



# Harford County Public Schools Elementary Science Curriculum

*Next Generation Science Standards (NGSS)*

Access Grade Level Standards by clicking on Unit Titles below:

	Quarters 1-2 Earth Space Science	Quarters 2-3 Physical Science	Quarters 3-4 Life Science
Grade 1	<p><a href="#"><u>The Earth in Space</u></a> <i>(Space Systems: Patterns &amp; Cycles)</i></p>	<p><a href="#"><u>Light and Sound</u></a> <i>(Waves: Light &amp; Sound)</i></p>	<p><a href="#"><u>Life: Structures and Functions</u></a> <i>(Structure &amp; Processes: Biomimicry, Growth &amp; Development; Heredity: Traits)</i></p>
Grade 2	<p><a href="#"><u>A Changing Earth</u></a> <i>(Earth Systems: Processes that Shape the Earth)</i></p>	<p><a href="#"><u>Matter and Materials</u></a> <i>(Structure &amp; Properties of Matter)</i></p>	<p><a href="#"><u>Biodiversity and Ecosystems</u></a> <i>(Interdependent Relationships in Ecosystems; Biodiversity &amp; Humans)</i></p>
Grade 3	<p><a href="#"><u>Weather and Climate</u></a> <i>(Earth Systems: Weather &amp; Climate)</i></p>	<p><a href="#"><u>Forces and Interactions</u></a> <i>(Motion and Stability: Forces &amp; Interactions)</i></p>	<p><a href="#"><u>Life Cycles and Traits &amp; Ecosystem Change</u></a> <i>(Structure &amp; Processes: Growth &amp; Development; Heredity: Traits; Ecosystems: Survival, Adaptation, Habitats)</i></p>
Grade 4	<p><a href="#"><u>Earth: Features and Processes</u></a> <i>(Earth Systems: Processes that Shape the Earth)</i></p>	<p><a href="#"><u>Energy &amp; Waves and Information</u></a> <i>(Energy, Wave Properties &amp; Information)</i></p>	<p><a href="#"><u>Life: Structures and Senses</u></a> <i>(Structure &amp; Processes: Structure, Function &amp; Information Processing)</i></p>
Grade 5	<p><a href="#"><u>Earth, Space, &amp; Stars</u></a> <i>(Space Systems: Stars &amp; the Solar System)</i></p>	<p><a href="#"><u>Matter: Structure and Properties of Matter*</u></a> <i>(Matter &amp; Its Interactions: Matter Structure &amp; Properties; Chemical Reactions)</i></p>	<p><a href="#"><u>Earth: Systems and Interactions &amp; Matter and Energy in Life &amp; Ecosystems*</u></a> <i>(Matter &amp; Energy in Organisms and Ecosystems + Earth Systems: Earth Spheres &amp; Roles of Water on Earth)</i></p>
<p><b>“FLOATING” UNIT: NGSS Earth Environmental Science (<a href="#"><i>Earth and Human Activity</i></a>) –</b>  <b>HCPS Environmental Stewardship</b> includes 3 day field experience at Harford Glen Environmental Education Center (<a href="#"><i>Maryland Environmental Literacy Standards Framework</i></a>)</p>			