

SCHOOL AGE

Week

32

Smart Activities



SMART CHOICE. SMARTER CHILD.®

Walking Horse

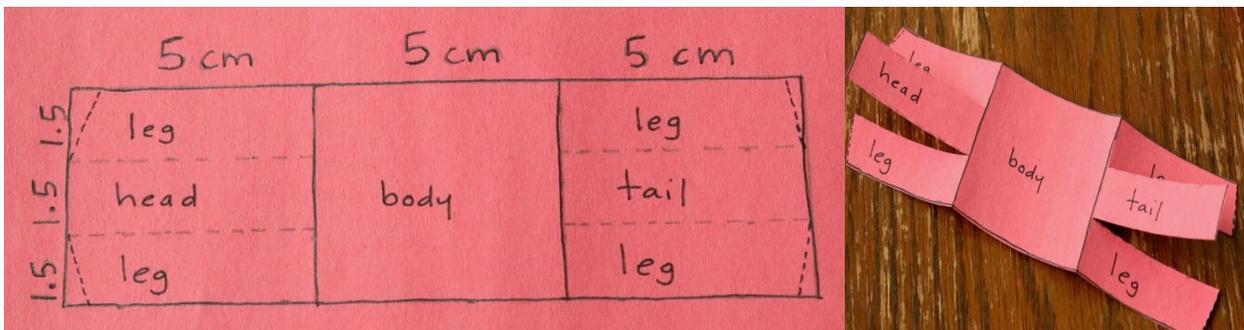
Materials: construction paper, scissors, ruler, pencil, markers, internet access

Preparation: Gather materials. Look at the following website for additional pictures:

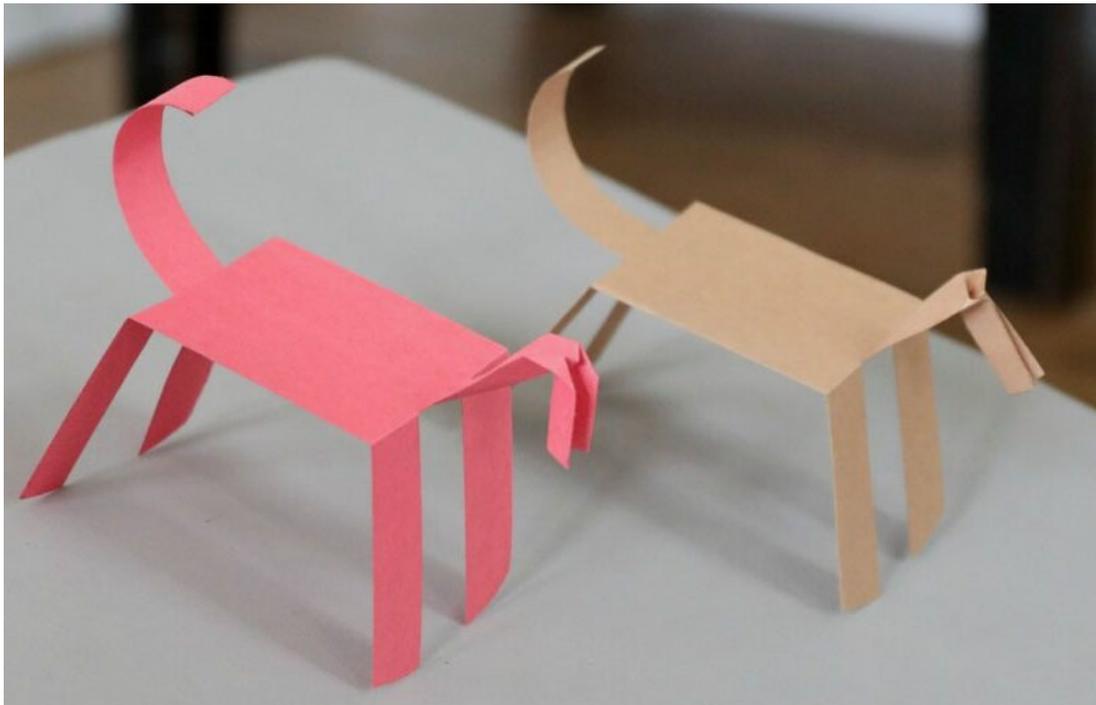
<https://frugalfun4boys.com/paper-horse-that-walks/>

Instructions:

1. Lay out your construction paper.
2. Use a metric ruler to draw the shape below. Take your pencil and ruler to draw a rectangle that is 15 cm by 4.5 cm. Then divide it up as shown in the picture below or look at the website.
3. Using your ruler divide the rectangle into 3 even parts of 5 cm and then 1.5 cm 3 times in both of your outer squares.
4. Cut around the perimeter of the rectangle. Then cut the DOTTED LINES inside the rectangle.



The paper horse walks by rocking back and forth on its curved feet. As the horse rocks from one foot to the other, gravity pulls the feet down the incline.



