

K-5 Science Scope and Sequence (Revised July 2013)

	<u>Life Science</u> (NJCCCS 5.3)	<u>Earth Science</u> (NJCCCS 5.4)	<u>Physical Science</u> (NJCCCS 5.2)
Kindergarten	<p>Theme 1 - Places to Live and Grow Where do animals and plants live? How do plants and animals need one another?</p>	<p>Theme 2 - Our Earth What are oceans, rivers, and lakes? How can we care for our earth?</p> <p>Theme 3 - Weather and the Seasons What is weather? How does weather change with the seasons?</p>	<p>Theme 4 - About Energy How does the sun help earth? What makes shadows?</p> <p>Theme 5 - On the Move What is gravity? How can magnets move objects? What are vibrations?</p>
Grade 1	<p>Theme 1 - All About Animals What are living and non-living things? What do animals need? How can we group animals? How do animals grow and change?</p> <p>Theme 2 - All About Plants What are the parts of plants? How do plants grow and change?</p>	<p>Theme 3 - Our Earth How does earth change?</p> <p>Theme 4 - Natural Resources What are natural resources? What can we observe about rocks and soil?</p> <p>Theme 5 - Objects in the Sky What causes day and night? What can we observe about the moon?</p>	<p>Theme 6 - Heat, Light, and Sound What is sound?</p>
Grade 2	<p>Theme 1 - Animals What are mammals and birds? What are reptiles, amphibians, and fish?</p> <p>Theme 2 - Living Things in the Environment What are food chains and food webs?</p>	<p>Theme 3 - Natural Resources How can people use natural resources? How can people harm natural resources? How can people protect natural resources?</p> <p>Theme 4 - The Solar System What causes day and night? Why does the moon seem to change? What causes the seasons?</p>	<p>Theme 5 - Observing and Classifying Matter What is matter? What are solids? What are liquids? What are gases?</p> <p>Theme 6 - Changes in Matter How can matter change? How can water change?</p>
Grade 3	<p>Theme 1 - Types of Plants What are some types of plants? How do plants make food?</p>	<p>Theme 2 - Forces that shape land What are landforms? How do landforms change slowly? How do landforms change quickly?</p> <p>Theme 3 - Conserving Resources What are some types of soil? How do people use and impact the environment? How can resources be used wisely?</p>	<p>Theme 4 - Heat, Light, and Sound How are light and color related?</p> <p>Theme 5 - Forces and Motion What is motion? What are forces?</p> <p>Theme 6 - Work and Machines What is work? What are some simple machines?</p>
Grade 4	<p>Theme 1 - Classifying Living Things How are living things classified? How are plants and fungi classified? How are animals classified?</p> <p>Theme 2 - Adaptations How do the bodies of animals help them meet their needs? How do the behaviors of animals help them meet their needs?</p>	<p>Theme 3 - The Rock Cycle What are the types of rocks? What is the rock cycle? How do weathering and erosion affect rocks?</p> <p>Theme 4 - The Water Cycle What is the water cycle? How is the water cycle related to weather? How do land features affect the water cycle? How can weather be predicted?</p>	<p>Theme 5 - Making and Using Electricity What is electricity? How are electricity and magnetism related? What are some sources of electricity?</p> <p>Theme 6 - Simple Machines How do simple machines help people do work? How do a pulley and a wheel-and-axle help people do work?</p>
Grade 5	<p>Theme 1 - Plant Growth and Reproduction How do plants grow? How do plants reproduce?</p> <p>Theme 2 - Animal Growth and Heredity How does cell division affect growth? How are characteristics inherited? What other factors affect characteristics?</p> <p>Theme 3 - Ecosystems and Change How do organisms compete and survive in an ecosystem?</p>	<p>Theme 4 - Changes to Earth's Surface What are some of the earth's landforms? What causes changes to earth's landforms?</p> <p>Theme 5 - Earth's Oceans What are oceans like? How does ocean water move?</p>	<p>Theme 6 - Energy What are potential and kinetic energy? What are some forms of energy? How is heat transferred?</p>