Title: Rock On Baby!!!
Grade(s): 5th
Subject(s): Science: Types of Rocks
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Overview: The students will identify three different types of rocks in the rock cycle.
Content Standards: SC (5) 10.2 Describing the rock cycle.
TC (3-5) 12. Create a product using digital tools.

Local/National Standards:
Primary Learning Objectives: Using the Scratch program, students will create various types of presentations on the rock cycle.
Additional Learning Objectives: 
Approximate Duration of Lesson: (2) 30 minute class sessions.
Materials and Equipment: Notebooks and pencils.
Technology Resources Needed: Laptop or desktop computers with access to the Internet.
Background/Preparation: 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.

Procedures/Activities:
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.

Attachments: None
Assessment Strategies: Scratch project must include: metamorphic, sedimentary, and igneous rocks.
Extension: Have students recreate their rock cycles through art illustrations, songs or a rap, and models of the rock cycle.
Remediation: Students will label diagrams of the different types of rock and describe what each type of rocks does in a rock cycle.