



Washington State Science Learning Standards

Disciplinary Core Ideas

Earth and Space Science

Weather is the combination of sunlight, wind, snow or rain, and temperature in a particular region at a particular time. People measure these conditions to describe and record the weather and to notice patterns over time. (K-ESS2-1)

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. (K-ESS3-2)

Engineering, Technology, and Society

A situation that people want to change or create can be approached as a problem to be solved through engineering. (K-2-ETS1-1)

Asking questions, making observations, and gathering information are helpful in thinking about problems. (K-2-ETS1-1)

Before beginning to design a solution, it is important to clearly understand the problem. (K-2-ETS1-1)

Designs can be conveyed through sketches, drawings, or physical models. These representations are useful in communicating ideas for a problem's solutions to other people. (K-2-ETS1-2)

Crosscutting Concepts

Science-focused

Patterns in the natural and human designed world can be observed, used to describe phenomena, and used as evidence.

Engineering-focused

The shape and stability of structures of natural and designed objects are related to their function(s).

Science and Engineering Practices

Science-focused

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).

Engineering-focused

Asking Questions and Defining Problems

Define a simple problem that can be solved through the development of a new or improved object or tool.

Engaging in Argument from Evidence

Make a claim about the effectiveness of an object, tool, or solution that is supported by relevant evidence.

Selected CCSS English Language Arts Standards

The following ELA standards are applicable to various parts of the lesson (read-aloud, articles, and choice board). Teachers have a variety of decisions to make that will impact which ELA standards are targeted.

Kindergarten

CCSS.ELA-LITERACY.RL.K.1 With prompting and support, ask and answer questions about key details in a text.

CCSS.ELA-LITERACY.RL.K.3 With prompting and support, identify characters, settings, and major events in a story.

CCSS.ELA-LITERACY.RL.K.7 With prompting and support, describe the relationship between illustrations and the story in which they appear (e.g., what moment in a story an illustration depicts).

CCSS.ELA-LITERACY.RI.K.3 With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text.

CCSS.ELA-LITERACY.W.K.2 Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about the topic.

1st Grade

CCSS.ELA-LITERACY.RL.1.1 Ask and answer questions about key details in a text.

CCSS.ELA-LITERACY.RL.1.3 Describe characters, settings, and major events in a story, using key details.

CCSS.ELA-LITERACY.RL.1.7 Use illustrations and details in a story to describe its characters, setting, or events.

CCSS.ELA-LITERACY.RI.1.3 Describe the connection between two individuals, events, ideas, or pieces of information in a text.

CCSS.ELA-LITERACY.W.1.2 Write informative/explanatory texts in which they name a topic, supply some facts about the topic, and provide some sense of closure.

2nd Grade

CCSS.ELA-LITERACY.RL.2.1 Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text.

CCSS.ELA-LITERACY.RL.2.3 Describe how characters in a story respond to major events and challenges.

CCSS.ELA-LITERACY.RL.2.7 Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

CCSS.ELA-LITERACY.RI.2.3. Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.

CCSS.ELA-LITERACY.W.2.2. Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.