

# Flagler County Grade 2 2023-2024 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
<b>Quarter 1: August 10, 2023- October 11, 2023</b>	
<p><b>HMH Unit 1:</b> Work Like a Scientist</p> <p><b>HMH Unit 2:</b> Technology and Our World</p> <p><b>HMH Unit 4:</b> Weather</p>	<p><u><b>SC.2.N.1.1</b></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><b>SC.2.N.1.2</b></u> Compare the observations made by different groups using the same tools.</p> <p><u><b>SC.2.N.1.3</b></u> Ask ‘how do you know?’ in appropriate situations and attempt reasonable answers when asked the same questions by others.</p> <p><u><b>SC.2.N.1.4</b></u> Explain how particular scientific investigations should yield similar conclusions when repeated.</p> <p><u><b>SC.2.N.1.5</b></u> Distinguish between empirical observation (what you see, hear, feel, smell, or taste) and ideas or inferences (what you think).</p> <p><u><b>SC.2.N.1.6</b></u> Explain how scientists alone or in groups are always investigating new ways to solve</p> <p><u><b>SC.2.E.7.1</b></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><b>SC.2.E.7.2</b></u> Investigate by observing and measuring that the Sun's energy directly and indirectly warms the water, land, and air.</p> <p><u><b>SC.2.E.7.3</b></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><b>SC.2.E.7.4</b></u> Investigate that air is all around us and that moving air is wind.</p> <p><u><b>SC.2.P.8.1</b></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><b>SC.2.P.8.5</b></u> Measure and compare temperatures taken every day at the same time.</p>
<b>Quarter 2: October 12, 2023- December 22, 2023</b>	

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<p><b>HMH Unit 3:</b> Earth's Surface</p> <p><b>HMH Unit 5:</b> All About Matter</p> <p><b>HMH Unit 6:</b> Matter Can Change</p>	<p><u><b>SC.2.E.6.1</b></u> Recognize that Earth is made up of rocks. Rocks come in many sizes and shapes.</p> <p><u><b>SC.2.E.6.2</b></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><b>SC.2.E.6.3</b></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><b>Embedded in all Units:</b></p> <p><u><b>SC.2.N.1.1</b></u> <u><b>SC.2.N.1.2</b></u> <u><b>SC.2.N.1.3</b></u> <u><b>SC.2.N.1.4</b></u> <u><b>SC.2.N.1.5</b></u></p>
<b>Quarter 3: January 6, 2024- March 14, 2024</b>	
<p><b>HMH Unit 7:</b> Energy</p> <p><b>HMH Unit 8:</b> Forces and Motion</p> <p><b>HMH Unit 9:</b> The Human Body</p>	<p><u><b>SC.2.P.10.1</b></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><b>SC.2.P.8.1</b></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><b>SC.2.P.13.1</b></u> Investigate the effect of applying various pushes and pulls on different objects.</p> <p><u><b>SC.2.P.13.2</b></u> Demonstrate that magnets can be used to make some things move without touching them.</p> <p><u><b>SC.2.P.13.3</b></u> Recognize that objects are pulled toward the ground unless something holds them up.</p> <p><u><b>SC.2.P.13.4</b></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><b>HE.2.C.1.5</b></u> Recognize the locations and functions of major human organs.</p> <p><b>Embedded in all Units:</b></p> <p><u><b>SC.2.N.1.1</b></u> <u><b>SC.2.N.1.2</b></u> <u><b>SC.2.N.1.3</b></u> <u><b>SC.2.N.1.5</b></u></p>

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## Quarter 4: March 18, 2024- May 23, 2024

<p><b>HMH Unit 10-</b> Life Cycles</p> <p><b>HMH Unit 11:</b> Basic Needs and Environments</p>	<p><b><u>SC.2.L.16.1</u></b> Observe and describe major stages in the life cycles of plants and animals, including beans and butterflies.</p> <p><b><u>SC.2.L.17.1</u></b> Compare and contrast the basic needs that all living things, including humans, have for survival.</p> <p><b><u>SC.2.L.17.2</u></b> 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.</p> <p><b><u>Embedded in all Units:</u></b></p> <p><b><u>SC.2.N.1.1</u></b></p> <p><b><u>SC.2.N.1.2</u></b></p> <p><b><u>SC.2.N.1.3</u></b></p> <p><b><u>SC.2.N.1.4</u></b></p> <p><b><u>SC.2.N.1.5</u></b></p>
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