Rocks

Summary

Students will be able to identify the three rocks types and understand how each rock type is formed.

Time Frame

5 class periods of 30 minutes each

Group Size

Individual

Life Skills Thinking & Reasoning, Communication

<u>Materials</u> Science textbook or internet, iPads or laptops, access to Sway

Background for Teachers

http://www.universetoday.com/46594/how-are-rocks-formed/ http://www.learner.org/interactives/rockcycle/types.html

Student Prior Knowledge

Students will need knowledge of rock types, how they are formed, and how to identify each type of rock.

Intended Learning Outcomes

Students will be able to create a presentation describing the three types of rocks. They will explain how they are formed and characteristics of each type of rock.

Instructional Procedures

Day One: • Have a student led discussion about the relationship between minerals and rocks. • Show the students pictures of each of the rock types. • Have a student led class discussion about each rock type and how they are formed in the rock cycle. • Allow the students time to go on an iPad or a computer and research each rock type and how they are formed. Day Two: •Have the students write a short essay about each rock type (sedimentary, metamorphic, and igneous). Day Three and Four: • Have the students create their own Sway. Students can get information about rocks from their science book or from research online. • In their Sway have them describe each rock type, have them describe how they are created, and how to identify each type of rock. Each presentation should have 2-3 paragraphs for each rock type and 2-3 pictures for each rock type. Day Five: •Have the students present their Sway to the class.

Strategies for Diverse Learners

Pair the struggling students with a gifted student that is willing to help another student.

Assessment Plan

Students will be assessed by giving a presentation and by their essays. Students will: Be able to describe how rocks are formed. Be able to describe the rock cycle. Be able to explain characteristics

of each rock type.

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