



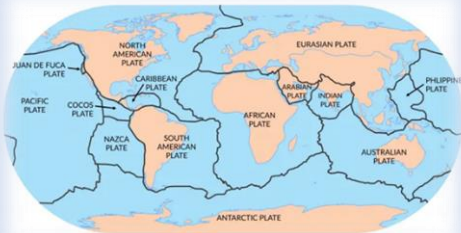
Extreme Earth (Volcanoes & Earthquakes)

Enquiry Question
What is the geography behind volcanoes and earthquakes and what impact can they have?

What do I already know?

1. You are aware that Earth's crust is broken into pieces known as tectonic plates.

2. You know that Iceland is home to 130 volcanoes.



Key Learning Journey

1. I can explore the structure of Earth and its surface.
2. I can investigate the structure of a volcano.
3. I can locate the world's most famous volcanoes.
4. I can investigate the 5 deadly features of a volcanic eruption.
5. I can explore the effects of the Montserrat eruption.
6. I can understand what causes an earthquake.
7. I can investigate the 5 deadly features of an earthquake.
8. I can research the world's biggest earthquakes.

Unit Intent: By the end of this unit, I will be able to explain where and why volcanic eruptions and earthquakes occur.

Sticky Knowledge

- 1) What is a volcano?
- 2) Why do volcanic eruptions occur?
- 3) Why do earthquakes occur?
- 4) How can these natural disasters impact humans?

volcano - is an opening in the Earth's surface.

eruption - an outburst or outbreak of molten rock from a volcano.

dormant - a volcano which has not erupted recently

tectonic plate - are located all over the world. They cover the Earth's inner layers and act as a sort of shell below the ground and the sea.

earthquake - is caused by the movement of parts of the Earth's crust, its outermost layer.

landslide - a large amount of earth, rock, and other material that moves down a steep slope.

extinct - a volcano that has not erupted for 10,000 years

active - a volcano that is currently erupting

tsunami - a large wave caused by movements in Earth's outer layer, or crust, which move ocean water.