

Science Grade 4 Earth and Space Science: Rocks, Minerals and Erosion (RM)				
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.
RM4.1 I can investigate physical properties of rocks and minerals, including those found in the local environment.	<ul style="list-style-type: none"> • I can carry out processes to determine a few of the physical properties of rocks and minerals found in the local environment, with help. • I can use a few specific words during my investigations on rocks and mineral, with help. 	<ul style="list-style-type: none"> • I can carry out processes with some accuracy to determine some of the physical properties of rocks and minerals found in the local environment. • I can use several specific words during my investigations on rocks and minerals. 	<ul style="list-style-type: none"> • I can carry out processes accurately to compare and explain the physical properties of rocks and minerals found in the local environment. • I can use many specific words during my investigations on rocks and minerals. 	<ul style="list-style-type: none"> • I can design and carry out an investigation to compare the physical properties of rocks and minerals found in the local environment with those found in other geological areas. • I can use a wide variety specific words during my investigations on rocks and minerals, and encourage others to use them.
Comments				

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RM4.2 I can assess how human uses of rocks and minerals impact self, society, and the environment.	Impact on self	<ul style="list-style-type: none"> • With help, I can identify some positive and negative impacts on people of human uses of rocks and minerals. 	<ul style="list-style-type: none"> • I can identify some positive and negative impacts on people of human uses of rocks and minerals 	<ul style="list-style-type: none"> • I can explain the positive and negative impacts on people of human uses of rocks and minerals. 	<ul style="list-style-type: none"> • I can recommend a use of rocks and minerals for myself, with examples and details for support.
	Impact on society	<ul style="list-style-type: none"> • With help, I can identify some positive and negative impacts on society of human uses of rocks and minerals. 	<ul style="list-style-type: none"> • I can identify some positive and negative impacts on society of human uses of rocks and minerals. 	<ul style="list-style-type: none"> • I can explain the positive and negative impacts on society of human uses of rocks and minerals. 	<ul style="list-style-type: none"> • I can recommend a use of rocks and minerals • in society, with examples and details for support.
	Impact on Environment	<ul style="list-style-type: none"> • With help, I can explain some of the positive and negative impacts on the environment of human uses of rocks and minerals. 	<ul style="list-style-type: none"> • I can identify some positive and negative impacts on the environment of human uses of rocks and minerals. 	<ul style="list-style-type: none"> • I can explain the positive and negative impacts on the environment of sound-related technologies. 	<ul style="list-style-type: none"> • I can recommend a use of rocks and minerals in the environment with minimal negative impact, with examples and details for support.
Comments					

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RM4.3 I can analyze how weathering, erosion, and fossils provide evidence to support human understanding of the formation of landforms on Earth.	<ul style="list-style-type: none"> I can demonstrate what weathering is, with help. 	<ul style="list-style-type: none"> I can demonstrate what weathering is. 	<ul style="list-style-type: none"> I can demonstrate how weathering provides evidence to help humans understand the formation of landforms on Earth. 	<ul style="list-style-type: none"> I can predict the effects of weathering on various landforms.
	<ul style="list-style-type: none"> I can demonstrate what erosion is, with help. 	<ul style="list-style-type: none"> I can demonstrate what erosion is. 	<ul style="list-style-type: none"> I can demonstrate how erosion provides evidence to help humans understand the formation of landforms on Earth. 	<ul style="list-style-type: none"> I can predict the effects of erosion on various landforms.
	<ul style="list-style-type: none"> I can demonstrate what fossils are, with help. 	<ul style="list-style-type: none"> I can demonstrate what fossils are. 	<ul style="list-style-type: none"> I can demonstrate how fossils provide evidence to help humans understand the formation of landforms on Earth. 	<ul style="list-style-type: none"> I can demonstrate the importance of using fossils to understand the formation of landforms on Earth.
Comments				