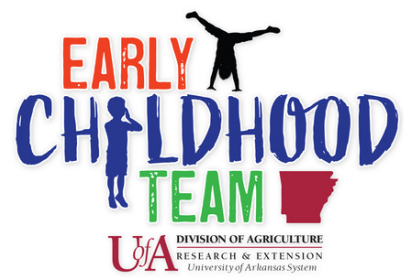


BALLOON ROCKET RACE



1. SUPPLIES

2 balloons, 2 straws, long piece of string, painters tape, scissors, 2 clothespins, and paper

2. SET UP

Set up your balloon race between two trees using your string. Cut a piece of string or yarn long enough to go from one end of the course to the other and back again. This can be done between any two stable objects, get creative!

Cut!

3. GET READY!

Next you need to get the straws prepared. Cut 3 triangles to use as the fins on the back of the balloon rocket. You want to have one of the corners a 90 degree angle (approximately). Next you want to tape 3 of these onto one end of a each straw to make it look like a rocket.

4. BALLOON TIME

First thing to do is blow up your balloons. They need to be attached to the straw when fully blown up. After blowing up the balloon, twist the end and pop a clothespin on. Once the balloons are blown up tape to the straws with the openings facing the back of the rockets.

5. RACE!

You are now ready to start the balloon straw rocket race! Have your kids each hold one balloon and have it as far back on the starting line of the string as possible. Start your countdown! 3-2-1-BLASTOFF! Finally, let go of the ends of the balloon rockets (the clothespins) at Blastoff and watch them zoom to the other end of the string to the finish line!

Who Won?



MAGNET EXPLORATION!

