

## **Geology Project**

**Due: February 13, 2023**

We have been learning all about geology in our current reading curriculum. This also happens to be a fourth grade science standard. As a culminating project for this unit, students will be doing an at home project! Students can choose from one of the following options:

### **1. Volcano Project:**

- a. Find a volcano to research. Use at least 5 different resources (internet or library books)**
- b. Required information:**
  - i. Name: What is the name of your volcano?**
  - ii. Location: list the city or region, country, and continent your volcano is located.**
  - iii. Tectonic Plate: Which tectonic plate is your volcano located?**
  - iv. Formation: How was this volcano formed? How old is it?**
  - v. Activity: Is this volcano active, dormant, or extinct?**
  - vi. Eruptions: When was the last time it erupted? Has this volcano had any major eruptions? What happened?**
  - vii. Pictures: You can use your artistic abilities and draw or create your volcano. OR you can print pictures from the internet.**
- c. Poster Instructions:**
  - i. Have all this information neatly organized on your poster.**
  - ii. Be sure to include all required information.**
  - iii. Your name should be on the back of your poster.**
  - iv. If handwriting, your poster should be in your own handwriting.**

### **2. Types of Rocks Project:**

- a. Research the 3 main types of rocks (igneous, sedimentary, and metamorphic).**
- b. Required Information:**
  - i. Three types of rocks listed by name**
  - ii. Definition of each type of rock**
  - iii. Pictures of each type of rock.**
  - iv. How are each type of rock created?**
  - v. What is unique about each type of rock?**
  - vi. What are examples of each type of the 3 types of rocks?**
- c. Poster instructions:**
  - i. Have all this information neatly organized on your poster.**
  - ii. Be sure to include all required information.**
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### **3. Rock Cycle Project:**

#### **a. Research the rock cycle**

#### **b. Required Information:**

- i. Identify the stages of the rock cycle**
- ii. Describe the process at each stage**
- iii. Name at least two examples of each of the 3 types of rock**
- iv. Include illustrations of each part of the rock cycle. You can draw or print these illustrations.**
- v. Vocabulary that must be included:**

**Metamorphic, Sedimentary, Igneous, Magma, Melting, Cooling, Sediment, Weathering, Erosion, Heat and Pressure, Melting**

#### **c. Poster instructions:**

- i. Have all this information neatly organized on your poster.**
- ii. Be sure to include all required information.**
- iii. Your name should be on the back of your poster.**
- iv. If handwriting, your poster should be in your own handwriting.**

**You will be graded on the following:**

- Your project was turned in on time**
- You included all required information**
- Your project looks neat and tidy and not rushed**
- Your project includes accurate information**
- Your project was creative**
- Your project was in your own handwriting.**

**Remember this project is to extend your knowledge of our geology unit. Have fun with this project and be creative! As long as you have the required information you can get as creative as you want with your project! It doesn't necessarily have to be a poster!**