

Rainy Day Delights

- You need**
- | | |
|--|---|
| <input checked="" type="checkbox"/> empty plastic soft-drink bottles | <input checked="" type="checkbox"/> water |
| <input checked="" type="checkbox"/> a small nail | <input checked="" type="checkbox"/> a hammer |
| <input checked="" type="checkbox"/> insulation tape | <input checked="" type="checkbox"/> a stopwatch |
| <input checked="" type="checkbox"/> a ruler | <input checked="" type="checkbox"/> scissors |
| <input checked="" type="checkbox"/> a marker pen | <input checked="" type="checkbox"/> a classmate |

Activity

Work with a classmate to make this simple rain gauge:

1. Carefully cut the top off a plastic soft-drink bottle.
2. Turn the top piece upside down and place it inside the other part of the bottle.
3. Tape the two pieces together with insulation tape.
4. Use a ruler to help you accurately mark a scale up the side of the bottle. Your marks should be 1 centimetre apart.
5. Number the bottom mark on your scale 0 and continue the numbering up from there.
6. Fill the bottle with water up to the 0 mark.

This will be your rain gauge.

Make a pourer out of another soft-drink bottle:

1. Take the liner out of the cap of the soft-drink bottle.
2. Punch holes in the cap using a nail and a hammer.

Fill the soft-drink bottle with water and screw the cap on. You can tip the bottle upside down to use as a pourer.

While your classmate times you, sprinkle water from your pourer over your rain gauge for 1 minute. Measure the amount of water that has gone into your rain gauge.

1. How much water do you think your rain gauge would collect if it rained for 24 hours?
2. Put your rain gauge outside and use it on wet days to measure rainfall.

