

# Next Generation Science Standards Alignment

Cluster	Next Generation Science Standards
<b>Chapter 5: Life Science Menus</b>	
From Molecules to Organisms: Structures and Processes	K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive. 1-LS1-2. Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.
Heredity: Inheritance and Variation of Traits	1-LS3-1. Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents.
Ecosystems: Interactions, Energy, and Dynamic	2-LS2-1. Plan and conduct an investigation to determine if plants need sunlight and water to grow.
Biological Evolution: Unity and Diversity	2-LS4-1. Make observations of plants and animals to compare the diversity of life in different habitats.
Earth's Systems	K-ESS2-2. Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.
Earth and Human Activity	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.
<b>Chapter 6: Earth Science Menus</b>	
Earth's Place in the Universe	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.

## Differentiating Instruction With Menus for the Inclusive Classroom: Science • Grades K–2

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Earth's Systems	K-ESS2-1. Use and share observations of local weather conditions to describe patterns over time.
	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.
Earth and Human Activity	K-ESS3-2. Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.
	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.
<b>Chapter 7: Physical Science Menus</b>	
Matter and its Interactions	2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
	2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.
Waves and their Applications in Technologies for Information Transfer	1-PS4-1. Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.
	1-PS4-2. Make observations to construct an evidence-based account that objects can be seen only when illuminated.
	1-PS4-4. Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.
Engineering Design	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.