

Unit 2: Weather

Content Area: **Science**
Course(s): **Science K**
Time Period: **November**
Length: **15 Days**
Status: **Published**

Unit Summary

In this unit of study, students develop an understanding of patterns and variations in local weather and the use of weather forecasting to prepare for and respond to severe weather. The crosscutting concepts of patterns; cause and effect; interdependence of science, engineering, and technology; and the influence of engineering, technology, and science on society and the natural world are called out as organizing concepts for the disciplinary core ideas. Students are expected to demonstrate grade-appropriate proficiency in asking questions, analyzing and interpreting data, and obtaining, evaluating, and communicating information. Students are also expected to use these practices to demonstrate an understanding of the core ideas.

Standards

CRP.K-12.CRP5	Consider the environmental, social and economic impacts of decisions.
CRP.K-12.CRP5.1	Career-ready individuals understand the interrelated nature of their actions and regularly make decisions that positively impact and/or mitigate negative impact on other people, organization, and the environment. They are aware of and utilize new technologies, understandings, procedures, materials, and regulations affecting the nature of their work as it relates to the impact on the social condition, the environment and the profitability of the organization.
SCI.K-ESS2-1	Use and share observations of local weather conditions to describe patterns over time.
SCI.K-ESS3-2	Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.
TECH.8.1.2.A.CS1	Understand and use technology systems.

Student Learning Objectives

Students will learn to...

- use and share observations of local weather conditions to describe patterns over time.
- ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.
- ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

Essential Questions

- How can someone predict what the weather will be tomorrow?
- How does weather forecasting help us to prepare for dangerous weather?

Enduring Understandings

Students will understand that...

- we use weather forecasts to keep us ready and safe.

Application

Students will be able to independently use their learning to...

- observe patterns in events generated by cause-and-effect relationships.
- ask questions to obtain information about the purpose of weather forecasting to prepare for and respond to severe weather.

Skills

Students will be skilled at...

- measuring weather conditions using weather tools.
- describe weather conditions.
- record the weather and notice patterns over time.