

## Title: **Name That Rock!**

**Curriculum Objective**

Students will be able to identify and classify common igneous, metamorphic, and sedimentary rocks

**Targeted Critical Skills**

Collaboration

**Grade Level and Subject**

3-4 Split Earth Science

**Grouping and Rational**

Group size will be 3 or 4 kids. They will be mixed based on grade level, ability, and strengths. I will have 2 groups for each rock type.

**Time of Year**

Spring

**Length**

Four 50 minute periods

**Challenge**

Some of you may already know this but if you don't, there are three different types of rocks on the Earth; metamorphic, sedimentary, and igneous. Every rock you find will fit into one of these three types. Each type is made differently and has different characteristics (how it looks and feels). Your group is going to become experts on one of these types of rocks by looking in books and on the internet. After you become experts, you will display this knowledge for the rest of the class to see. Using Publisher, your group will create a poster that will list the characteristics of the rock type your group is studying, pictures of 4 different rocks that fit into your type, how that rock type is made, and what that type of rock is commonly used for.

**Critical Skills Assessment**

Part of this project is working together as a group. I will be watching for group members to work together, listen to everyone's ideas, deal with arguments in a good way, and how much each member participated. When you are done we will have a whole group discussion about working together as a group. You will be expected to talk about how you did as a group member, whether you felt like your ideas were heard, and what you will do next time to make the group work better.

## Name That Rock Challenge!



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1. List Characteristics of rock type (igneous, metamorphic, sedimentary)
2. Find and label pictures of four different rocks that fit into your type
3. Tell how that rock is made
4. Tell where on Earth that rock is commonly found

**\*\*IMPORTANT\*\*** This is a group project! Everyone needs to be involved!

## Name That Rock

	<b>Excellent</b>	<b>Good</b>	<b>Ok</b>	<b>Needs Work</b>
<b>Collaboration</b>	You worked well with your group; always giving ideas, listening to others, and dealing appropriately with problems.	You may have had a bad day but most of the time you worked well with you group.	You really had trouble working with your group, but you got it together and learned from you mistakes.	You really had trouble working with your group in this project.
<b>How Does It Look?</b>	The poster is exceptionally attractive in terms of design, layout, and neatness.	The poster is attractive in terms of design, layout and neatness.	The poster is acceptably attractive though it may be a bit messy.	The poster is distractingly messy or very poorly designed. It is not attractive.
<b>Information</b>	You included correct information about all four parts of the challenge. (Characteristics, pictures, how it is made, and what it is used for)	You included correct information about three parts of the challenge. (Characteristics, pictures, how it is made, and what it is used for)	You included correct information about two parts of the challenge. (Characteristics, pictures, how it is made, and what it is used for)	You included correct information about one ore none of the parts of the challenge. (Characteristics, pictures, how it is made, and whwhat it is used for)