

Flagler County Grade 2 2022-2023 Scope and Sequence based on HMH Florida Science

Year at a glance: Please note that the map is based on a 180-day schedule.

HMH Unit	Benchmark/ Standards
Quarter 1: August 10, 2022- October 12, 2022	
<p>HMH Unit 1: Work Like a Scientist</p> <p>HMH Unit 2: Technology and Our World</p> <p>HMH Unit 4: Weather</p>	<p><u>SC.2.N.1.1</u> Raise questions about the natural world, investigate them in teams through free exploration, and systematic observations, and generate appropriate explanations based on those explorations.</p> <p><u>SC.2.N.1.2</u> Compare the observations made by different groups using the same tools.</p> <p><u>SC.2.N.1.3</u> Ask "how do you know?" in appropriate situations and attempt reasonable answers when asked the same questions by others.</p> <p><u>SC.2.N.1.4</u> Explain how particular scientific investigations should yield similar conclusions when repeated.</p> <p><u>SC.2.N.1.5</u> Distinguish between empirical observation (what you see, hear, feel, smell, or taste) and ideas or inferences (what you think).</p> <p><u>SC.2.N.1.6</u> Explain how scientists alone or in groups are always investigating new ways to solve</p> <p><u>SC.2.E.7.1</u> 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.</p> <p><u>SC.2.E.7.2</u> Investigate by observing and measuring that the Sun's energy directly and indirectly warms the water, land, and air.</p> <p><u>SC.2.E.7.3</u> Investigate, observe and describe how water left in an open container disappears (evaporates), but water in a closed container does not disappear (evaporate).</p> <p><u>SC.2.E.7.4</u> Investigate that air is all around us and that moving air is wind.</p> <p><u>SC.2.P.8.1</u> 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.</p> <p><u>SC.2.P.8.5</u> Measure and compare temperatures taken every day at the same time.</p>
Quarter 2: October 13, 2022- December 22, 2022	

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<p>HMH Unit 3: Earth's Surface</p> <p>HMH Unit 5: All About Matter</p> <p>HMH Unit 6: Matter Can Change</p>	<p><u>SC.2.E.6.1</u> Recognize that Earth is made up of rocks. Rocks come in many sizes and shapes.</p> <p><u>SC.2.E.6.2</u> 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.</p> <p><u>SC.2.E.6.3</u> Classify soil types based on color, texture (size of particles), the ability to retain water, and the ability to support the growth of plants.</p> <p><u>Embedded in all Units:</u></p> <p><u>SC.2.N.1.1</u> <u>SC.2.N.1.2</u> <u>SC.2.N.1.3</u> <u>SC.2.N.1.4</u> <u>SC.2.N.1.5</u></p>
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Quarter 3: January 9, 2023- March 23, 2023

<p>HMH Unit 7: Energy</p> <p>HMH Unit 8: Forces and Motion</p> <p>HMH Unit 9: The Human Body</p>	<p><u>SC.2.P.10.1</u> Discuss that people use electricity or other forms of energy to cook their food, cool or warm their homes, and power their cars.</p> <p><u>SC.2.P.8.1</u> 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.</p> <p><u>SC.2.P.13.1</u> Investigate the effect of applying various pushes and pulls on different objects.</p> <p><u>SC.2.P.13.2</u> Demonstrate that magnets can be used to make some things move without touching them.</p> <p><u>SC.2.P.13.3</u> Recognize that objects are pulled toward the ground unless something holds them up.</p> <p><u>SC.2.P.13.4</u> Demonstrate that the greater the force (push or pull) applied to an object, the greater the change in motion of the object.</p> <p><u>HE.2.C.1.5</u> Recognize the locations and functions of major human organs.</p> <p><u>Embedded in all Units:</u></p> <p><u>SC.2.N.1.1</u> <u>SC.2.N.1.2</u> <u>SC.2.N.1.3</u> <u>SC.2.N.1.5</u></p>
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Quarter 4: March 27, 2023- May 26, 2023	
HMH Unit 10- Life Cycles	<u>SC.2.L.16.1</u> Observe and describe major stages in the life cycles of plants and animals, including beans and butterflies.
HMH Unit 11: Basic Needs and Environments	<u>SC.2.L.17.1</u> Compare and contrast the basic needs that all living things, including humans, have for survival.
	<u>SC.2.L.17.2</u> 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.
	<u>Embedded in all Units:</u> <u>SC.2.N.1.1</u> <u>SC.2.N.1.2</u> <u>SC.2.N.1.3</u> <u>SC.2.N.1.4</u> <u>SC.2.N.1.5</u>