



**SOUTH DAKOTA STATE  
UNIVERSITY EXTENSION**



# Cloverbud Fun Zone

## Hands-on Activities

### Apple Science

#### Materials Needed:

- Apple pieces
- Small bowls or containers
- Vinegar
- Baking soda
- Milk
- Water
- Lemon juice

#### Instructions:

**Step 1:** Cut an apple into 6 pieces. Place a piece of apple in each container and cover it with a substance (water, milk, baking soda, vinegar, lemon juice). Leave one apple piece with nothing on it (the control). Label containers.

**Step 2:** Explain that the lemon juice has ascorbic acid (Vitamin C) and the oxygen reacted with it first before reacting with the enzymes in the apple. If the ascorbic acid in the lemon juice would get used up, then the oxygen would begin to react with the enzymes in the apple and browning would occur.

### Kaleidoscopes

#### Materials Needed:

- Paper towel tube
- 12 x 12 cardstock or scrapbook paper
- Thin clear plastic (can be scrap from packaging)
- Colorful translucent beads
- Cardboard
- Aluminum foil

- Hot glue gun
- Scissors
- Markers
- Washi tape or other decorations (optional)

#### Instructions:

**Step 1:** Start by gathering up all of your supplies. If you are using plain white paper, you can have the kids color and draw on it first.

**Step 2:** Squeeze glue all over the scrapbook paper and roll the paper towel tube on it. Hold it together for a few seconds to give the glue time to stick. Cut any excess paper from the ends.

**Step 3:** Trace the end of the paper towel tube on the scrap plastic three times and cut out all three circles. Hot glue one circle to the bottom end of the paper towel tube. Drop your beads into the tube. You want to put enough in to almost cover the plastic. Then place the second plastic circle inside the tube. You will need to use a pencil or marker to push it down to the bottom and loosely cover the beads.

**Step 4:** Cut three strips of cardboard that are 1 inch wide and almost as long as the tube you are using. Cover each strip with foil and glue them into a triangle shape and place inside the tube.

**Step 5:** Then glue the three 1 inch pieces together into a triangle and slide into the tube. The triangle piece should be pretty snug between the plastic ends.

**Step 6:** Glue the last plastic circle on the open end of the paper towel tube. This will be the end they look through. Then decorate the outside!

## Ice Breakers

### Hopscotch with a Twist

#### Materials Needed:

- Tape
- Individual letters printed on 8 1/2 x 11 paper

#### Instructions:

Place letters in hopscotch pattern. Kids then play hopscotch by landing on different letters. When they land on a letter they need to announce a favorite item of theirs beginning with that letter.

## Service Project Idea

### Smile Kits

#### Materials Needed (suggested):

- Mini sticker books
- Story cards
- Flash card puzzles
- Matchbox cars
- Finger puppets
- Animals
- Coloring tins
- Snacks

#### Instructions:

Have youth create kits for other kids in the hospital or for local ambulances to give out. Have youth put together kits and ask local departments if they would come pick up the kits during your meeting.

**Include this poem:** This Smile Kit was created just for you. It's filled with love and fun things to do. We hope you enjoy what is hidden within and that it brings you a great big grin!