour in buttermilk. Stir until well blended. Knead dough 8 to 10 times on floured wax paper. Roll dough into a ball. Use 1 1/2 tablespoons of butter to grease cookie sheet. Place dough ball on cookie sheet and pat into thick circle. Use floured knife to make an X on top of loaf (keeps loaf from cracking). Spread remaining butter on tops and sides of bread. Bake loaf in preheated 375 degree oven for about 40 minutes. Check periodically to see if top of loaf is golden brown. Children can eat it with butter and green mint jelly!

## **Lip Balm**

### **Materials/Supplies**

- Double Boiler
- Empty film container (clean)
- ¼ tsp. flavoring like lemon, vanilla, orange
- Glass measuring cup
- Measuring spoons
- 3 Tbsp. olive oil
- 1 Tbsp. beeswax
- Food coloring

### **Directions**

Purchase beeswax at a health food or craft store. Put two to three cups of water in the bottom of a double boiler. Measure oil and beeswax and pour into the top of the boiler. With adult supervision heat the pan over medium heat until the wax melts. Remove the pan from heat and let cool one to two minutes. Add flavoring and one to two drops of food coloring. Pour the liquid into a measuring cup and then pour into the film container. Let cool at least 15 minutes.

## **Masquerade**

With this activity children can make their own masks.

### **Supplies Needed**

- Mask Pattern – children can make their own
- Any items can be used to decorate the mask (Examples: rhinestones, pom-poms, feathers, glue, etc.)
- Foam paper (for mask and any attachments) (Examples: ears, noses)
- Hole Punch
- String

- Scissors

### Steps

1. Cut out the mask shape from the foam paper.
2. Punch one hole on each side, to attach the string.
3. Allow the child to decorate his/her mask however he/she likes.
4. Let the mask sit to dry
5. Wear it with pride

Contributed by Danielle Roach, former Cass County 4-H member

Source: "Masks." [Sewing.org](http://www.sewing.org) 2006. 13 July 2006

[http://www.sewing.org/enthusiast/html/eo\\_mask.html](http://www.sewing.org/enthusiast/html/eo_mask.html)

## Memory Boxes

### Supplies

- Glue
- Scissors
- Construction paper
- Markers
- Foam shapes
- Sequins
- 1 large pizza box (clean and empty) per child (check local pizza restaurants for donations)
- Other craft items

### Directions

Glue construction paper to the lid of the pizza box and decorate with craft materials. Children can add their photo or other items, too. Each child will then have a box to store artwork, important papers and other items.

Idea submitted by Pat Forward, Rockbridge 4-H Clover Kids Leader, Boone County.

## Message Tiles

### Materials

- White ceramic tiles (4¼ inch square tiles)
- Stickers
- Clear gloss glaze (found in craft stores)
- Felt
- Tacky glue
- Colored markers
- Scissors
- Small paint brushes

### Directions

1. Lay a ceramic tile on a piece of felt and outline the tile with a marker.
2. Cut out the felt and glue it to the bottom of the ceramic tile.
3. Choose 2-4 small stickers to use and stick them in the corners of your ceramic tile.  
Be creative and decorate as many corners of the tile as you want. (Remember to leave room in the center of the tile for messages.)

4. Take a small paint brush and paint on the clear glaze over the stickers. Don't paint the whole tile, just over the stickers.
5. Let dry.
6. Take a marker and write a message or draw a picture in the middle of the tile. It will wipe off with a damp paper towel.

Put by the phone or on the kitchen counter and use it to write messages or notes to your family!

Source – Iowa State University Extension, 4-H Clover Kids Electronic Newsletter. Fall, 2007  
<http://www.extension.iastate.edu/4H/Clover/materials.htm>

## **Mini Heart Box**

### **Supplies**

- Mini Heart Boxes (cardboard boxes can be purchased at local craft stores)
- Red Paint
- Paint Brushes
- Ribbon/Lace
- Gemstones (can be purchased at local craft stores)
- Tacky glue
- Scissors
- Child's Photo

### **Instructions**

Each child paints a box. As the boxes are drying, help each child cut a heart shaped photo of him/her to glue on the box lid. Decorate the box with ribbon, lace and gemstones.

Children can fill with candy or small treasures to give to someone for Valentines Day.

