

Close Reading and Text Dependent Questions in Science Understanding the Weather (Air and Weather – Grade 1)

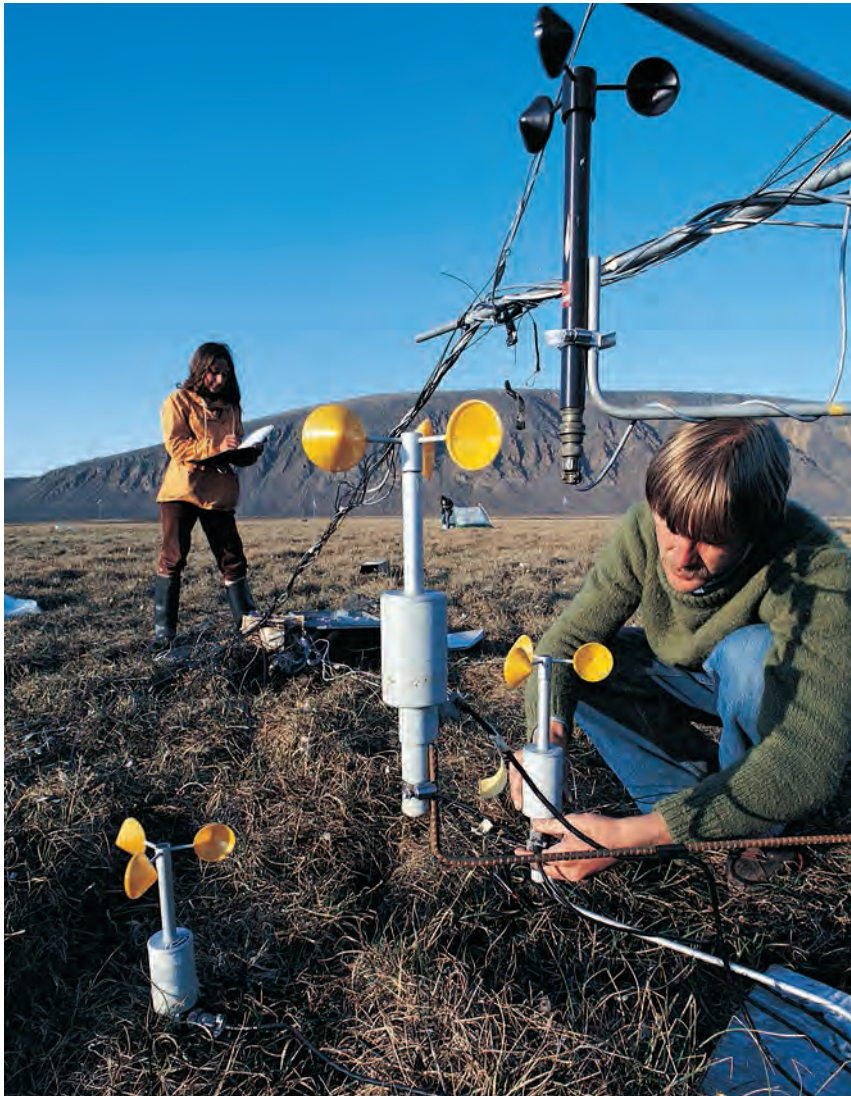
The text selection, *Understanding the Weather*, is found in *FOSS Science Stories, Air and Weather*, pgs. 14-17.



Look in the Student Learning Outcome (SLO) Documents for guidance on when this should be taught. These can be found on the BPS Science Department's website: <http://bpsscience.weebly.com/> You will find the Student Learning Outcomes documents organized there by grade level.

Understanding the Weather

Some people study the weather.
They are called meteorologists.
They use instruments to gather
information about the weather.
Meteorologists measure the temperature
of the air. They watch clouds form.
They measure wind speed and direction.

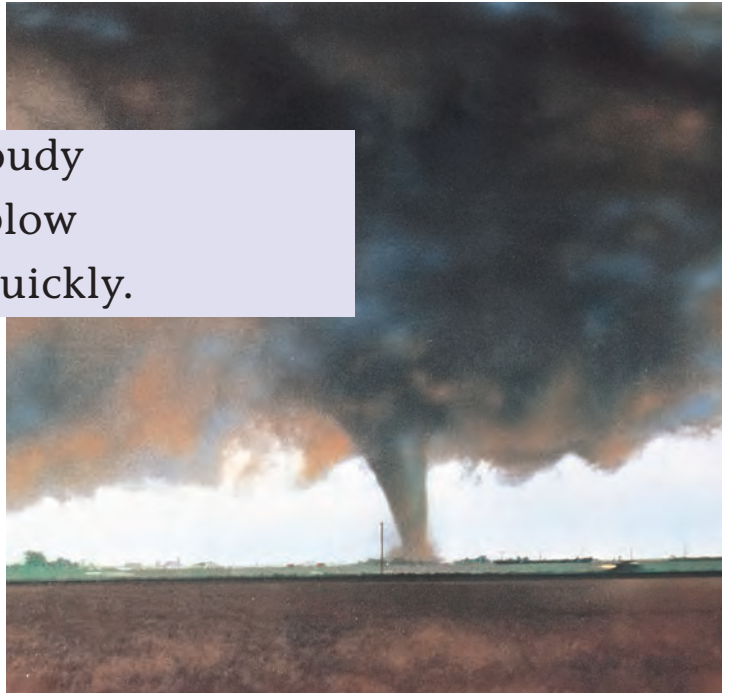




Weather balloons carry weather instruments high into the sky. The weather instruments gather information. This information helps meteorologists tell us what the weather will be.

Sometimes weather is dangerous. Meteorologists can be helpful at these times. They can help us know when to get ready for a storm.

A tornado is a twirling, cloudy storm. A tornado's winds blow around and around very quickly.



A hurricane is a very big, strong, wet storm. Hurricanes form over warm ocean water.



Lightning can be dangerous.
It is important to learn safety rules
to be prepared for storms.

Understanding the Weather (Air and Weather – Grade 1)

Student Questions

1. What is a meteorologist?
2. What are some ways meteorologists measure the weather?
3. How do they move their instruments to measure the air high up?
4. Weather can be dangerous. How can meteorologists be helpful to us?
5. What are some examples of weather that can be dangerous?
6. Using pictures and words, what type of scientist studies the weather? How do they study the weather?

Understanding the Weather (Air and Weather – Grade 1) Sample Answers

Science and Technology/Engineering

1. What is a meteorologist?

A meteorologist is someone who studies the weather using instruments.

2. What are some ways meteorologists measure the weather?

Meteorologists measure the temperature of the air, wind speed, and wind direction.

3. How do they get their instruments to measure the air high up?

They use weather balloons to carry them into the sky.

4. Weather can be dangerous. How can meteorologists be helpful to us?

Meteorologists can be helpful by letting us know what the weather will be, and if we need to get ready for a storm.

5. What are some examples of weather that can be dangerous?

Some examples of dangerous weather are tornadoes, hurricanes, and lightning.

6. Using the individual Air and Weather books, students will describe, using pictures and words, how a scientist studies the weather.