

# Project Outline: The Earth's Changing Surface

## **Introduction (Main Heading)**

- Topic Statement
- Building-up / Wearing down
- Building-up forces — list
- Wearing down forces — list
- Concluding statement — talk about how the forces work together to shape the earth's surface

## **Building-up the Land (Main Heading)**

- Topic statement
- List the forces
- Invite to read on

## **Faulting (Sub-heading)**

- Topic statement
- Definition
- 3 types — list
- Describe each different fault type — 3 different sentences
- Name the famous fault — San Andreas
- An example of mountains formed — Grand Tetons in Wyoming
- Concluding statement

## **Folding (Sub-heading)**

- Topic statement
- Definition
- 2 types — listed
- Describe each
- Responsible for many of the earth's great mountain ranges
- Examples — list
- Concluding statement

## **Volcanism (Sub-heading)**

- Topic statement
- Definition / What a volcano is
- Origins of the name — from class poster
- Who are scientists that study — called
- How many active
- Where found
- List 4 types
- To Follow — title each under a sub-heading
  - Describe each of the 4 types of volcanoes — see posters

## **Wearing Down the Land (Main Heading)**

- Topic statement
- The 2 types — list
- Briefly describe each
- Concluding statement

## **Weathering (Sub-heading)**

- Topic statement
- Definition
- 2 types of weathering — list
- Describe each
- Different rocks weather differently — describe
- Concluding statement

## **Erosion (Sub-heading)**

- Topic statement
- Definition 4 types — list
- Describe each — do not cheap out — 2-3 sentences about each
  - Water — most important
  - Mass movement
  - Glaciation
  - Wind
- Concluding statement

## **Earthquakes (Main Heading)**

This section should be 3 paragraphs long

### **Paragraph 1**

- Topic sentence
- Definition
- Where found — plate boundaries
- 2 types — list
- Describe each type
  - Tectonic
  - Volcanic
- Concluding statement

### **Paragraph 2**

- Topic statement
- List wave types
- Describe each type
  - Body — p & s waves
  - Surface — Rayleigh & Love waves

- Seismic sea waves — Tsunami
- Epicenter
- How Measured
- Seismograph
- Richter Scale

### **Paragraph 3**

- Discussion of historical examples

### **Conclusion (Main Heading)**

- Mirror the introduction