



<b>Title:</b>	Rock On Baby!!!
<b>Grade(s):</b>	5 <sup>th</sup>
<b>Subject(s):</b>	Science: Types of Rocks
<b>Author:</b>	Hibbler, Finn, Muhammad and Richardson
<b>Overview:</b>	The students will identify three different types of rocks in the rock cycle.
<b>Content Standards:</b>	SC (5) 10.2 Describing the rock cycle. TC (3-5) 12. Create a product using digital tools.
<b>Local/National Standards:</b>	
<b>Primary Learning Objectives:</b>	Using the Scratch program, students will create various types of presentations on the rock cycle.
<b>Additional Learning Objectives:</b>	
<b>Approximate Duration of Lesson:</b>	(2) 30 minute class sessions.
<b>Materials and Equipment:</b>	Notebooks and pencils.
<b>Technology Resources Needed:</b>	Laptop or desktop computers with access to the Internet.
<b>Background/Preparation:</b>	Students will be introduced to the different kinds of rocks through viewing a video presentation so they can have a basic understanding of the rock cycle.
<b>Procedures/Activities:</b>	Step 1 The teacher will introduce Scratch and give an example of what is required from the students for their Scratch presentation. Step 2 The teacher will go step by step to demonstrate to students how to create a Scratch program. Step 3 Students will be grouped to formulate their Scratch presentations on the rock cycle. Step 4 The teacher will check the work of each group as they create their Scratch project. The teacher will also use any mistakes as a teaching moment for the group.
<b>Attachments:</b>	None
<b>Assessment Strategies:</b>	Scratch project must include: metamorphic, sedimentary, and igneous rocks.
<b>Extension:</b>	Have students recreate their rock cycles through art illustrations, songs or a rap, and models of the rock cycle.
<b>Remediation:</b>	Students will label diagrams of the different types of rock and describe what each type of rocks does in a rock cycle.