

Build a Precipitation Gauge

Levels



Grades K-4

Overview:

During this activity, students build a precipitation gauge, which they will use in a later lesson to measure snowfall.

Objectives:

The student will make a simple instrument used for measuring snowfall.

GLEs Addressed:

Science

- [3-4] SA1.1 The student demonstrates an understanding of the processes of science by asking questions, predicting, observing, describing, measuring, classifying, making generalizations, inferring, and communicating.
- [4] SE2.2 The student demonstrates an understanding that solving problems involves different ways of thinking, perspectives, and curiosity by identifying multiple explanations (e.g., oral traditions, folklore, scientific theory) of everyday events (e.g., weather, seasonal changes).

Materials:

- Straight-sided bucket, approximately 3 gallons
- Ruler
- Permanent marker
- STUDENT INSTRUCTION SHEET: "Build a Precipitation Gauge"

Activity Procedure:

Follow the instructions on the STUDENT INSTRUCTION SHEET: "Build a Precipitation Gauge" to make one precipitation gauge for the class. The precipitation gauge will be used to measure snowfall during a future activity.

Name: _____

Levels

Build a Precipitation Gauge Student Instruction Sheet

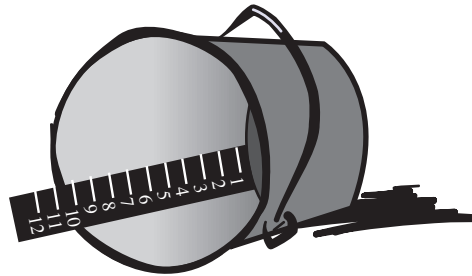


You will need:

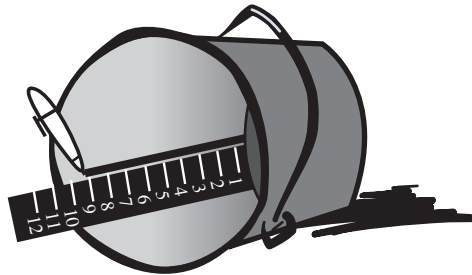
- Bucket
- Ruler
- Permanent marker

Build a Precipitation Gauge:

Step 1: Lay the bucket on its side. Place a ruler inside the bucket with the zero end of the ruler touching the bottom of the bucket.



Step 2: Hold the ruler in place and draw a straight line on the inside of the bucket from the bottom to the top.



Step 3: Mark this line and label it at one-inch intervals, starting from the bottom.

