

AMHERST PUBLIC AND PELHAM ELEMENTARY SCHOOLS – CURRICULUM MAP

<b>ELEMENTARY SCIENCE</b> <b>GRADE: 2</b>	<b>UNIT TITLE: PEBBLES, SAND AND SILT</b>
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<b>SECTION</b>	<b>LENGTH</b>	<b>CONTENT</b>	<b>SKILLS</b>	<b>METHODS OF ASSESSMENT</b>	<b>FRAMEWORK STRANDS &amp; STANDARDS PreK–2</b>
First rocks	5 lessons	<ul style="list-style-type: none"> <li>Rocks are not alive.</li> <li>Rocks are a solid state of matter.</li> <li>Rocks are formed in the earth</li> <li>Rocks can be sorted by properties.</li> </ul>	<ul style="list-style-type: none"> <li>Observe, compare and sort objects by color, shape and texture.</li> </ul>	<ul style="list-style-type: none"> <li>Student product</li> <li>Worksheet</li> <li>End of unit assessment</li> </ul>	ESS 1. PS 1. T/E 1.1
River rocks	5 lessons	<ul style="list-style-type: none"> <li>Rocks are different sizes.</li> <li>Sizes can be separated with screens and by settling water.</li> <li>Silt and clay have different properties.</li> <li>Water and wind change rocks.</li> </ul>	<ul style="list-style-type: none"> <li>Use a screen to separate and group rocks based on particle size.</li> <li>Observe properties of earth materials.</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation checklist</li> <li>Worksheet</li> <li>End of unit assessment</li> </ul>	ESS 1. PS 1. T/E 1.1
Using rocks	6 lessons	<ul style="list-style-type: none"> <li>Earth materials are used in construction.</li> </ul>	<ul style="list-style-type: none"> <li>Observe and compare different grades of sandpaper.</li> <li>Compare properties of earth materials used in constructions.</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation checklist</li> <li>Student products</li> <li>End of unit assessment</li> </ul>	ESS 1. PS 1. T/E 1.1 TE 1.2
Soil explorations	6 lessons	<ul style="list-style-type: none"> <li>Soil is made of bits of rock and decayed plants and animals.</li> <li>Soil differs from one location to another.</li> </ul>	<ul style="list-style-type: none"> <li>Describe events.</li> <li>Record changes over time.</li> </ul>	<ul style="list-style-type: none"> <li>Worksheet</li> <li>Performance rubric</li> <li>End of unit assessment</li> </ul>	ESS 1. T/E 1.1

*Massachusetts Science and Technology/Engineering Curriculum Framework, October 2006; Grades PreK–2*

**Earth and Space Science (ESS)**

**ESS 1** Recognize that water, rocks, soil, and living organisms are found on the earth’s surface.

**Physical Sciences (PS)**

**PS 1** Sort objects by observable properties such as size, shape, color, weight, and texture.

**Technology/Engineering (T/E)**

**T/E 1.1** Identify and describe characteristics of natural materials (e.g., wood, cotton, fur, wool) and human-made materials (e.g., plastic, Styrofoam).

**TE 1.2** Identify and explain some possible uses for natural materials (e.g., wood, cotton, fur, wool) and human-made materials (e.g., plastic, Styrofoam).