Keep a Weather Chart

**What You Need**

- Outdoor thermometer
- Wind finder
- Crayons

**Find Out**

Do this activity to see how the weather changes.

**Process Skills**

- Predicting
- Measuring
- Observing
- Communicating
- Interpreting Data
- Inferring

**Time**

- 30 minutes to get started
- 10 minutes twice a day for two weeks
**WHAT TO DO**

1. **Predict** how the weather will change from day to day.

2. Put the thermometer outside, away from direct sunlight.

3. **Find** the temperature. **Mark** the temperature on the chart.

4. Put the wind finder outside.

5. **Observe** the wind finder. **Record** on the chart if the wind is blowing.

6. **Record** if there is rain, snow, clouds, or sunshine.

As a year-long class project, have students continue to make weather observations to recognize patterns of seasonal change.
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<th>Temperature p.m.</th>
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<th>Rain</th>
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Provide another chart for students to continue the investigation.
Conclusions

1. How did the weather change?

Answers will vary depending upon data collected.

2. How much did it change from day to day?
   Look for patterns in the weather.
   Tell about the patterns.

Answers will vary based on data collected. Students may see patterns between morning and afternoon measurements, such as warmer temperatures in the afternoon.

New Questions

1. What could you find out if you took weather measurements all year long?

Weather measurements taken over a year would show how weather changes with the seasons; which months are coldest, hottest, wettest; and so on.

2. Ask a question you still have about weather.

Accept all questions.
Activity Journal
Lesson 1 • Daily Weather

Name __________________________

ACTIVITY

Measuring Temperature

Look at the thermometer.

Draw the red line.

Starting Temperature

Placement of line will depend on the temperature outside.
Look at the thermometer.

Draw the red line.

Two Hours Later

Placement of line will depend on the temperature outside.
Activity Journal
Lesson 2 • The Seasons

Name __________________________

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Changing Seasons

**Draw** a picture of winter.

Drawings will vary, but should include typical winter images, activities, and objects, such as a snowman, a person skiing, or a scarf and boots.

**Draw** a picture of spring.

Drawings will vary, but should include typical spring images, activities, and objects, such as flowers, a person kicking a soccer ball, or a short-sleeved shirt.
**Activity Journal**

**Lesson 2 • The Seasons**

Name __________________________

**Draw** a picture of summer.

Drawings will vary, but should include typical summer images, activities, and objects, such as a sailboat on lake, a person wearing a bathing suit, or a baseball cap.

**Draw** a picture of fall.

Drawings will vary, but should include typical fall images, activities, and objects, such as leaves fluttering from a branch, a person raking leaves, or pumpkins.
Getting Ready for the Weather

Draw what you wear and do on warm, sunny days.

Student drawings should show that they understand the kinds of activities and clothing appropriate for warm, sunny days.
Draw what you wear and do on rainy days.

Student drawings should show that they understand the kinds of activities and clothing appropriate for rainy days.

Draw what you wear and do on cold days.

Student drawings should show that they understand the kinds of activities and clothing appropriate for cold days.