Jellyfish in a Bottle

Materials: plastic storage bag (gallon size for 1-liter bottle - if smaller bottle, use a quart size baggie), plastic water bottle (1 liter), scissors, permanent marker, blue food coloring, white yarn or string

Preparation: Gather materials.

Instructions:

1. First, cut open the plastic baggie along all sides. You will only need one side of the bag.
2. Place your finger in the center of the bag. This will become the jellyfish's head. The bigger your jellyfish's head, the more like a jellyfish it will be.
3. Next, draw a circle around the center of the bag so you can mark where your jellyfish's head will go.
4. Then tie a piece of string along the marked line.
5. Cut the bottom of the baggie into little strips. Do not just cut the plastic into ribbons. Cut off about 2/3 of the plastic's bulk, so you are left with eight or so thin strips hanging down.
6. Reopen your jellyfish's head and grasp it between two fingers, leaving the bottom open. Fill the jellyfish's head about halfway with water. Retie the bottom. Hang it upside down so it does not leak while you work on the next part.
7. Add a couple of drops of blue food coloring to the water (keep it light in color so you can see). Fill the bottle with water.
8. Gently push the jellyfish into the bottle's opening and arrange it so the head is up. Screw the lid on the bottle.
9. If it is done correctly, the jellyfish will always stay head up.



Hand Hokey Play

Materials: duct tape (optional), markers, craft sticks, glue gun (**adult use only**), black buttons or pennies, scissors

Preparation: Gather materials.

Instructions:

1. First, take a craft stick and cut the bottom quarter at an angle.
2. Glue the angled craft stick piece to one of the full-length craft sticks. (**Adult supervision or assistance needed.**)
3. Cut off about 1" of duct tape. Then cut in half. Using one half wrap it around the bottom piece attached to the craft stick. (see picture below). You can skip this step and step 4 and use markers instead.
4. Cut the other piece of duct tape evenly in half and attach each of those pieces to the top part of the craft stick. (see picture below).
5. Make a second stick using a different color of duct tape or marker.
6. Now find a place to play by yourself or with a partner. Make your goals using items from home such as boxes.



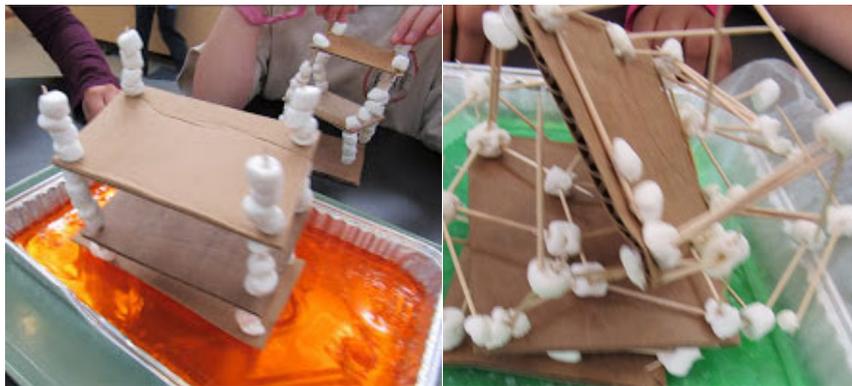
Earthquake House Shake, Rattle, and Yum

Materials: jello package (any flavor), water, aluminum pan, toothpicks, wooden skewers, marshmallows, scissors, cardboard pieces, tray or pan (larger than your aluminum pan)

Preparation: Gather materials. Make the jello following package directions and pour into aluminum pan. Allow the jello to solidify. (You may want to prepare the day before.)

Instructions:

1. First, design how you want to build your house. It must be at least 2 levels.
2. Using your materials, begin to assemble your house.
3. Once you are satisfied that your house is ready to survive an earthquake, you will pull your jello from the refrigerator and place on a larger pan. This will serve as your device to shake, rattle, and see if your house can withstand the pressure.
4. Now place your house in the center of the jello pan (do not submerge it into the jello).
5. Begin to pull gently and then push and pull harder.
6. Did your house survive?
7. If you have another person, have him/her pull and push back and forth with you.
8. Did it survive?
9. If not, try remodeling your house. If so, try creating a more complex building to test.



Marshmallow Edible Slime

Materials: 1 bag of marshmallows, $\frac{1}{4}$ cup of vegetable oil, $\frac{1}{2}$ cup powdered sugar, rainbow sprinkles or edible candies (optional), food coloring (optional), microwave safe bowl, microwave (**adult supervision or permission**)

Preparation: Gather materials. ***Have an adult available. *Remember to wash hands thoroughly before and after this activity.**

Instructions:

1. Pour the whole bag of marshmallows into a large microwave safe mixing bowl.
2. Microwave for 30 seconds and stop.
3. Mix the marshmallow mixture, then repeat in the microwave. Repeat until the marshmallows are entirely melted.
4. Stir until the marshmallows are all dissolved.
5. Add in the powdered sugar and $\frac{1}{4}$ c. of oil. Mix well.
6. Let it cool for about 15 minutes.
7. Coat your hands in some of the remaining oil and mix by hand. It will be sticky, but you can continue adding a little oil until it can be held and played with without sticking entirely.
8. Mix in 2-3 Tablespoons of rainbow sprinkles or your choice of candies.
9. Go ahead play with it, mold it, and then of course eat it!



