

Your Rock & Mineral Project

This project incorporates Research, Art, Measuring, Speech, Note Writing, and of course Science. You will pick a rock or mineral and create a detailed report and presentation about it. Now the challenge will be to make it interesting enough for everyone to want to watch it! You may use Keynote, iMovie, or maybe even Google Slides. You may submit a digital presentation that includes voice, sounds and still graphics as well as motion graphics such as ExplainEverything, a green screen recording, a stop motion animation, or simply give a live presentation in front of the class.

- Name of the rock or mineral** that you choose.....for example “Vesicular Basalt”
- Type of rock** or class of mineral.....Igneous/Metamorphic/Sedimentary -silicate
- How the rock or mineral was formed** *This should be very detailed*, and you should use some kind of prop, drawing, or show on the white board how it was formed in or on the Earth for your speech, sketches and graphics for the report. Use of technology is encouraged!
- Where it was formed** What part of the country or world, under what conditions and why there? Tell about heat and pressure if it was involved.
- Is there any history associated with the rock or mineral?** For example in downtown Portland there are bricks cut out of the rock basalt and made into sidewalks by the courthouse square. These bricks (it is said) were brought here as ballast (weights) in the hold of old sailing ships that brought supplies to the pioneers. The ballast was left here because the ships returned home full of salmon and furs. That is what I mean by history of a rock.
- Does the rock or mineral have a commercial value today? Is it used for anything? (Building material, jewelry, etc)**
- How do you tell this rock or mineral from others. How is it distinguished from other rocks or minerals?** For example: Crystal formation, color, reaction to acids, streak, luster, hardness...
- A drawing/painting of the rock or mineral.**
- An original poem about the Rock or mineral.** Serious or humorous. It doesn't have to rhyme, and could even be Haiku.
- An actual sample of the rock or mineral, if at all possible.**
- Measure the weight and volume of the sample.** I'll teach you how.
- 1.5 to 5.0 minute presentation** NO LONGER THAN 5.0 minutes
- Copy the name of all sources of information (Bibliography).**
- You will be graded on the class presentation by other students and the teacher. The form is online on our web page.**

Remember kids, you want this to be fun, interesting and educational.

I expect you to do a lot of research.

I expect you to use many different sources for your information. This may include but is not limited to: Paper and or online Encyclopedias, web pages, books, magazines, telephone conversations with experts (talk to grandma and grandpa), web sites, E-mail a geologist on the Internet, visit a rock shop, watch a video.

Due date Thursday, March 2nd at noon. Presentations may begin on that day. I will give time in class, and we will study the different types of rocks and minerals but much of your research will have to be completed at home.

I have read and I pretty much understand the requirements for this project. If I later have questions, I will ask other students and the teacher. I will not wait until the last minute to begin this project.

Signed _____
Student

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Signed _____
Parent