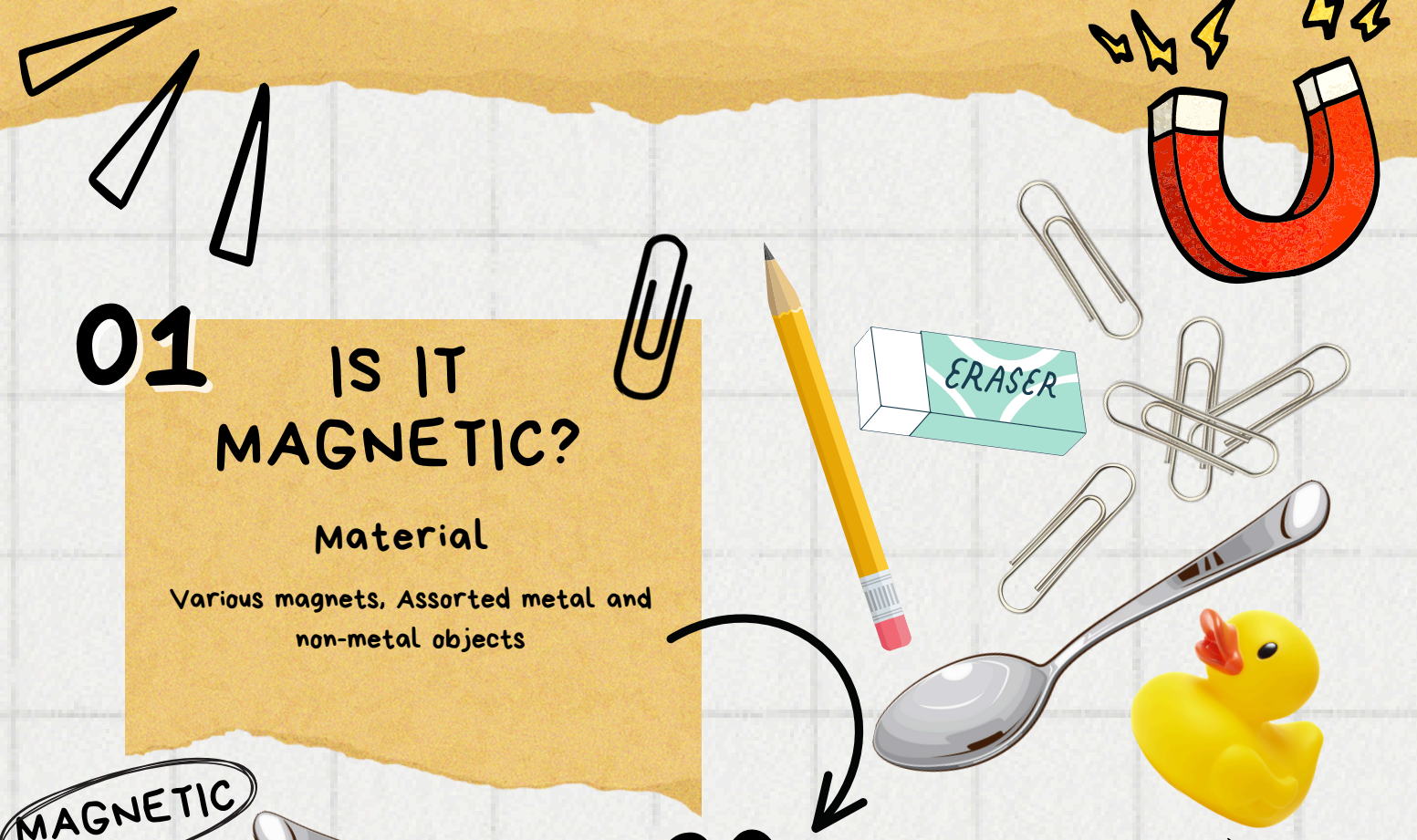
2 fun magnet activities for kids

01

IS IT MAGNETIC?

Material

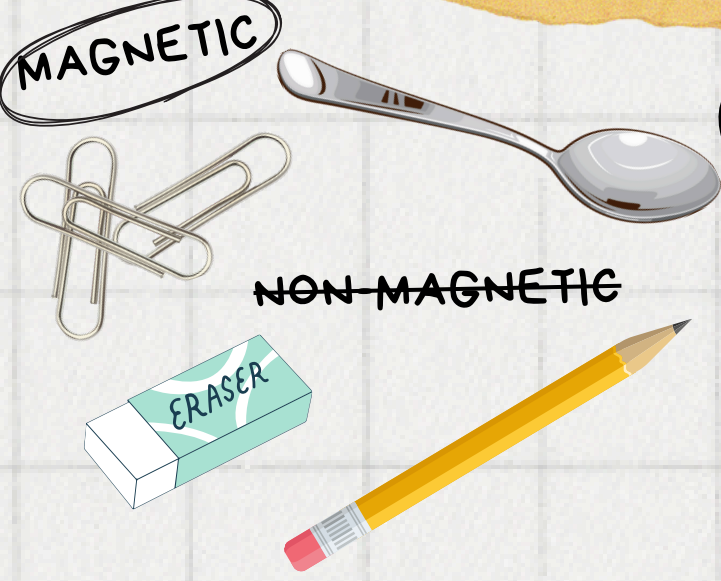
Various magnets, Assorted metal and non-metal objects



02

SORT

Have your kids gather random items from around the house—paper clips, plastic toys, a spoon, a pencil, eraser, etc. Hand them a magnet and let them play with the items. Once they find out which are magnetic, they can sort them into two sections!



01

PAINTING W MAGNETS!

Material

Paper, magnet, paint, paperclips, and a shoebox



02

MAKE ART!

Put a piece of paper at the bottom of a shoe box. Place a few drops of paint and a paperclip on the paper. Move a magnet around underneath the box and watch the colors blend together!



DIY RAIN GAUGE

Materials

- Clear plastic bottle
- Scissors
- Ruler
- Permanent marker
- Rocks
- Water



Step 1

Cut the top section off a clear bottle as shown. Use a ruler to mark measuring increments starting about 2" from the bottom.



Step 2

Place several small rocks in the bottom (for weight), then fill the bottle with water to the 0 mark. This will calibrate your gauge.

