

Year 4 Geography

Unit of Learning: Earthquakes



Big Question: What are the effects of earthquakes on people and on the environment?

Prior learning: Previously, children have learned about volcanoes: how they are formed and the impact a volcanic eruption can have upon the land. As part of this learning, children have learned about the different layers of the earth's surface and how these layers move.

At the end of this topic, pupils will know:

<u>Line of Enquiry</u>	<u>National Curriculum Objectives</u>
1. What is an earthquake?	To describe and understand key aspects of: <ul style="list-style-type: none"> physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water
2. Why do earthquakes happen?	
3. What is the San Andreas fault line?	
4. How can we measure earthquakes?	
5. What are the effects of an earthquake?	
6. How do humans live with earthquakes?	

Key Vocabulary

<u>Word</u>	<u>Definition</u>
Earthquake	A sudden and violent shaking of the ground caused by movements in the Earth's crust.
Tremor	A small or minor shaking movement of the ground, often a warning or after-effect of a larger earthquake.
Aftershock	A smaller earthquake that follows the main shock and occurs in the same area.
Tectonic plates	Large pieces of the Earth's crust that move and float on the mantle, and whose movements can cause earthquakes.
Epi Centre	The point on the Earth's surface directly above the focus (origin) of an earthquake.
Tsunami	A large, powerful sea wave caused by an underwater earthquake or volcanic eruption.
Fault line	A crack in the Earth's surface where two tectonic plates meet and where earthquakes often occur.
Seismic waves	Waves of energy that travel through the Earth and are caused by earthquakes or explosions.

As children of God we are loved, we are called, and we are inspired.

