

**Year 5: Summer 2 Are all earthquakes violent?**

Previous learning: Pupils will build upon their understanding of the world by exploring places affected by earthquakes. They will use their prior knowledge of natural disasters and the effects it has on both the natural and the man-made environment. Pupils will look at the causes of earthquakes and build on previous knowledge about the impact human activity can have on the environment. They will continue to develop map reading skills and in particular their knowledge of grid references.

**Sticky Knowledge**

1. An earthquake is a very sudden violent event which can come without warning and cause immense change
2. Tectonic plates are pieces of the Earth's crust. These plates are constantly moving.
3. Earthquakes happen along the edges of tectonic plates
4. Scientists tell the strength of an earthquake on a scale called the Richter Scale.

**Disciplinary knowledge**

1. Location of earthquakes using 6 figure grid references.
2. Analyse a place, using aerial photographs, atlases and maps, including reading maps symbols and keys.
3. Use specific geographical vocabulary and diagrams to explain an earthquake.
4. Explain the physical processes that cause earthquakes.

Week 1

Earthquake drill roleplay

**To say what an earthquake is.**

**To define what an earthquake is.**

Week 2

What is an earthquake? Fact finding.

**To say a fact about an earthquake.**

**To use secondary sources to explain what an earthquake is and give examples of them.**

Week 3	Tectonic plates	
	<b>To name a tectonic plate.</b>	<b>To explain why earthquakes happen, using my knowledge of tectonic plates and their movements to justify my answer.</b>
Week 4	Using maps and atlases to find where Earthquakes take place. Looking at aftermath	
	<b>To find the location of where an earthquake has happened.</b>	<b>To use maps and atlases to find the location of earthquakes, explaining why they occur here.</b>
Week 5	Measuring earthquakes	
	<b>To say what a Richter Scale is used for.</b>	<b>To be able to interpret Richter Scale data and use this to explain differing strengths of earthquakes.</b>
Week 6	Art/DT - Warning system with a buzzer	
	<b>To use electrical components in a product.</b>	<b>To be able to join different materials and components.</b>