Science A–Z

EARTH, MOON, AND SUN (K–2)

Correlation of Resources to National Science Standards

Use the chart below to discover how selected Science A–Z resources in the Earth, Moon, and Sun 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, Moon, Sun, and Stars* (3 reading levels)	**K-PS3-1; 1-ESS1-1**
Project-Based Learning Pack	*Using the Sun to Tell Time*	**1-ESS1-1; K-2-ETS1-1; K-2-ETS1-2**
Process Activity	*Modeling the Earth, Moon, and Sun*	**K-PS3-1; 1-ESS1-1**
Interactive Science Lesson	*Days and Moon Phases* Part 1: How Earth Moves (2 reading levels)	**1-ESS1-1**
Interactive Science Lesson	*Days and Moon Phases* Part 2: The Sun and Shadows (2 reading levels)	**1-ESS1-1**
Interactive Science Lesson	*Days and Moon Phases* Part 3: Orbits of Earth and the Moon (2 reading levels)	**1-ESS1-1**
Interactive Science Lesson	*Days and Moon Phases* Part 4: Phases of the Moon (2 reading levels)	**1-ESS1-1**
FOCUS Book	*Shapes in the Night Sky*	**1-ESS1-1**
FOCUS Book	*Apollo 11*	**K-2-ETS1-1; K-2-ETS1-2**
FOCUS Book	*Goldilocks Planet*	**K-PS3-1; K-LS1-1**
FOCUS Book	*Seasons and Sunlight*	**K-PS3-1; 1-ESS1-1; 1-ESS1-2**
FOCUS Book	*Shadows in Space*	**K-PS3-1; 1-ESS1-1**
Investigation Pack	Topic: Life on Earth I. Files: *Gobi Desert; Great Barrier Reef; Greenland; Komodo Island; Mammoth Cave; Mount Everest* Mystery File: *The Moon*	**K-LS1-1; K-ESS3-1; 2-LS4-1; 2-ESS2-2**

Continued on next page

** Next Generation Science Standards is a registered trademark of Achieve. Neither Achieve nor the lead states and partners that developed the Next Generation Science Standards was involved in the production of, and does not endorse, this product.*

Debate	*A Moonlight Hike*	**1-ESS1-1**
Science Video	*Days, Nights, Months, and Years*	**1-ESS1-1; 1-ESS1-2**
Science Video	*Earth Orbits the Sun*	**1-ESS1-1**
Resource Type	**Resource Title**	**Performance Expectations**
Science Video	*Earth Today*	**K-ESS3-1; 2-ESS2-2; 2-ESS2-3**
Science Video	*How Does a Lunar Eclipse Work?*	**1-ESS1-1**
Science Video	*Know Your Earth*	**K-PS3-1; K-ESS2-1; K-ESS3-2**
Science Video	*Patterns of the Moon*	**1-ESS1-1**
Career Files	*Climatologist; Cruise Ship Captain; Meteorologist*	**K-ESS3-2; 1-ESS1-1**
Quick Read	*Satellites* (3 reading levels)	**K-2-ETS1-1**
Concept Books	*The Earth; The Moon; The Sun*	**K-PS3-1; 1-ESS1-1**
Science Diagram	*Cloud Types*	**K-ESS2-1; K-ESS3-2**
Science Diagram	*Light Energy Converts to Heat Energy*	**K-PS3-1**
Science Diagram	*Lunar Eclipse*	**1-ESS1-1**
Science Diagram	*Phases of the Moon*	**1-ESS1-1**

Performance Expectations Key

K-PS3-1. Make observations to determine the effect of sunlight on Earth's surface.

K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.

K-ESS2-1. Use and share observations of local weather conditions to describe patterns over time.

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-ESS3-2. Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.

1-ESS1-1. Use observations of the sun, moon, and stars to describe patterns that can be predicted.

1-ESS1-2. Make observations at different times of year to relate the amount of daylight to the time of year.

2-LS4-1. Make observations of plants and animals to compare the diversity of life in different habitats.

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.