



Lesson: Measuring Weather

Name:

Teacher:

Date:

## Measuring Weather Lesson Plan

**NGSS:** *MS-ESS2-5 – Collect data to provide evidence for how air masses and weather conditions change using weather instruments.*

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**Objective:** Students will identify key weather instruments and work in groups to build a simple anemometer.

**Materials:** Thermometer, rain gauge image, barometer image, cups, straws, pencils with erasers, push pins, tape, scissors, fan (optional).

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## Procedure

### 1. Introduction (5 min)

Short discussion on how scientists measure weather and why it matters.

### 2. Direct Instruction (10 min)

Explain:

- Thermometer – temperature
- Rain Gauge – rainfall
- Barometer – air pressure
- Anemometer – wind speed

### 3. Group Project: Build an Anemometer (15–20 min)

- Students work in small groups to construct an anemometer.
- Test the device using a fan or gentle blowing.
- Groups write a brief explanation of what an anemometer measures and why it is useful.



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#### 4. Sharing (5 min)

Groups present their anemometers and explain their purpose.

#### 5. Exit Ticket (5 min)

*"The anemometer measures \_\_\_\_\_ and helps us because \_\_\_\_\_."*

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#### Safety

- Handle scissors and push pins carefully.
  - Keep fingers away from spinning cups.
  - Use fans on low setting during testing.
  - Remind students not to play with materials.
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#### Accommodations

##### ELL Supports:

- Provide labeled images of each instrument.
- Use sentence stems for writing.

##### ESE/504 Supports:

- Give step-by-step visual instructions.
- Pair students with supportive partners.
- Provide pre-cut materials if needed.