## **More Ideas**

### **Pick-a-Praise**

Decorate a jar of some sort any way you want and when your child receives a compliment write it down and place it in your pick-a-praise jar so that on those days they can take some out and read them.

### **Yarn Dog**

Trace a good picture of a dog or another animal on a piece of cardboard. Cut yarn colors into strips of 1" to 2". An egg carton works well to separate the different colors. The yarn strands are glued to make the animals' outline, hair and tail. Draw in a mouth, eyes, and anything else that needs to be drawn.

### **Homemade Play dough**

Put 1 Cup of Salt and 1 Cup of Flour in a deep unbreakable bowl. Allow the child to mix the dry ingredients with a wooden spoon or hands. Slowly add 1 Cup of water and a few drops of food coloring. Continue to mix and then knead until it is smooth and elastic but not sticky. Dump the dough on a floured surface and roll it out with a rolling pi or a bottle. Let the kids use cookie cutters or a variety of other tools such as plastic knives, bottle caps, paperclips and so on.

### **Handprint Plaque**

Grease pie plates and prepare plaster of paris. Pour a small amount of paris into the pan. Have the child set their hand in the center and let it sit for a few minutes or until the paris sets. Remove hand and let paris dry and set completely. A nail should be inserted while it is still moist so that the handprint can be hung up. Try adding food coloring to the paris and this idea can be used for footprints also.

### **Picture Punch**

Give the children a half sheet of white paper and a hole punch. Let them make a design or a picture with the hole punch. Let the kids be creative. When the child is done glue it on to a colored piece of paper. Allow the children to color in anything they want on their picture to enhance the effect.

### **Maraca March**

Gather long neck plastic bottles such as ketchup or other sauce bottles. Partly fill the bottle with rice, beans, birdseed, macaroni, and any other small particles that you would like to add. Place lid back on it and seal it with masking tape. Wrap the masking tape around the bottle to make a comfortable handle. Have the children make two and have them shake it to music or to clapping.

### **Paper Chain People**

Fold white pieces of paper and have the kids cut out a person with the arms running off the paper. Have them unfold the paper and color the people.

### **Crinkle Crayon Print**

Give your child a piece of paper and let them draw a picture with crayons. Wade the paper up and dip it in water. Squeeze the water out and spread the paper out on newspaper. Paint over the picture with black or brown paint. Place another sheet of paper on top to soak up the excess paint. Separate the sheets and you will have a lithograph of the original picture.

### **Candle Wax Painting**

Have the kids draw a picture with a wax candle. The picture will appear invisible. Then have them paint over it with water colors. The original picture will show through after it dries.

### **Anatomy for Kids**

Get a few long sheets of butcher paper and plenty of colors or markers. Pick a few volunteers and trace their bodies. Let them get up and label the parts on the body such as nose, ears, fingernails, teeth, hair, belly button, elbows, kneecaps, chin, and heels. For older kids you can name and label other parts such as lungs, heart, and so forth.

### **Spoon People**

Give each child a spoon and materials such as cotton balls, pipe cleaners, markers, construction paper, tissue paper, scissors, glue, scrap material, and other craft materials. Cotton balls make good hair and beards. Use pipe cleaners and other items to make clothing for the dolls. Leave a little room at the bottom to hold on to the puppet with. Have the kids create a little play after they get done with puppets.

### **Mr. Potato Head**

Scrub and dry the potato. Make ears, nose, mouths, eyebrows, eyeballs, and any other features the children would like to have. Break tooth picks in two and insert the blunt end into the clay features. Have the child direct you to where the feature should go. Insert them into the potato with the sharp end.

### **Cork Boats**

Put Play dough on the bottom of corks to weigh them down. Cut sails out of a lightweight paper. Attach the sails to the toothpick mast and stick it in the cork. Set the boat in the water and adjust the Play dough so that the boat stays up right. Use straws to move the boats in the water. Conduct races to see who is the best at propelling their boat.

### **Edible Jewelry**

Cut pieces of yarn and let the kids thread them with lifesavers, cheerios, fruit loops, popcorn, miniature marshmallows, dried fruits, and other soft foods that will go through a darning needle.

### **Dream Makers**

Let the kids draw clouds and cut them out. Have them write their dreams on the clouds. Attach the clouds to a hanger using string and glue and/or tape.

