

Earthquakes and volcanoes knowledge mat.

Sticky Knowledge- What do I need to know?

Lesson 1 I know that an earthquake is when the ground beneath your feet begins to shake. It may only last a few seconds - or much longer. I know that the Earth's surface is made up of tectonic plates and an earthquake happens when two of the Earth's giant plates suddenly slip past each other, snap, crack or make other rapid movements.

Lesson 2 I know that major earthquakes happened in the Indian Ocean in 2004, Haiti in 2010, Japan 2011 and Nepal 2015. I can explain some of the effects of earthquakes which include damaged roads and collapsed buildings.

Lesson 3 I know that the Earth is made up of three layers – the core, the mantle and the crust. I know that volcanoes are usually found on or near to the edge of a plate (a plate boundary). Plate movements cause eruptions. I can label the features of a volcano including ash cloud, lava, magma and central vent.

Lesson 4 I can name some famous volcanoes including Etna, Vesuvius and St Helens. I know that volcanic eruptions are a dangerous natural disaster and affect the people and the land around them, for example, homes may be destroyed and they can cause breathing difficulties for people and animals.

Key Vocabulary- What words do I need to know and understand?

tectonic plates These are large slabs of rock, which are on the move.

plate boundary This is where two plates meet.

mantle A layer below the Earth's crust that can move and flow.

core The hottest part of Earth: reaches 5,400 Celsius.

lava Molten rock that flows out of a volcano.

crust The rigid outer shell of the Earth. You live on it!

ash cloud Tiny particles of rock ejected from a volcano into the air.