Art Scrolling Television

Materials: empty snack box (i.e. cracker box), glue, tape, scissors, clear plastic food container, two cardboard tubes, rubber bands, paper, colored pencils, markers, white butcher paper (you could use wrapping white paper), cardstock or construction or wrapping paper

Preparation: Gather materials.

Instructions:

1. Carefully flatten your box down and pry open the glued seams gently (you'll need to glue the box back together so be careful). Cut 4 circles and a rectangular cut-out that will be your "screen." Save the cut out for a template for your pictures. Use your cardboard tubes as templates for the circles. Cover the outside of the box with cardstock, construction paper, or wrapping paper
2. Cut out a piece of your plastic container the size of your cut-out "screen" and tape it down over the cut-out rectangle on the inside of the box. (see pictures below)
3. Slide your cardboard tubes through the holes and add rubber bands on the top one to make sure there is some grip for the paper as it rolls. (see pictures below)
4. Cut out a piece of long paper to fit the length through your two cardboard tubes.
5. Using the rectangle cut-out from the cardboard, trace the shape on the butcher paper one under another leaving space for you turning and changing the screen (about 1/2" to 1"). (see pictures below)
6. Begin to draw your pictures.
7. After you have finished your pictures, roll the paper through the tube and secure with tape.
8. Now, it is almost time for the big show, but first you need to put your box back together. You have two options: 1) glue it back but that means you are stuck with the pictures you cannot change your pictures. OR 2) use masking or painter's tape to hold the seams back together in which case you can remove the drawing strip and replace with a new one. (see pictures below)
9. Decorate your TV by coloring and adding on buttons and features.

Picture Steps listed below:



Chain Reaction Craft Sticks

Materials: craft sticks (200+, any color), internet access, website:

<http://earlylearning.momtrusted.com/2013/03/popsicle-stick-chain-reaction/>

Preparation: Gather materials.

Instructions:

1. Watch the video at the website above to help guide you through the process.
2. Arrange 4 craft sticks into the pattern shown in the Step 2 picture.
3. Add another stick to the top to secure the end. This stick must go diagonally across to hold down the ends of the top horizontal stick and the right vertical stick. If it won't hold them both down, slide those two sticks out farther until they are successfully held down by the stick you added. (See Step 3 picture.)
4. Build the chain by adding craft sticks, one at a time to each side. Each stick should go over one stick and under one stick. (See Step 4 picture.)
5. When you get to the end and let go, the locked chain will explode. Make sure you have someone video as you build and when you let it go.



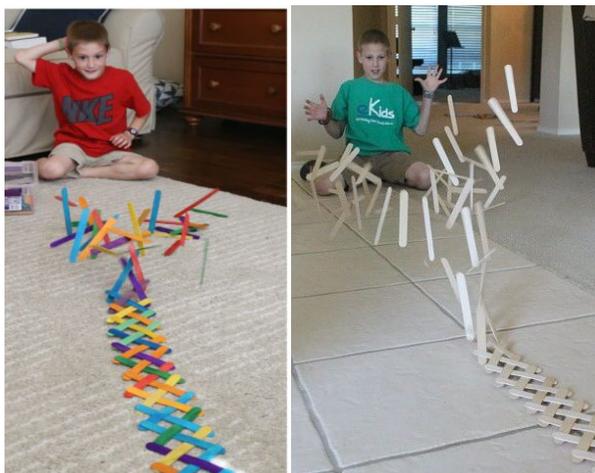
Step 2



Step 3



Step 4



Rock Dominos

Materials: 28 oval shaped rocks, craft paint (any color), foam brush, painter's pen (different from paint color), newspaper

Preparation: gather materials, lay out newspaper to keep from painting on surface

Instructions:

1. Paint all 28 oval shaped rocks using a foam paint brush and let them dry on the newspaper.
2. Then you can choose to paint the back and allow time to dry or go to Step 3.
3. Use a paint pen to draw a line across the center of each rock.
4. Then begin to draw the dots on the rocks on each side of the line using your paint pen.
 - Blank: Blank
 - Blank:1, 1:1
 - Blank:2, 1:2, 2:2
 - Blank:3, 1:3, 2:3, 3:3
 - Blank:4, 1:4, 2:4, 3:4, 4:4
 - Blank:5, 1:5, 2:5, 3:5, 4:5, 5:5
 - Blank:6, 1:6, 2:6, 3:6, 4:6, 5:6, 6:6
5. Then allow to time to fully dry.
6. You can spray the dominoes with a clear coat spray paint to make them waterproof, if desired.
7. Once completed, use your new set to play dominos with a friend or family member.

