

St Mark's Church of England School - Knowledge Organiser

Subject: Geography

Year: 3

Topic: Extreme Earth

What should I already know?

There are 7 continents in the world; Europe, North America, South America, Africa, Asia, Australasia and Antarctica. There are also 5 oceans; Atlantic, Arctic, Pacific, Indian, Southern.

What I should know at the end.

The earth is divided into 2 parts by The **Equator**. Above the Equator is the Northern Hemisphere and below the Equator is the Southern Hemisphere.

Underneath the surface of the earth that we can see there are 4 different layers; Crust, Mantle, Outer and Inner Core.

Volcanoes:

There are 3 different types of volcano; **active, dormant, extinct**.

The world's largest active volcano is Mauna Loa in Hawaii. It is 4,169m tall and last erupted in 1984.

Volcanoes don't just occur on land. They can be found on the ocean floor and under ice caps, too!

Some people like to live near a volcano because the soil has lots of nutrients which are great for growing crops!

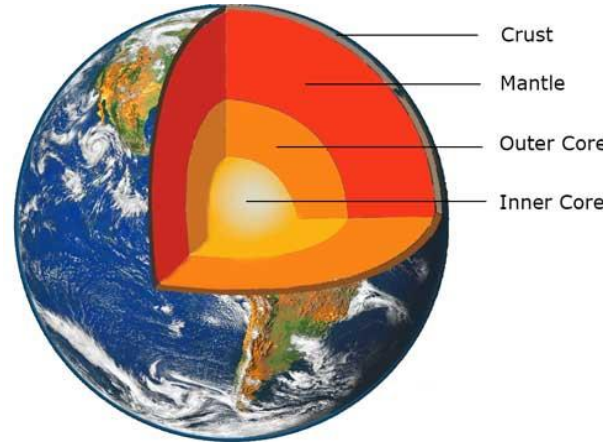
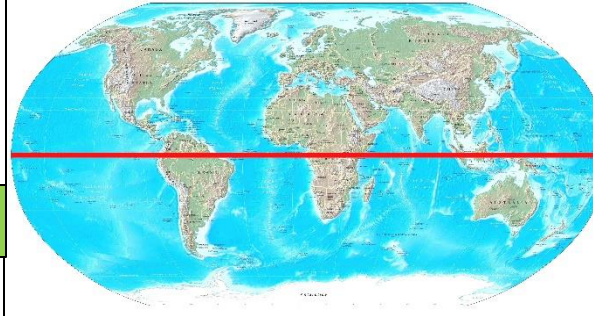
Earthquakes:

Earthquakes happen where two **tectonic plates** meet.

When the plates rub against each other is when the earthquake can be felt.

An earthquake that occurs at the bottom of the sea can push water upwards and create **tsunamis**.

The Equator



Vocabulary

Active	Regular activity from the volcano.
Dormant	There has been activity recently but now.
Earthquakes	Earthquakes are the shaking, rolling or sudden shock of the earth's surface
Equator	The equator is an imaginary line around the middle of the earth. It is halfway between the North and the South Pole.
Extinct	It has been a long time since an eruption and is unlikely to erupt again.
Lava	The liquid when it leaves the volcano.
Magma	Hot liquid rock inside a volcano.
Tectonic plates	Huge pieces of flat rock that make the surface of the earth.
Tsunamis	A large ocean wave.
Volcanoes	It is a hole in the Earth from which molten rock and gas erupt.

Skills and Enquiry

- Locate countries in the world where volcanoes and earthquakes occur
- describe and understand key aspects of physical geography with a focus on volcanoes and earthquakes
- identify their cause and the processes that occur, using the correct geographical vocabulary.
- Human Geography: know how volcanoes can affect human life