Science A–Z

EARTH'S SURFACE (K–2)

Correlation of Resources to National Science Standards

Use the chart below to discover how selected Science A–Z resources in the Earth's Surface unit support certain Next Generation Science Standards (NGSS). While a single reading resource, science activity, comprehension support, or lesson cannot satisfy an entire Performance Expectation, using these resources together can help students develop the understandings and abilities they will need in order to satisfy each standard listed below. Most standards cited align with the grade level of this Science A–Z unit. For a reverse correlation tool that connects the standards to resources, visit our NGSS correlations page: www.sciencea-z.com/main/NextGenerationScienceStandards.*

Check the Performance Expectations Key below this chart for the complete text of the standards cited for each resource.

Resource Type	Resource Title	Performance Expectations
Unit Nonfiction Book	*Earth's Surface* (3 reading levels)	**K-ESS2-2; K-ESS3-1; 2-ESS1-1; 2-ESS2-1; 2-ESS2-2; 2-ESS2-3**
Project-Based Learning Pack	*Making Land Useful*	**K-ESS3-3; K-2-ETS1-1**
Process Activity	*Erosion Control*	**K-ESS3-3; 2-ESS1-1; 2-ESS2-1; K-2-ETS1-1; 4-ESS2-1**
FOCUS Book	*Valleys*	**2-ESS1-1; 2-ESS2-2; 4-ESS2-1**
FOCUS Book	*Along the Coast*	**2-ESS2-1; 2-ESS2-2**
FOCUS Book	*Arches National Park*	**2-ESS1-1; K-2-ETS1-2; K-2-ETS1-3; 4-ESS2-1**
FOCUS Book	*Impact Craters*	**2-ESS1-1; 2-ESS2-2**
FOCUS Book	*Land Under Water*	**2-ESS2-2**
Investigation Pack	Topic: Bodies of Water I. Files: *Ponds; Oceans; Rivers; Lakes* Mystery File: *Icebergs*	**K-ESS3-1; 2-ESS2-2; 2-ESS2-3**
Debate	*Drain the Swamp?*	**K-ESS3-1; K-ESS3-3**
Science Video	*Forest Elephants*	**K-ESS2-2; K-ESS3-1**
Science Video	*Greenland's Grand Canyon*	**2-ESS2-2**
Science Video	*The Grand Canyon*	**2-ESS1-1; 2-ESS2-2; 2-ESS2-3**
Science Video	*The Ocean Floor*	**K-ESS3-1; 2-ESS1-1; 2-ESS2-2**
Science Video	*Volcanoes Change the Shape of the Land*	**2-ESS1-1; 2-ESS2-2**
Science Video	*What is Ice?*	**2-ESS2-3**

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Resource Type	Resource Title	Performance Expectations
Career Files	*Archaeologist; Cartographer; Outdoor Guide*	**2-PS1-1; 2-ESS2-2**
Quick Read	*Caves* (3 reading levels)	**2-ESS1-1; 2-ESS2-2**
Quick Read	*Islands* (3 reading levels)	**2-ESS2-2**
Concept Books	*Rocks; Shapes of the Land; Water on Earth; Animals Use Land and Water; People Use Land and Water*	**K-ESS2-2; 2-ESS1-1; 2-ESS2-2; 2-ESS2-3**
Science Diagram	*Describe and Compare Rocks*	**2-PS1-1**
Science Diagram	*Water Moves on Earth*	**2-ESS2-3**

Performance Expectations Key

K-ESS2-2. Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.

K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.

K-ESS3-3. Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.

2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

2-ESS1-1. Use information from several sources to provide evidence that Earth events can occur quickly or slowly.

2-ESS2-1. Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.

2-ESS2-2. Develop a model to represent the shapes and kinds of land and bodies of water in an area.

2-ESS2-3. Obtain information to identify where water is found on Earth and that it can be solid or liquid.

K-2-ETS1-1. 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.

K-2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

K-2-ETS1-3. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

4-ESS2-1. Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.