



Science Grade 4 Earth and Space Science: Rocks, Minerals and Erosion (RM)				
Outcome	1 – Little Evidence With help, I understand parts of the simpler ideas and do a few of the simpler skills.	2 – Partial Evidence I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	3 – Sufficient Evidence I understand the more complex ideas and can master the complex skills that are taught in class. I achieve the outcome.	4- Extensive Evidence I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
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.
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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				