

Unit 1b-Severe Weather

Content Area: **Science**
Course(s): **Science K**
Time Period: **Marking Period 1**
Length: **MP 1**
Status: **Published**

Essential Questions

- What types of severe weather can you name?
- How can you prepare for severe weather?
- Who helps us prepare for severe weather?

Big Ideas

- In a region, some kinds of severe weather are more likely than others.
- Forecasts allow communities to prepare for severe weather.

CSDT Technology Integration

8.1.2.E.1 Use digital tools and online resources to explore a problem or issue.

Activity:

Students will watch and interact with Mystery Science, “How do you get ready for a big storm?” video.

Science and Engineering Practices

Obtaining, Evaluating, and Communicating Information:

- Read grade-appropriate texts and/or use media to obtain scientific and/or technical information to determine patterns in and/or evidence about the natural and designed world(s).
- Obtain information using various texts, text features (e.g., headings, tables of content, glossaries, electronic menus, icons), and other media that will be useful in answering a scientific question and/or supporting a scientific claim

Enduring Understandings

Next Generation Standards

Natural Hazards

K-ESS3.B Some kinds of severe weather are more likely than others in a given region. Weather scientists forecast severe weather so that the communities can prepare for and respond to these events.

Defining and Delimiting an Engineering Problem

K-ESS3.A Asking questions, making observations, and gathering information are helpful in thinking about problems.

Focus Areas

Knowledge

- There are different types of severe weather.
- Where you live can determine what types of severe weather occurs.
- Weather scientists help us prepare for severe weather.
- We can prepare for severe weather.

Skills

- There are different types of severe weather.
- Where you live can determine what types of severe weather occurs.
- Weather scientists help us prepare for severe weather.
- We can prepare for severe weather.

Understandings

- Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.

Resources

Primary Resources

- Mystery Science
- NJCTL Unit 6 Severe Weather

Core

- Types of Weather Activity: "Hello World! Weather", by Jill McDonald

- Weather Forecasting Activity
- Weather Tools Activity
- Blizzards Activity
- Hurricanes Activity
- Tornadoes Activity
- Tornado Lab
- How to get Ready for a Big Storm Read Along

Supplemental

- Air Pressure Activity
- Making a Barometer Lab
- National Weather Service Activity
- Sand Storms Activity
- Preparing for Severe Weather Activity