## **Oobleck**

### **Supplies**

- Corn Starch
- Water
- Bowls
- Measuring cups
- Table covering

### **What you do**

COVER THE TABLE! Then, each child can measure  $\frac{1}{2}$  cup water with  $\frac{3}{4}$  cup cornstarch and put into a bowl. Have them mix it up with their fingers. Let them explore it for a while and talk about how it changes from a solid to a liquid. Ask what they think would happen if they changed the amount of either ingredient. Let them try different combinations. Talk about their experience. What did they do? How did that work? Did anything they did surprise them? Why? What changes did they make to the experiment? What did they think would happen? Why? What did happen? Why?

Source – Iowa State University Extension, 4-H Clover Kids Electronic Newsletter. October, 2007  
<http://www.extension.iastate.edu/4H/Clover/materials.htm>

## **Painted Flowerpot**

### **Materials (per child)**

- Unglazed clay (terracotta) flowerpot
- Acrylic paint
- Paintbrushes
- Optional - pack of flower seeds or a young plant and potting soil
- Optional - cellophane and ribbon to wrap the plant pot and plant

### **Directions**

Using acrylic paints, each child decorates a clay plant pot. Butterflies, flowers, geometric shapes, or polka pots are decorations to consider. Let dry completely. Optional: Children can fill the plant pot with potting soil and plant the seed of a fast growing flower (i.e., Marigold) or put in a small plant. Wrap with cellophane and tie with a ribbon.

## **Peanut Butter Balls**

### **Supplies**

- Bowls, spatula, wax paper, liquid and dry measuring cups (1 cup and ½ cup), and plastic bags
- ½ cup peanut butter
- 1 cup oatmeal
- ½ cup honey (use liquid measuring cup)
- 1 cup dry milk

### **Directions**

Have children mix ingredients together well. Ask participants to use their hands and roll the mixture into balls. Place balls on wax paper. This recipe makes enough for four to six children. Have plastic bags available for children to take home a snack. *Be sure to ask parents ahead of time if children have peanut allergies.*

Source: Colorado State University Cooperative Extension 4-H Youth Development

## **Penny Cleaning Factory**

### **Supplies**

- Pennies, 2/participant
- Water
- Soap
- Baking Soda
- Vinegar
- Salt

### **Directions**

Ask participants how they might be able to clean a penny. They may suggest water, soap, vinegar, soda, salt. Have each participant develop a hypothesis (a guess as to what might work) that he/she can test. Give each participant two pennies. One will be a “control” penny with nothing done to clean it. Participants test their hypotheses and then share results with the group. Note: salt and vinegar will make the penny shine.

Source: Colorado State University Cooperative Extension 4-H Youth Development

## **Pepper and Salt**

Scatter some coarse salt onto a table and mix it with ground pepper. Will you be able to separate the two again? Rub a plastic spoon with a wool cloth and hold it over the mixture. The pepper jumps up to the spoon and remains sticking to it.

The plastic spoon becomes electrically charged when it is rubbed and attracts the mixture. If you do not hold the spoon too low, the pepper rises first because it is lighter than the salt. To catch the salt grains, you must hold the spoon lower.

## Polishing Pennies

### Supplies

- Lemon juice
- Old, dull pennies
- Paper cups
- Paper towels

### Steps

1. Put a penny into a paper cup.
2. Pour enough lemon juice into the cup so the penny is completely covered.
3. Wait five minutes, and then take the penny out of the lemon juice.
4. Rub the penny with a paper towel.
5. How does the penny look now? It is BRIGHT and SHINY!

### What Happened?

A new penny is partly made from bright, shiny copper. But after a while, it loses its shine. Why? The copper mixes with the oxygen in the air and makes a coating called an oxide. When you put the penny in lemon juice, the acid in the lemon chemically removes the oxide, and you're left with a bright copper penny.

Source: Zoom. 13 July 2006 <http://pbskids.org/zoom>

Contributed by: Danielle Roach, former Cass County 4-H member

## Pop in a Bag

### Supplies

- Measuring spoons
- Sealable plastic sandwich bags, 1/participant
- Cream of Tartar, 1 tsp./participant
- Baking Soda, 1 tsp./participant
- Water, 3 tsp./participant

### Directions

Ask each child to put cream of tartar and baking soda into a sealable plastic sandwich bag. Seal bag and shake for 10 seconds. Add three teaspoons of water. Quickly reseal the bag. Ask the children to use their senses and tell what happened.

