

# **Martensdale-St. Marys Community School Science/Health Curriculum**

**Standard 1: Students can understand and apply skills used in scientific inquiry.**

## **Kindergarten:**

<b>Benchmark: The student will:</b>	<b>Grade Level Objectives</b>	<b>Instructional Strategies</b>	<b>Assessments</b>	<b>Instructional Timeline</b>
<b>A. understand and apply the processes and skills of scientific inquiry.</b>	1.A.K.1: Ask questions about objects, organisms, and events in the environment. <b>HN</b>	Observe Investigate Discuss Make predictions Ask questions	Teacher Observation	
	1.A.K.2: Plan and conduct simple investigations. <b>HN</b>	Observe Investigate Discuss	Teacher Observation	
	1.A.K.3: Use tools to gather data and extend the senses. <b>C</b>	Observe Investigate Discuss	Teacher Observation	
	1.A.K.4: Use mathematics in scientific inquiry. <b>C</b>	Observe Investigate Discuss Question	Teacher Observation	
	1.A.K.5: Communicate investigations and explanations orally, in writing or through drawings. <b>G/PS</b>	Observe Investigate Discuss Communicate	Teacher Observation	
	1.A.K.6: Follow appropriate safety procedures when conducting investigations. <b>C/PS</b>	Observe Investigate Discuss	Teacher Observation	
	<b>B. analyze and interpret scientific information.</b>	1.B.K.1: Use data to construct reasonable explanations. <b>HN</b>	Observe Investigate	Teacher Observation

		Discuss		
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**Martensdale-St. Marys Community School  
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**Standard 2: Students can understand concepts and relationships in life science.**

**Kindergarten:**

<b>Benchmarks: The student will:</b>	<b>Grade Level Objectives</b>	<b>Instructional Strategies</b>	<b>Assessments</b>	<b>Instructional Timeline</b>
<b>A. understand structures of living things.</b>	2.A.K.1: Apply and understand the characteristics of living things and how living things are both similar to and different from each other and from non-living things. <b>G/HN</b>	Observe Investigate Discuss Compare	Teacher Observation	
	2.A.K.2: Apply and understand fundamental human body parts and their functions. <b>C</b>	Observe Investigate Discuss Identify body parts	Teacher Observation	
	2.A.K.3: Apply and understand good health habits. <b>MCGF/PS</b>	Observe Discuss	Teacher Observation	
<b>B. understand life cycles.</b>	2.B.K.1: Apply and understand life cycles of plants and animals. <b>HN</b>	Observe Investigate Discuss Compare	Teacher Observation	
<b>C. understand</b>	2.C.K.1: Apply and understand the basic	Observe	Teacher	

<b>environmental interaction and adaptation.</b>	needs of plants and animals and how they interact with each other and their physical environment. <b>G/HN</b>	Investigate Discuss Compare	Observation	
	2.C.K.2: Apply and understand ways to help take care of the environment. <b>T/PS</b>	Observe Discuss	Teacher Observation	

***Martensdale-St. Marys Community School  
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***Standard 3: Students can understand concepts and relationships in Earth/Space sciences.***

***Kindergarten:***

<b><i>Benchmark: The student will:</i></b>	<b><i>Grade Level Objectives</i></b>	<b><i>Instructional Strategies</i></b>	<b><i>Assessments</i></b>	<b><i>Instructional Timeline</i></b>
<b><i>A. understand ideas about Earth's composition and structure.</i></b>	3.A.K.1: Apply and understand properties of earth materials. <b>HN</b>	Observe Investigate Discuss	Teacher Observation	
<b><i>B. understand changes in and around Earth.</i></b>	3.B.K.1: Apply and understand observable information about daily and seasonal weather conditions. <b>T/HN</b>	Observe Investigate Discuss Question	Teacher Observation	
<b><i>C. understand concepts relating to the universe.</i></b>	3.C.K.1: Apply and understand events around us that have repeating patterns including the seasons of the year, day,	Observe Investigate Discuss	Teacher Observation	

	and night. <b>G/HN</b>	Compare		
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**Martensdale- St. Marys Community School  
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**Standard 4: Students can understand concepts and relationships in physical science.**

**Kindergarten:**

<b>Benchmark: The student will:</b>	<b>Grade Level Objectives</b>	<b>Instructional Strategies</b>	<b>Assessments</b>	<b>Instructional Timeline</b>
<b>A. understand and apply the concept of energy.</b>	4.A.K.1: Understand and apply the positions and motions of objects. <b>HN</b>	Observe Investigate Discuss	Teacher Observation	
<b>B. understand and identify properties and changes of matter.</b>	4.B.K.1: Understand and apply observable and measurable properties of objects. <b>T/HN</b>	Observe Investigate Discuss Compare	Teacher Observation	
	4.B.K.2: Understand and apply characteristics of liquids and solids. <b>C/HN</b>	Observe Investigate Discuss Compare	Teacher Observation	