



Recommended P3 / Grade 3 Curriculum Framework

<b>Content: SCIENCE—P3 / Grade 3</b>						
<b>Topic: Earth Materials—Rocks, Soils, Water, Air (Weeks 9-11)</b>						
<b>Content</b> (What do your students need to KNOW?)	<b>Demonstrators</b> (What do your students need to be able to DO?)	<b>Assessment</b> (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)	<b>Activities</b> (HOW will you teach it?)	<b>Resources</b> (What MATERIALS will you need?)	<b>Differentiation</b> (How will you reach the DIVERSITY of learners?)	<b>Literacy Connection</b> (How will you use READING and WRITING with this material?)
<p><b>States of Matter</b> <b>SC-E-1.1.3</b> Materials can exist in different states—solid, liquid, and gas. Some common materials, such as water, can be changed from one state to another by heating or cooling.</p> <p><b>Earth Materials</b> <b>SC-E-2.1.1</b> Earth materials are solid rocks and soils, water, and the gases of the atmosphere. Minerals that make up rocks have properties of color, texture, and hardness. Soils have properties of color, texture, the capacity of retain water, and the ability to support plant growth. Water on the Earth and in the atmosphere can be a solid, liquid, or gas.</p>	<p><b>POS-S-4-PS-2</b> Students will understand that materials can exist in different states and some common materials (e.g., water) can change states.</p> <p><b>POS-S-4-ESS-1</b> Students will understand that earth's materials are solids (e.g., rocks, soils), water (e.g., oceans), and gases (e.g., oxygen).</p>					

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	<p><b>Patterns and Change</b> <b>AE 2.2</b> Students identify, analyze, and use patterns such as cycles and trends to understand past and present events and predict possible future events.</p> <p><b>Demonstrators</b></p> <ul style="list-style-type: none"> <li>• Classify objects according to more than one property or attribute.</li> <li>• Classify objects according to one property or attribute.</li> <li>• Identify and communicate common attributes of items in a group.</li> <li>• Use senses to observe items; communicate similarities and/or differences.</li> </ul> <p><b>Evolutions and Change Over Time</b> <b>AE 2.6</b> Students understand how living and nonliving things change over time and the factors that influence the changes.</p> <p><b>Demonstrators</b></p> <ul style="list-style-type: none"> <li>• Describe the sequence of steps in a change process.</li> <li>• Identify and predict small and large-scale changes.</li> <li>• Observe and communicate change over time (evolution).</li> </ul>					