Benchmark Results

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Benchmark#	Description	Remarks/Example	Idea/Standard	Subject	Grade	Body Of Knowledge/ Strand	Cognitive Complexity Rating	Date Adopted/ Revised	Direct Link
SC.2.E.6.1	Recognize that Earth is made up of rocks. Rocks come in many sizes and shapes.	Sizes - boulder, stone, pebble, sand, granular.	Earth Structures	Science	2	Earth and Space Science	Level 2: Basic Application of Skills & Concepts	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1602
SC.2.E.6.2	Describe how small pieces of rock and dead plant and animal parts can be the basis of soil and explain the process by which soil is formed.		Earth Structures	Science	2	Earth and Space Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1603
SC.2.E.6.3	Classify soil types based on color, texture (size of particles), the ability to retain water, and the ability to support the growth of plants.		Earth Structures	Science	2	Earth and Space Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1604
SC.2.E.7.1	Compare and describe changing patterns in nature that repeat themselves, such as weather conditions including temperature and precipitation, day to day and season to season.		Earth Systems and Patterns	Science	2	Earth and Space Science	Level 2: Basic Application of Skills & Concepts	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1605
SC.2.E.7.2	Investigate by observing and measuring, that the Sun's energy directly and indirectly warms the water, land, and air.	** Florida Standards Connections: MAFS.K12.MP.5: Use appropriate tools strategically; and, MAFS.K12.MP.6: Attend to precision.	Earth Systems and Patterns	Science	2	Earth and Space Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1606
SC.2.E.7.3	Investigate, observe and describe how water left in an open container disappears (evaporates), but water in a closed container does not disappear (evaporate).		Earth Systems and Patterns	Science	2	Earth and Space Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1607
SC.2.E.7.4	Investigate that air is all around us and that moving air is wind.		Earth Systems and Patterns	Science	2	Earth and Space Science	Level 3: Strategic Thinking &	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1608

							Complex Reasoning		
SC.2.E.7.5	State the importance of preparing for severe weather, lightning, and other weather related events.		Earth Systems and Patterns	Science	2	Earth and Space Science	Level 1: Recall	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1609**
SC.2.L.14.1	Distinguish human body parts (brain, heart, lungs, stomach, muscles, and skeleton) and their basic functions.	Integrate HE.2.C.1.6. Recognize the locations and functions of major human organs. HE.2.B.3.2. Name healthy options to health-related issues and problems.	Organization and Development of Living Organisms	Science	2	Life Science	Level 2: Basic Application of Skills & Concepts	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1622**
SC.2.L.16.1	Observe and describe major stages in the life cycles of plants and animals, including beans and butterflies.	Other examples for life cycles: peanuts, frogs and meal worms.	Heredity and Reproduction	Science	2	Life Science	Level 2: Basic Application of Skills & Concepts	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1623**
SC.2.L.17.1	Compare and contrast the basic needs that all living things, including humans, have for survival.		Interdependence	Science	2	Life Science	Level 2: Basic Application of Skills & Concepts	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1624**
SC.2.L.17.2	Recognize and explain that living things are found all over Earth, but each is only able to live in habitats that meet its basic needs.	Build on knowledge from grade 1 (food, air, water, space). Animals need air, food, water, shelter, and plants need air, water, nutrients, light.	Interdependence	Science	2	Life Science	Level 2: Basic Application of Skills & Concepts	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1625**
SC.2.N.1.1	Raise questions about the natural world, investigate them in teams through free exploration and systematic observations, and generate appropriate explanations based on those explorations.		The Practice of Science	Science	2	Nature of Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1596**
SC.2.N.1.2	Compare the observations made by different groups using the same tools.	Compare the observations made by different groups using the same tools. * Florida Standards Connections: LAFS.2.SL.1.1. Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in groups.	The Practice of Science	Science	2	Nature of Science	Level 2: Basic Application of Skills & Concepts	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1597**

