

How does the Earth shake, rattle and roll?

Widchester Endowed Church of England (VA) Primary School



Key Questions:

- What is happening when the Earth shakes?
- What is happening when the Earth rattles and rolls?
- Does the Earth rattle and roll all over?
- How and why do people live where the Earth shakes, rattles and rolls?
- How disastrous have recent earthquakes and/or volcanic eruptions been?

What should I already know?

- Earthquakes and volcanoes can result in natural disasters.
- Earthquakes and volcanoes can be dangerous to human lives.
- Disaster of Pompeii, Mt. Vesuvius is a famous example of a volcanic eruption.

Key Facts

Lesson 1	Earthquakes occur mainly along tectonic plate boundaries. Strength of an Earthquake varies. Earth is made up of crust, mantle, inner/outer core.	
Lesson 2	Oceanic and continental plates movement can cause volcanic formation. Ring of fire - Pacific area. - lots of Volcanic Islands. 80% eruptions are under water. Volcanic soil is fertile, which is an attraction to farmers.	
Lesson 3	Volcanoes are present along tectonic plate boundaries. A famous 'circle' of volcanoes are the Pacific 'Ring of fire'.	
Lesson 4	Hazard - cause of harm Risk - how likely People live near volcanoes / earthquake zones as there are lots of benefits (farming / mining / tourism) - does this outweigh negatives?	
Lesson 5	We researched 3 volcanoes and 3 earthquakes. - 1980 San Francisco, USA - 2011 Japan Earthquake - 2010 Haiti earthquake - 1980 Mount St Helen, USA - 2010, Eyjafjallajökull, Iceland - Mount Fuji, Japan	We researched • Date/Time • Death/injuries • Tectonic plates • Where - country/continent • What happened.
Lesson 6		