## Popcorn Taste Testing

### What you need

- Popcorn
- Salt
- Margarine
- Garlic Salt
- Parmesan Cheese
- Lawry's Seasoning Salt
- Caramel popcorn
- Cheesy popcorn

**What you do**

Make several different “seasoned” popcorn types. Vote and graph the results. Which was the group’s favorite?

Source – Iowa State University Extension 4-H -  
<http://www.extension.iastate.edu/4H/Clover/models.htm>

**Potato Prints****What you need**

- Potatoes
- Paint
- Cookie cutters
- Paper
- Knife

**What you do**

Cut a large potato in half. You will need a cookie cutter that fits on the potato half. Press the cookie cutter into the flat side of the potato. Then, using a knife cut the potato around the outside of the cookie cutter, leaving a shaped potato stamp. Have the children dip the potatoes in the paint and press them firmly onto the paper. (If the potatoes are not cut evenly the shapes will not appear clearly.)

**Produce Game**

This game helps Clover Kids learn to identify fruits and vegetables, using only the sense of touch. The game can also teach children that fruits and vegetables come from roots, stems, leaves, or fruits of plants.

**Items Needed**

- 1 recycled copy paper or printer paper box with detachable lid (the kind that holds about 10 reams).
- Pictures of fruits and vegetables from magazines, garden catalogues, etc.
- Small piece of felt or other cloth
- Variety of vegetables and fruits from garden or store (onions and ripe tomatoes not recommended!)

**Instructions**

1. Cut out pictures of vegetables and fruits to decorate the outside of the box.
2. Cut small window (about 6 x 8 in) in one side of box. Glue or staple cloth over window like a curtain, so players can't see inside.
3. Put produce in box (before the meeting so children won't see). A good mix includes bell pepper, sweet potato, carrot, celery stalk, leaf lettuce, lemon or lime, kiwi fruit.
4. Children take turns reaching inside (no peeking!) and guessing one or more vegetables or fruits, using only sense of touch and feeling shapes and textures of items inside. Players can whisper their guesses to the leader.
5. After everyone has had a chance to guess, take lid off and reveal what is inside.

Wash fruits and vegetables and have a tasting party!

## **Puffy Paint**

Mix equal parts flour, salt, and water in a bowl. Add desired amount of tempera paint. Pour the mixture into squeeze bottles. Squeeze out paint onto paper to create a design or picture. Mixture will harden into a puffy shape.

## **Pyramid Yogurt Sundae**

### **Ingredients**

- 2 1/2 cups of nonfat vanilla flavored yogurt
- 3 bananas
- 1/2 cup coarsely crushed cereal
- 1/2 cup chopped nuts

### **Directions**

Divide yogurt between 5 serving bowls. Slice the bananas and place in a bowl. Place crushed cereal in a bowl. Place chopped nuts in a bowl. Children can top their yogurt with bananas, cereal and nuts.

Enjoy! Serves 5.

## **Rock Candy**

### **Supplies**

- 4 cups sugar
- 2 cups water
- Small saucepan
- Wooden spoon
- Small, clean glass jar – one per child
- Measuring cup
- Cotton string – one per child
- Weight to hang on the string (Example: screw or galvanized washer) – one per child
- Waxed paper – one per child
- Pencil (to suspend the string in the jar) – one per child

### **Steps**

1. Heat the water in a saucepan over medium-high heat until it comes to a boil. A hot plate or microwave could be used.
2. Stir continuously with a wooden spoon to completely dissolve the sugar in the boiling water. Continue to stir until the solution grows clear and reaches a rolling boil.
3. Remove the solution from the heat, and carefully pour some into each jar.
4. Cover each jar with a small piece of waxed paper.
5. Tie the weight to one end of the string, and then tie the other end to the middle of the pencil. The string should be about two-thirds as long as the jar is deep. Dip the string into the sugar solution, then remove it.
6. Lay it on a piece of waxed paper, straighten it out, and let it dry for a few days.
7. Gently suspend the prepared string in the solution and let sit at room temperature, undisturbed for several days. You can check each day to see how much your crystals have grown. Even though it is tempting, don't touch the jar until the experiment is finished. (It usually takes about seven days.)

