



Next Generation Sunshine State Standards in Science First Grade Benchmarks Overview



Big Idea 1 The Practice of Science

SC.1.N.1.1	Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations. (High)
SC.1.N.1.2	Using the five senses as tools, make careful observations, describe objects in terms of number, shape, texture, size, weight, color, and motion, and compare their observations with others. (Moderate)
SC.1.N.1.3	Keep records as appropriate – such as pictorial and written records – of investigations conducted. (Moderate)
SC.1.N.1.4	Ask “how do you know?” in appropriate situations. (Moderate)

Big Idea 5 Earth in Space and Time

SC.1.E.5.1	Observe and discuss that there are more stars in the sky than anyone can easily count and that they are not scattered evenly in the sky. (Moderate)
SC.1.E.5.2	Explore the Law of Gravity by demonstrating that Earth’s gravity pulls any object on or near Earth toward it even though nothing is touching the object. (Moderate)
SC.1.E.5.3	Investigate how magnifiers make things appear bigger and help people see things they could not see without them. (Moderate)
SC.1.E.5.4	Identify the beneficial and harmful properties of the Sun. (Moderate)

Big Idea 6 Earth Structures

SC.1.E.6.1	Recognize that water, rocks, soil, and living organisms are found on Earth’s surface. (Low)
SC.1.E.6.2	Describe the need for water and how to be safe around water. (Moderate)
SC.1.E.6.3	Recognize that some things in the world around us happen fast and some happen slowly. (High)

Big Idea 8 Properties of Matter

SC.1.P.8.1	Sort objects by observable properties, such as size, shape, color, temperature (hot or cold), weight (heavy or light), texture, and whether objects sink or float. (Moderate)
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**Big Idea 12
Motion of Objects**

SC.1.P.12.1	Demonstrate and describe the various ways that objects can move, such as in a straight line, zigzag, back-and-forth, round-and-round, fast, and slow. (Moderate)
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**Big Idea 13
Forces and Changes in Motion**

SC.1.P.13.1	Demonstrate that the way to change the motion of an object is by applying a push or a pull. (Moderate)
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**Big Idea 14
Organization and Development of Living Organisms**

SC.1.L.14.1	Make observations of living things and their environment using the five senses. (Low)
SC.1.L.14.2	Identify the major parts of plants, including stem, roots, leaves, and flowers. (Low)
SC.1.L.14.3	Differentiate between living and nonliving things. (High)

**Big Idea 16
Heredity and Reproduction**

SC.1.L.16.1	Make observations that plants and animals closely resemble their parents, but variations exist among individuals within a population. (Low)
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**Big Idea 17
Interdependence**

SC.1.L.17.1	Through observation, recognize that all plants and animals, including humans, need the basic necessities of air, water, food, and space. (Low)
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