

YOUR MISSION, RANGER:

BUILD YOUR WEATHER STATION

Lesson 7 · Your final mission: become an official weather watcher.

GEAR YOU NEED

- Empty plastic bottle (rain gauge)
- Ruler + permanent marker
- A stick + paper arrow (wind vane)
- Tape, scissors, a grown-up helper

HOW TO COMPLETE THE MISSION

- 1 RAIN GAUGE: Cut the top off a bottle. Flip it upside down inside.
- 2 Mark a scale in mm up the side. Place it outside in an open spot.
- 3 WIND VANE: Tape a paper arrow to the top of a stick. Push it in the ground.
- 4 Watch which way the arrow points — that's the wind direction!
- 5 For 5 days, record rain (mm) and wind direction (N/S/E/W).
- 6 Present your findings to your family — you are now a ranger weather watcher!

RANGER TIP

Real weather stations do exactly this but with more gadgets.
You've built the same tools scientists used 100 years ago.
Simple tools + sharp eyes = big discoveries.

BONUS CHALLENGE

Add a thermometer. Take a temperature reading every morning and every evening. Can you predict tomorrow's weather?

FIELD NOTES / SKETCH

SCOUT SAYS:

You have completed all 7 Weather Watcher missions, Ranger.
Bring this card + your journal to claim your 🐾 Weather Watcher
Badge. I am SO proud of you. Keep looking up!

RANGER STAMP

DATE COMPLETED