8. At the end of the week, the crystals on your string should be clearly defined, with sharp right angles and smooth faces of various sizes. Now your rock candy is ready to eat. Enjoy!

Source: "Rock Candy." The Accidental Scientist—Science of Cooking. 13 July 2006.  
[www.exploratorium.edu/cooking/candy/recipe-rockcandy](http://www.exploratorium.edu/cooking/candy/recipe-rockcandy)

## Sand Clay Castles

### What you need

- 1-cup sand
- 1/2-cup cornstarch
- 3/4-cup liquid starch
- Sand castle molds
- Sculpting tools-popsicle sticks etc.

### What you do

Combine sand and cornstarch in an old pot. Add liquid starch and mix. Cook the mixture over medium heat while constantly stirring (make sure an adult supervises). Eventually, the mixture will thicken and turn into dough. Remove pot from the stove and let Sand Castle Clay cool. Remove clay from the pot and knead it 20 - 30 seconds before putting it in the sand castle molds. Let Sand Castle Clay sculptures dry until hard.

Source: <http://www.extension.iastate.edu/4H/Clover/CKNewsletterJune03.doc>

## Science Experiments

1. Fill a clear cup with club soda and add a few raisins. What happens?
2. Put milk in a dish. Add different colors of food coloring and dish soap. Watch closely to see what happens to the colors.
3. Put popcorn seeds in a plastic bag with dirt. Seal and place near a window. What might grow?
4. Collect various items that can be put in a tub of water. Discuss which items will sink and which will float.

Source: School-Age Notes, April 2003

## Seed Sprouts: Does Light Make a Difference?

### Materials

- Sandwich bags
- paper towels
- navy beans
- permanent marker
- sprayer or mist bottle with water

### Directions

Give each child two bags, two paper towels, and six to eight navy beans. Help them label their bags. Label one bag "with light" and label the other bag "without light." Fold the paper towels to fit inside each bag. Spray with water until the paper towels are saturated. Place several seeds in each bag. Seal the bags. Ask the children to take the bags home; tape one to a window and put the other one in a closet or somewhere with no light. Keep the paper towels damp. Check on the seeds daily. What

happens?

**Related activity:** Take the children on a walk. Look under rocks or logs for seeds that have sprouted without the help of sunlight. What do they look like? What do you think will happen if they are kept in the sun? (Source: Cloverbud Program – Curriculum Instructional Materials, The Ohio State University Extension, 1994)

## Shaking Ice Cream

Yield: 1 small serving of ice cream

### Materials

- ½ cup milk
- 1 tbsp. sugar
- ¼ tsp. vanilla extract (or strawberry or other flavoring)
- 2 cups crushed ice
- 3 tbsp. rock salt

### Other Things

- Measuring cup
- Measuring spoons
- Pint-size baggie (Ziploc type)
- Gallon-size baggie (Ziploc type)
- plastic spoon

### Directions

1. Help children measure ½ cup milk, 1 tbsp. sugar and ¼ tsp. vanilla extract (or other flavoring) into a pint-size zip-able baggie. Squeeze out as much air as possible before sealing the baggie.
2. Place the pint-size zip-able baggie inside the gallon-size zip-able baggie. Add 2 cups crushed ice and 3 tbsp. rock salt to the gallon-size baggie. Squeeze the air out before sealing.
3. Have children shake the gallon-size baggie vigorously for several minutes. Let them problem solve the best way to do this: they may decide to work in teams, take turns individually, wrap the baggie in something to keep their hands from getting too cold, etc.
4. When the ice cream is of the desired consistency, remove the pint-size baggie from the gallon-size baggie and rinse it in clean water to remove the salt. Open the bag and eat!

### What happened?

Looking through the plastic baggies, the children can see the consistency of the milk mixture as it changes from a liquid to a solid, demonstrating that the properties of matter can change.

## Slime Time

### Supplies

- Mixing bowl
- 4 envelopes of unflavored gelatin
- Hot water
- Square baking pan
- Vegetable oil
- Liquid dishwashing detergent

- 2 small bowls
- Stop watch or a watch with a second hand
- Measuring cup

\* The supply quantity listed above is designed for approximately five children. If you have more than five children you will need to increase the amount of materials and supplies. Don't let children eat the gelatin cubes after they've been handled or after they're covered with liquid.

