



Big Idea 15

Patterns of Weather

The study of weather is ideal for reinforcing the big ideas of systems and patterns in nature and for demonstrating the interconnectedness of these systems. It also presents an opportunity for demonstrating how scientists use technology, tools, models, and mathematics to collect and study data. Because all students come with personal experience to share about weather, its study can be quite captivating and relevant.



Enduring Understandings

- Systems have cycles and patterns.
- Patterns can be studied and used to make predictions.
- Tools help us collect data.
- Weather is a powerful force of nature.
- Weather affects all life on Earth.
- Changes in weather affect our daily lives.

Vocabulary List

- Air pressure
- Anemometer
- Barometer
- Celsius thermometer
- Climate
- Dew point
- Forecast
- Humidity
- Meteorology
- Moisture
- Pattern
- Seasons
- Temperature
- Trend
- Unstable

Essential Questions

Use these questions to help students begin building on and questioning their own insights about weather.

- How do changes in one part of Earth's systems affect other parts?
- Why is weather a system?
- How does geography play a role in natural events?
- How is weather related to water?
- How do we determine weather patterns?
- How can we use weather patterns to help explain our world?
- How can weather be described?
- How do tools help us collect data?
- How are living things affected by weather?
- Why are weather predictions not always right?
- How do humans impact weather systems on Earth?

Add your own questions!