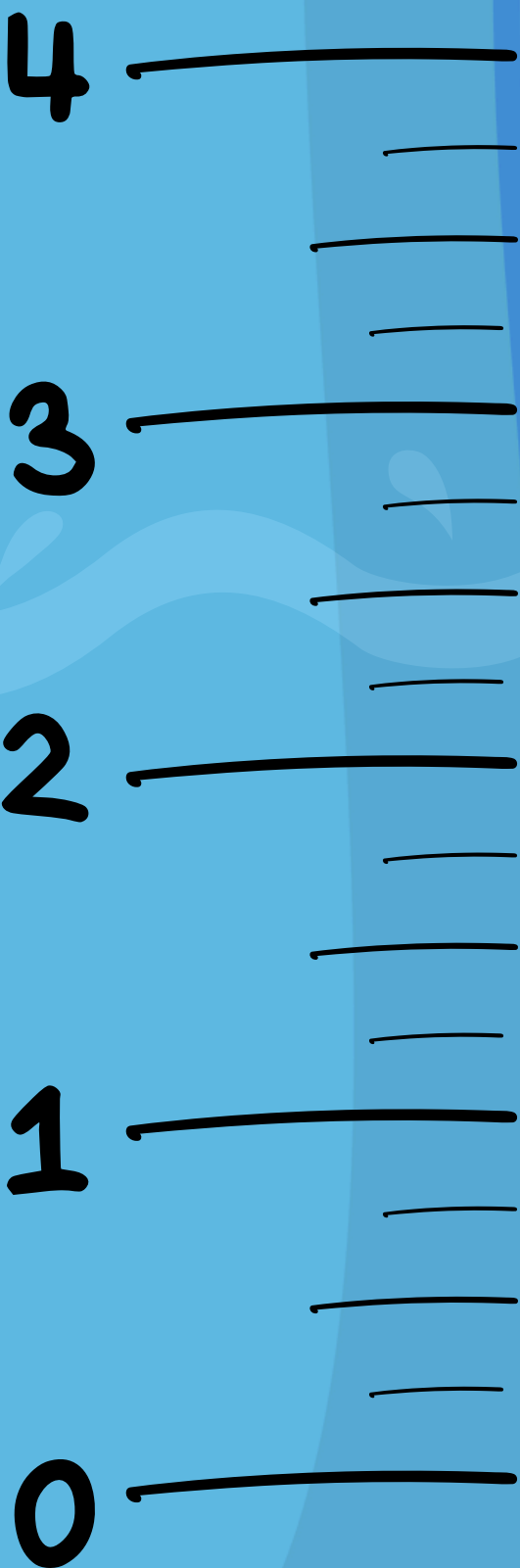
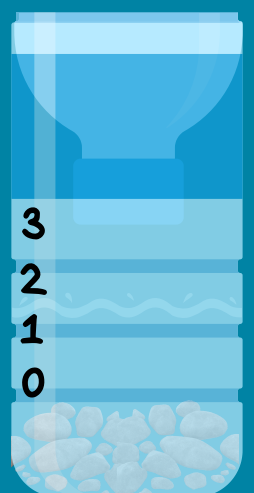


Step 3

Invert the top of the bottle into to rain gauge to act as a funnel. Place gauge on a flat surface outside.

Step 4

Wait for the next rain and observe and record rainfall amounts!



ICE Exploration

BRR

MATERIALS

- Items to freeze, such as leaves, shells, sticks, rocks etc.
- Plastic containers of different shapes and sizes
- Large bowls or flat plastic tubs
- Toothbrushes or nail brushes
- Eyedroppers
- Salt
- Towels
- Flashlights
- Water

