



Introduction to Weather Activity for Kids

Rain Gauge DIY

 Duration: **30 min**  Difficulty: **Medium**  Cost: **\$0 to \$5**

Make a simple rain gauge to observe how much it rains!

Material List

- 1** Ruler
- 1** Cup of sand or pebbles
- 1** Permanent marker
- 1** Empty 2-liter bottle
- 1** Pair of scissors
- 4** Paper clips
- 1** Rain journal

Instructions

- 1** Have an adult help you cut the top off an empty soda bottle.
- 2** Fill up the bottom part of the bottle with pebbles or sand.
- 3** Use a ruler to mark the bottle every inch or centimeter with a black mark.
- 4** Put the top part of the bottle that was cut off upside down over the opening.
- 5** Use four paper clips to hold it together.
- 6** Put your finished rain gauge outside to collect rain.
- 7** Record the amounts of rain in a rain journal.

How It Works

When it rains, the rain will fall into the rain gauge. The markings on the side can help you see how much rain falls on certain days or in certain months. Rainfall amounts from previous years are just one of the things weather scientists use to help predict the weather by looking at patterns.