### **Directions**

In a mixing bowl, dissolve the gelatin in two cups of hot tap water. Coat the inside of the pan with vegetable oil. Pour the gelatin mixture into the pan and put it in the refrigerator until firm. Cut the gelatin into cubes about 1 inch x 1 inch (approximately 64 cubes). Place 15 cubes into one bowl. Place the second bowl about 6 inches away from the cube bowl.

Place the watch so that children can see it. Tell them that when you say go, they start picking up the cubes one at a time using their thumb and index finger (caution them not to squeeze!). See how many cubes they can transfer to the other bowl in 5 seconds.

Tell children to put all the cubes back in the first bowl. Pour ¼ cup dishwashing liquid over the cubes. Gently mix the detergent and the cubes so that the cubes are well-coated. Using the same method as before, ask children to transfer as many cubes as possible in 5 seconds.

Throw away the cubes and detergent and wash and dry both bowls. Put 15 new cubes into one bowl and pour ¼ cup water over the cubes, again making sure the cubes are thoroughly coated. Ask children to see how many cubes they can transfer in 5 seconds.

Again, throw away the cubes and water. Put 15 new cubes into one bowl. Pour ¼ cup of vegetable oil over the cubes. Make sure they are well coated. Again, ask children to see how many cubes they can transfer in 5 seconds.

Ask children to answer the following questions:

1. With which liquid were they able to transfer the most cubes?
2. With which liquid were they able to transfer the fewest cubes?
3. Which liquid was the best lubricant (the slipperiest)? Which was the worst?

## **Soapy Snowman**

### **Materials/Supplies per person**

- ½ cup water
- Mixer
- 2 cups Ivory Snow Detergent (not liquid!)
- Toothpicks, buttons, sticks, beads, felt scraps, yarn, chenille sticks, etc.

### **Instructions**

Mix Ivory Snow Detergent with water until it is a dough consistency (a mixer works well). Right away, shape the dough into 3 different sized balls. Use toothpicks to hold the balls together as you stack them. Add the decorations – arms, scarf, hat, etc.

Source: Iowa State University Extension, 4-H Clover Kids Electronic Newsletter. December, 2007  
<http://www.extension.iastate.edu/4H/Clover/materials.htm>

## Stained Glass Butterfly

### Materials/Supplies

- Wax paper
- Crayon shavings - variety of colors
- Paper towels
- Iron
- Hole-punch
- String or yarn

### Directions

Place wax paper butterfly shape on a flat surface. Put crayon shavings inside the butterfly shape (sparingly because too much makes it too hard to melt). Cover the wax paper with another piece of wax paper. Next, an adult irons the two layers of wax paper together on low heat (put a paper towel on top of the wax paper while ironing). Cut out the butterfly and punch a hole near the top. Put a string/yarn in the hole and hang it in a window.

## Stars

### What you need

- Juice can lid
- Hammer
- Tape
- Flashlight
- Nail

### What you do

Talk about stars in the sky (i.e., some are brighter than others, some nights it is easier to see stars than others, etc.). Help children hammer a few holes with a nail into a juice can lid. Ask children to tape the lid to a flashlight and shine it on a wall or ceiling. Talk about what you see!

## Stuffed Apple

### Ingredients

- 2 apples
- 1 cup peanut butter
- 1/2 cup nonfat dry milk
- 2 tablespoons crushed cereal
- 2 tablespoons corn syrup or honey

### Directions

Wash apples. Using an apple corer remove the core. Set the apples aside. Place all of the other ingredients in a small resealable freezer bag, close tightly. Children can mix the ingredients in the bag until thoroughly blended. Cut off one corner of the bag. Squeeze the filling into the center of the apples. Slice apples crosswise. Enjoy!

Source: <http://www.urbanext.uiuc.edu/cloverbuds/family/03summer-family.html> - University of Illinois Extension

## Valentine Cookie Pops

### Ingredients for a group of 10 children

- 20 vanilla wafer cookies
- ½ cup peanut butter (substitute frosting for children with peanut allergies)
- 1 six ounce bag white chocolate chips
- 1 six ounce bag semi sweet chocolate chips
- colored candy sprinkles, gummy bears (red, white and pink)
- cake decorating writer gel (green, pink, red, black and white)
- cake decorator frosting with flower tip (white, red, and pink)
- red food coloring
- ice cream or lollipop sticks
- wax paper or paper plates

### Instructions

Spread peanut butter (or frosting) onto the flat side of the cookies. Place an ice cream stick into the peanut butter on half the cookies. Top with another cookie so the stick is sandwiched between the two cookies. Melt the two bags of chocolate chips separately (i.e., white and semi sweet) and stir until smooth. Separate the white chocolate in two bowls and add a few drops of red food coloring to make pink chocolate.

