

Elementary STEM Activity 6

Subject: Science (Earth & Space Science)

Topic: Weather Observation Station

Grade Level: 1-5

Objective:

Students will observe and record daily weather conditions to identify patterns over time.

Learning Outcome:

- Collect weather data (sunny, cloudy, rainy, windy).
- Organize data in a chart.
- Describe weekly weather patterns using evidence.

Materials Needed:

- Class weather chart
- Markers/stickers
- Thermometer (optional)
- Wind sock (optional)

Activity Steps:

1. Create a class chart with days of the week and weather categories.
2. Each day, students observe the sky and choose the best match (sunny/cloudy/rainy/windy).
3. Record temperature if a thermometer is available.
4. At the end of the week, count how many days of each weather type occurred.
5. Create a simple bar graph (teacher-guided).
6. Discuss how weather affects clothing, travel, and activities.

Recording Table:

Day	Weather Type	Temperature (optional)
Mon		
Tue		
Wed		
Thu		
Fri		

Discussion Questions:

- What weather happened most this week?
- Did the temperature change each day?
- How does weather affect what we wear?
- How can we prepare for bad weather?

Extension Activity:

Have students watch a weather forecast and compare it to the next day's real weather.

Illustration:

Weather Chart