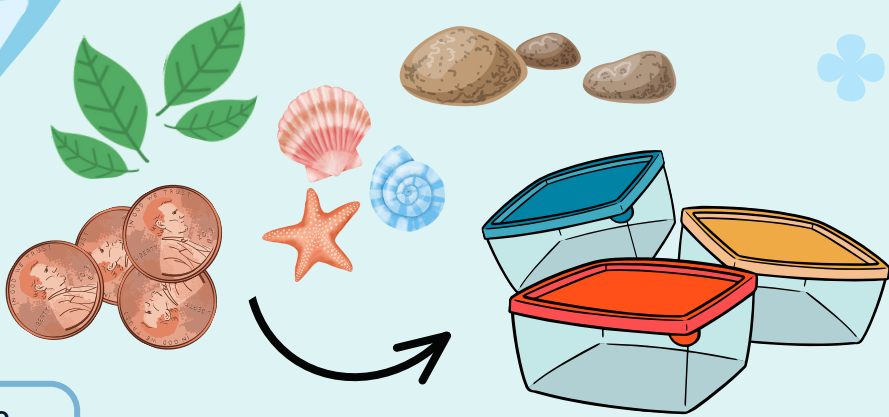


CHILLY



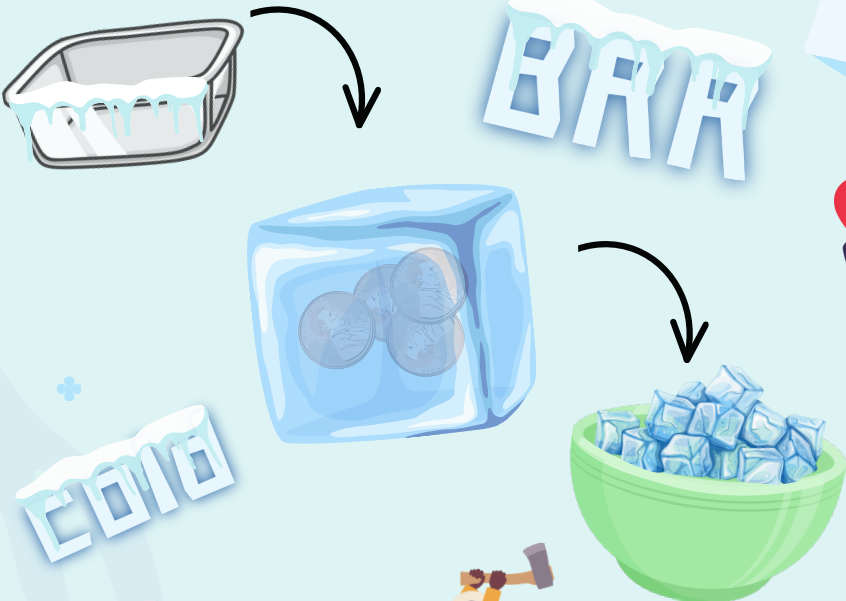
STEP 1

Place items like leaves, shells, rocks, and pennies into plastic containers filled with water. Place in freezer.



STEP 2

Once frozen, pop out the ice cubes and place them into a large bowl or flat plastic tub.



BRR



STEP 3

Look at the materials available as tools. Use these tools to excavate the items out of the ice. Things to consider:

- How will you use each tool?
- What do you think will happen when you use each tool?
- How can you get the items out of the ice?
- What other tools could you use?
- What other techniques could you try?



COOL

ICE

Dough

SCULPTING

For kids as young as 18 months, this makes for a fun activity for kids and adults!



Materials

- Large container
- Mixing tool
- 1 1/2 cup of Flour
- 1/2 cup of Salt
- 1/2 cup of Water
- Food Coloring (optional)

Mix!

Mix together your dry ingredients, the flour and salt until well combined. Then, add your water very slowly while mixing. If you are using food coloring, use a little less water or the mixture will become too sticky



Knead the Dough

Get those small hands in there to knead, fold, and gently punch the dough until the mixture is smooth.



Sculpt!

Find out what you can make and try different methods of building. Use your hands and find out!



SOLAR SMORES

How to make a solar oven for kids

SUPPLIES

- Cardboard pizza box
- Aluminum foil
- Plastic wrap or bag
- Black construction paper
- Tape
- Glue stick
- Pencil or wooden skewer
- Scissors or utility knife
- S'mores supplies: chocolate bar, graham crackers, marshmallows



Step 1

Cut the "oven door" flap on the top of the pizza box. The size depends on what you are cooking and how much access you need. Make sure the door is wide enough for MAXIMUM smores. Glue/tape a sheet of plastic wrap across the hole you've just created.

Step 2

Glue black construction paper to the bottom of the box. The black color absorbs the heat inside of the box. Next, glue aluminum foil to the inside of the door. The foil will reflect the sun's rays into the oven.



Step 3

Add a graham cracker, marshmallow, and piece of chocolate inside the oven and close the lid. Place your oven outside in the sun. To secure the top foil flap open, tap a wooden skewer/pencil to prop the lid open at an ideal angle.