Dip cookie pops in the melted chocolate, covering completely. Roll pops in red and white sprinkles and lay or stand on waxed paper or paper plate. Place in refrigerator to chill.

### Variations

**Writing** – Write fun Valentine shorts on plain pops such as “love” and add a gummy bear

**Hearts** – Use the decorator gel to draw on hearts and hearts with arrows

**Flowers** – Using the flower tip, pipe on colorful flowers with icing. Use the green gel to add stems and leaves.

Source: [http://www.thefamilycorner.com/family/kids/recipes/cookie\\_pops\\_valentine.shtml](http://www.thefamilycorner.com/family/kids/recipes/cookie_pops_valentine.shtml)

## Valentine Snack Pots

### What you need

- Terra cotta clay pots
- Pencils
- Acrylic paints
- Spray sealer
- Valentine stickers
- Ribbon
- Paint brushes
- Newspaper
- Pencil (With new eraser)
- Sponge
- Plastic terra cotta pot liner

### What you do

Lay the newspaper on a work space. First, show the children all the supplies and tell them to think about what they want their finished pot to look like. Paint the inside and the outside of the pot and let it dry. It may need more than one coat to cover it. Decorate the pot. Try different ways: polka dots

can be made by dipping the pencil eraser in paint and dabbing it on the pot. Stickers are easy to use. Conversation hearts can be glued on. Use a sponge to add another color on top of the old one. (Get the sponge wet, wring out the water, and dab it into the paint. Wipe off the extra paint on the newspaper. Dap it lightly onto the first color.) When it is all done, spray with acrylic sealer and let it dry. Put the liner in and fill with a nutritious snack (or conversation hearts!).

Source: Iowa 4-H Clover Kids, February 07 newsletter,  
<http://www.extension.iastate.edu/4H/Clover/materials.htm>

## Watermelon Slush

### Supplies

- Watermelon
- 6 crushed ice cubes
- Knife
- Spoon
- Plastic bag
- Blender
- Rubber spatula
- Drinking glasses

### Steps

1. Cut a watermelon in half with a knife (adult help).
2. Use a spoon to scoop out the pink part of the watermelon. You need about two cups of watermelon to make four slushes. (Be careful to remove seeds.)
3. Crush the ice by hitting ice in a bag.
4. Add the watermelon and crushed ice to the blender and blend for about 20 seconds.
5. Pour your Watermelon Slush into your glass and take a drink!

Source: "Watermelon Slush." Zoom. July 13, 2006. <http://pbskids.org/zoom>.  
Contributed by Danielle Roach, former Cass County 4-H member

## What's a Hundred?

### Collect Cans for Charity

Set a goal of collecting 100 cans of food to donate to a charity.

### Be Quiet for 100 Seconds

See if children can do it!

### Make a Paper Clip Chain with 100 Paper Clips

Ask each child to count out 100 paper clips and hook them together to make a chain. Compare a chain that is 100 clips long to one that is only 10 clips long, 20 clips long, and other lengths. *Parents or older youth may need to assist*

### Simple Math with 100 Small Items

Ask each child to bring 100 small items from home in a zip lock bag (dried beans, pennies, paper clips, buttons, pebbles, etc. - you may want to avoid edibles like jelly beans or m&m's). Investigate how 100 items look, how you can divide them into 10 groups of 10, 5 groups of 20, 4 groups of 25, or 2 groups of 50. *Parents or older youth may need to assist.*

**Make a Necklace with 100 Cheerios**

Ask each child to count out 100 cheerios (or other doughnut-shaped cereal) and string them onto a short length of yarn or string. *Parents of older youth may need to assist.*

**Wind and Air****Supplies**

- Ping Pong balls
- Straws
- Table

**What you do**

Place ping pong balls on the table. Have children stand on all sides of the table. Challenge them to see how fast they can get all the ping pong balls off the table by working together. Encourage them to share and try different ideas.