

# 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

## Materials

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.

Authors

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