		** MAFS.K12.MP.5: Use appropriate tools strategically.							
SC.2.N.1.3	Ask "how do you know?" in appropriate situations and attempt reasonable answers when asked the same question by others.	* Florida Standards Connections: LAFS.2.W.3.8. Recall information from experiences or gather information from provided sources to answer a question.	The Practice of Science	Science	2	Nature of Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1598**
SC.2.N.1.4	Explain how particular scientific investigations should yield similar conclusions when repeated.	* Florida Standards Connections: MAFS.2.MD.4.10. Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.	The Practice of Science	Science	2	Nature of Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1599**
SC.2.N.1.5	Distinguish between empirical observation (what you see, hear, feel, smell, or taste) and ideas or inferences (what you think).	** Florida Standards Connections: MAFS.K12.MP.5: Use appropriate tools strategically.	The Practice of Science	Science	2	Nature of Science	Level 2: Basic Application of Skills & Concepts	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1600**
SC.2.N.1.6	Explain how scientists alone or in groups are always investigating new ways to solve problems.	* Florida Standards Connections: MAFS.K12.MP.1: Make sense of problems and persevere in solving them.	The Practice of Science	Science	2	Nature of Science	Level 2: Basic Application of Skills & Concepts	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1601**
SC.2.P.10.1	Discuss that people use electricity or other forms of energy to cook their food, cool or warm their homes, and power their cars.		Forms of Energy	Science	2	Physical Science	Level 1: Recall	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1617**
SC.2.P.13.1	Investigate the effect of applying various pushes and pulls on different objects.		Forces and Changes in Motion	Science	2	Physical Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1618**
SC.2.P.13.2	Demonstrate that magnets can be used to make some things move without touching them.		Forces and Changes in Motion	Science	2	Physical Science	Level 1: Recall	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1619**
SC.2.P.13.3	Recognize that objects are pulled toward the ground unless something holds them up.		Forces and Changes in Motion	Science	2	Physical Science	Level 1: Recall	02/08	**http://www.cpalms.org/Public/PreviewStandard/Preview/1620**

SC.2.P.13.4	Demonstrate that the greater the force (push or pull) applied to an object, the greater the change in motion of the object.		Forces and Changes in Motion	Science	2	Physical Science	Level 2: Basic Application of Skills & Concepts	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1621
SC.2.P.8.1	Observe and measure objects in terms of their properties, including size, shape, color, temperature, weight, texture, sinking or floating in water, and attraction and repulsion of magnets.	The use of the more familiar term 'weight' instead of the term "mass" is recommended for grades K-2. ** Florida Standards Connections: MAFS.K12.MP.5: Use appropriate tools strategically; and, MAFS.K12.MP.6: Attend to precision.	Properties of Matter	Science	2	Physical Science	Level 1: Recall	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1610
SC.2.P.8.2	Identify objects and materials as solid, liquid, or gas.		Properties of Matter	Science	2	Physical Science	Level 1: Recall	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1611
SC.2.P.8.3	Recognize that solids have a definite shape and that liquids and gases take the shape of their container.		Properties of Matter	Science	2	Physical Science	Level 1: Recall	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1615
SC.2.P.8.4	Observe and describe water in its solid, liquid, and gaseous states.		Properties of Matter	Science	2	Physical Science	Level 1: Recall	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1612
SC.2.P.8.5	Measure and compare temperatures taken every day at the same time.	** Florida Standards Connections: MAFS.K12.MP.5: Use appropriate tools strategically; and, MAFS.K12.MP.6: Attend to precision.	Properties of Matter	Science	2	Physical Science	Level 2: Basic Application of Skills & Concepts	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1613
SC.2.P.8.6	Measure and compare the volume of liquids using containers of various shapes and sizes.	Recognize the volume of a sample of liquid is independent of the size and shape of the container. ** Florida Standards Connections: MAFS.K12.MP.5: Use appropriate tools strategically; and, MAFS.K12.MP.6: Attend to precision.	Properties of Matter	Science	2	Physical Science	Level 2: Basic Application of Skills & Concepts	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1614
SC.2.P.9.1	Investigate that materials can be altered to change some of their properties, but not all materials respond the same way to any one alteration.		Changes in Matter	Science	2	Physical Science	Level 3: Strategic Thinking & Complex Reasoning	02/08	http://www.cpalms.org/Public/PreviewStandard/Preview/1616