

<b>Science Grade 4</b> <b>Earth and Space Science: Rocks, Minerals and Erosion (RM)</b>				
Outcome	1 - Beginning The student is having difficulty demonstrating an understanding of the concept.	2 – Approaching The student is developing an understanding of the concept.	3 – Meeting The student consistently demonstrates an understanding of the concept or has achieved the concept.	4- Exemplary The student independently demonstrates an in-depth understanding of the concept, and consistently applies this knowledge to new situations.
<b>RM4.1</b> <b>I can investigate physical properties of rocks and minerals, including those found in the local environment.</b>	<ul style="list-style-type: none"> <li>• I can carry out processes to determine a few of the physical properties of rocks and minerals found in the local environment, <b>with help.</b></li> <li>• I can use a few specific words during my investigations on rocks and mineral, <b>with help.</b></li> </ul>	<ul style="list-style-type: none"> <li>• I can carry out processes with some accuracy to determine some of the physical properties of rocks and minerals found in the local environment.</li> <li>• I can use several specific words during my investigations on rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• I can carry out processes accurately to compare and explain the physical properties of rocks and minerals found in the local environment.</li> <li>• I can use many specific words during my investigations on rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• I can design and carry out an investigation to compare the physical properties of rocks and minerals found in the local environment <b>with those found in other geological areas.</b></li> <li>• I can use a wide variety specific words during my investigations on rocks and minerals, and <b>encourage others to use them.</b></li> </ul>
Comments				

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<b>RM4.2</b> <b>I can assess how human uses of rocks and minerals impact self, society, and the environment.</b>	Impact on self	<ul style="list-style-type: none"> <li>• <b>With help</b>, I can identify some positive and negative impacts on people of human uses of rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• I can <b>identify some positive and negative impacts</b> on people of human uses of rocks and minerals</li> </ul>	<ul style="list-style-type: none"> <li>• I can <b>explain the positive and negative impacts on people</b> of human uses of rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>I can recommend a use</b> of rocks and minerals for myself, with examples and details for support.</li> </ul>
	Impact on society	<ul style="list-style-type: none"> <li>• <b>With help</b>, I can identify some positive and negative impacts on society of human uses of rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• I can <b>identify some positive and negative impacts</b> on society of human uses of rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• I can <b>explain the positive and negative impacts on society</b> of human uses of rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>I can recommend a use</b> of rocks and minerals in society, with examples and details for support.</li> </ul>
	Impact on Environment	<ul style="list-style-type: none"> <li>• <b>With help</b>, I can explain some of the positive and negative impacts on the environment of human uses of rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• I can <b>identify some positive and negative impacts</b> on the environment of human uses of rocks and minerals.</li> </ul>	<ul style="list-style-type: none"> <li>• I can explain the positive and negative impacts <b>on the environment</b> of sound-related technologies.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>I can recommend a use</b> of rocks and minerals in the environment with minimal negative impact, with examples and details for support.</li> </ul>
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<b>RM4.3</b> <b>I can analyze how weathering, erosion, and fossils provide evidence to support human understanding of the formation of landforms on Earth.</b>	<ul style="list-style-type: none"> <li>I can demonstrate what weathering is, <b>with help.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>demonstrate what weathering is.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>demonstrate how weathering provides evidence</b> to help humans understand the formation of landforms on Earth.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>predict the effects of weathering</b> on various landforms.</li> </ul>
	<ul style="list-style-type: none"> <li>I can demonstrate what erosion is, <b>with help.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>demonstrate what erosion is.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>demonstrate how erosion provides evidence</b> to help humans understand the formation of landforms on Earth.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>predict the effects of erosion</b> on various landforms.</li> </ul>
	<ul style="list-style-type: none"> <li>I can demonstrate what fossils are, <b>with help.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>demonstrate what fossils are.</b></li> </ul>	<ul style="list-style-type: none"> <li>I can <b>demonstrate how fossils provide evidence</b> to help humans understand the formation of landforms on Earth.</li> </ul>	<ul style="list-style-type: none"> <li>I can <b>demonstrate the importance of using fossils to understand the formation of landforms on Earth.</b></li> </ul>
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