1st Grade Science

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| Power Standard: Students will identify plants and animals and sequence pictures of life cycle. | | |
| SC.O.1.2.04 | • identify the parts of growing plants as they develop. | Product/Performance |
| SC.O.1.3.01 | • identify that systems are made of parts that interact with one another. | Performance |
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| Power Standard: Students will observe, recognize, and discuss objects in the sky and how they affect our earth. | | |
| SC.O.1.2.11 | • observe and record shadows at different times of the day. | Performance |
| SC.O.1.2.15 | • recognize that the sun, moon, and stars appear to move. | Knowledge |
| SC.O.1.2.16 | • observe and discuss the importance of objects in the day and night sky. | Performance |
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| Power Standard: Students will describe the changes in the motion of objects and demonstrate that sounds are produced by vibration. | | |
| SC.O.1.2.12 | • describe the changes in the motion of objects (e.g., slowing down, speeding up, or curving). | Reasoning |
| SC.O.1.2.13 | • demonstrate that sounds are produced by vibrations. | Performance |
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| Power Standard: Students will classify and distinguish between natural and manmade objects and magnetic and non-magnetic objects. | | |
| SC.O.1.2.10 | • classify objects as magnetic or non-magnetic. | Reasoning |
| SC.O.1.3.03 | • distinguish between natural and man-made objects. | Reasoning |
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| Power Standard: Students will recognize and give examples of how water changes from one form to another and predict and investigate the buoyancy of objects in water. | | |
| SC.O.1.2.08 | • recognize that water can change from one form to another and give examples of changes. | Reasoning |
| SC.O.1.2.09 | • predict and investigate the buoyancy of objects in water. | Performance |
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| Power Standard: Students will identify and classify living and non-living things as well as describe and understand their | | |

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| similarities and differences. | | |
| SC.O.1.2.01 | • classify objects as living or non-living. | Performance |
| SC.O.1.2.02 | • identify that most living things need water, food, light and air. | Knowledge |
| SC.O.1.2.03 | • describe changes in life cycle of living organisms. | Knowledge |
| SC.O.1.2.05 | • depict movement of living things in air, water and on land. (e.g., birds flying, fish swimming, or worms burrowing in soil). | Performance |
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| Power Standard: None | | |
| SC.O.1.1.02 | • discuss the lives and discoveries of scientists after listening to stories about their lives and discoveries. | Knowledge |
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| Power Standard: Students will demonstrate curiosity by asking questions about the natural world. | | |
| SC.O.1.1.01 | • ask questions about themselves and their world. | Reasoning |
| SC.O.1.1.03 | • demonstrate curiosity, initiative and creativity by questioning observations of changes in the environment (e.g., life cycles, motion of celestial objects, or sun and shadow). | Reasoning |
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| Power Standard: Students will investigate, model, and compare features and properties of soil, land, and water. | | |
| SC.O.1.2.17 | • use a model to compare land and water features on the Earth. | Reasoning |
| SC.O.1.2.19 | • investigate and compare the properties of soil (e.g., sand, clay, or humus). | Reasoning |
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| Power Standard: Students will use scientific instruments in a safe and proper technique to collect, record, and compare info in a variety of communication techniques (in order to gain information). | | |
| SC.O.1.1.04 | • use scientific instruments and everyday materials to investigate the natural world (e.g., hand lens, balance, magnets, thermometer, seeds, or rocks). | Performance |
| SC.O.1.1.05 | • use safe and proper techniques for handling, manipulating and caring for science materials (e.g., follow safety rules, maintain a clean work area, or treat living organisms humanely). | Performance |
| SC.O.1.1.06 | • collect, record and compare information using a variety of | Knowledge/Performance |

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| | classification systems (e.g., ordering, sorting, or sequencing) and using a variety of communication techniques (e.g., sketches, pictographs, or models). | |
| SC.O.1.2.06 | • recognize that materials are composed of smaller parts that may be seen with a magnifier. | Knowledge |
| SC.O.1.2.14 | • observe, identify and record changes in weather and effects on living organisms. | Knowledge/Performance |
| SC.O.1.3.02 | • use models as representations of real things. | Performance |
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| Power Standard: None | | |
| SC.O.1.2.07 | • recognize that materials can be recycled and used again, sometimes in different forms. | Knowledge |
| SC.O.1.2.18 | • identify important uses of air. | Knowledge |
| SC.O.1.3.04 | • listen to and be tolerant of different viewpoints while working in collaborative groups. | Performance |
| SC.O.1.3.05 | • develop respect and responsibility for the environment by engaging in conservation practices (e.g., recycling, or trash clean-up). | Performance |