

Inside Earth Project:

For this project, I have selected 4 options of information from this unit. **You will choose 2 of the 4.** For the 2 options you choose, be sure to cover the information listed. The red “Inside Earth” textbook can serve as a good resource for this, or the Internet can also be useful.

As always, use any format you choose (Keynote, iMovie, doing by hand, etc.). On a lot of these, a picture is worth a 1000 words as they say—so feel free to use diagrams, sketches, and/or examples.

This will be due by ***Wednesday April 8th***.

Option A: The Earth's Structure

- **Formation of the Earth**
 - Give a ***brief*** overview of how scientists believe the Earth originally formed.
- **Layers of the Earth**
 - What are the major layers of the Earth? Name and describe them (pictures would be good here)
- **Movements of the Continents over Time**
 - Have the continents always been where they currently are? Scientists don't think so. Show how they have moved over time (once again, pictures and/or videos would work real well for this).

Option B: Earthquakes

- **Types of Faults**
 - Faults are those cracks in the Earth's plates, and that is where earthquakes typically occur. What are some of the main types of faults (the book might be helpful on this)?
- **Historic Earthquakes**
 - Research 3 significant earthquakes and briefly describe them (when and where did they occur, what made them significant).
- **Earthquake "prevention"**
 - No, we can't prevent earthquakes. But what are some things that are done in places that receive a lot of earthquakes to prevent damage? How are buildings designed differently? What would you do in the event of an earthquake? We do fire drills at our school. Where I grew up in the Ozarks, we did tornado drills. What would an earthquake drill look like?

Option C: Rocks & Volcanoes

- **The Rock Cycle**
 - Give us a quick refresher on the Rock Cycle and the 3 main types of rocks. A diagram would be good here.
- **Types of Volcanoes**
 - There are different types of volcanoes, and not all of them are the kind that go “Ka-Bloo-Ey” like we see in the movies. Describe a few of the different basic types of volcanoes. Pictures and brief descriptions might work well here.
- **Historic Volcanoes**
 - Research 3 significant earthquakes and briefly describe them (when and where did they occur, what made them significant).

Option D: Energy & Heat Transfer

- **Radiant Energy (radiation)**
 - How does heat energy get to us here on Earth all the way from the Sun which is 93 million miles away?
Understanding radiant energy will tell us how!
- **Conduction**
 - This is a slower moving form of heat transfer. Explain how it works and give an example.
- **Convection**
 - We see this type of energy transfer all over the place.
Describe it and give examples.

For these 3 types of energy or heat transfer, diagrams and examples would work really well with basic descriptions of how each type works.