

## First Grade State Performance Standards

<b>Earth Science</b>	
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Standard	KGBSD Student Objectives
Standard A A student should understand scientific facts, concepts, principles, and theories.	

	<p><b>1 - A.1</b> A student should understand models describing the nature of molecules, atoms, and sub-atomic particles and the relation of the models to the structure and behavior of matter (Structure of Matter);</p> <p>A student in first grade should be able to:</p> <ul style="list-style-type: none"> <li>- classify rocks by hardness, color, shape.</li> </ul> <p><b>1 - A.2</b> A student should understand the physical, chemical, and nuclear changes and interactions that result in observable changes in the properties of matter (Changes and Interactions of Matter);</p> <p>A student in first grade should be able to:</p> <ul style="list-style-type: none"> <li>- describe that rocks are made of minerals.</li> </ul> <p><b>1 - A.7</b> A student should understand how the earth changes because of plate tectonics, earthquakes, volcanoes, erosion and deposition, and living things (Processes that Shape the Earth);</p> <p>A student in first grade should be able to:</p> <ul style="list-style-type: none"> <li>- know that earth's surface changes over time.</li> <li>- describe how the earth's surface is changed by natural phenomena.</li> </ul> <p><b>1 - A.8</b> A student with age appropriate descriptions, should understand the scientific principles and models that:</p> <ul style="list-style-type: none"> <li>- describe the nature of physical, chemical, and nuclear reactions;</li> <li>- state that whenever energy is reduced in one place, it is increased somewhere else by the same amount; and</li> <li>- state that whenever there is a transformation of energy, some energy is spent in ways that make it unavailable for use (Energy Transformations).</li> </ul> <p>A student in the first grade should be able to:</p> <ul style="list-style-type: none"> <li>- know that some of earth's natural resources are renewable and that some are not.</li> </ul>
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