

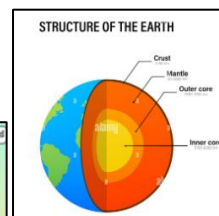
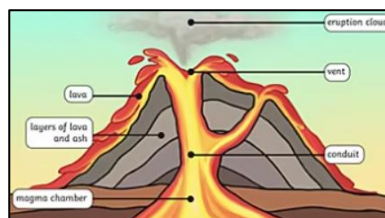
Year 5 and 6: Extreme Earth Knowledge Mat

Subject Specific Vocabulary Dozen

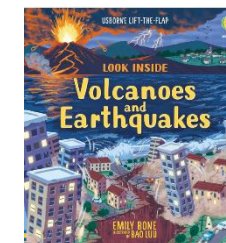
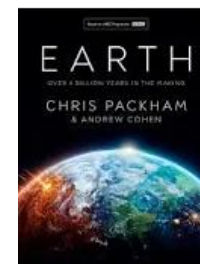
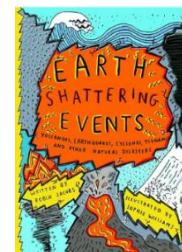
crust	Outer layer of the Earth which is made of solid rocks and minerals.
mantle	The part of the Earth that is between the crust and the core.
core	The central or innermost portion of the Earth, lying below the mantle and probably consisting of iron and nickel.
magma	Molten rock that is formed inside the Earth.
tectonic plates	Tectonic plates are gigantic pieces of the Earth's crust and uppermost mantle. They are made up of oceanic crust and continental crust.
earthquake	Movements, fractures and vibrations in the Earth's crust as tectonic plates move.
lava	This is molten rock.
active volcano	An active volcano is a volcano that has erupted during the last 10,000 years, and may erupt again.
dormant volcano	Volcanoes that have not erupted in a long time but are expected to erupt again in the future
extinct volcano	A volcano that has not erupted in the last 10,000 years.
climate change	Climate change is the long-term change in the Earth's usual weather patterns.
deforestation	Deforestation is when humans cut down or burn large areas of forests to make space for other things, like farms, cities, or to use the wood

Key questions

How is the Earth structured?
 What is a volcano and how are they formed?
 Where is the world would you find volcanoes?
 What is it like to live near a volcano?
 How does an earthquake occur?
 What is an earthquake and where do they occur?
 How are earthquakes and volcanoes measured and monitored?
 What environmental issues are impacting on Earth?



Exciting Books



Sticky Knowledge about Extreme Earth

- Earth has a **layered structure**. Each layer has unique chemical and physical properties. The Earth's Crust is made of tectonic plates.
- Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing magma to sometimes erupt through it.
- Earthquakes are caused when the earth's tectonic plates suddenly move. Most earthquakes occur near the tectonic plate boundaries.
- A tsunami is a giant wave caused by a huge earthquake under the ocean.
- Humans can have a positive and negative impact on our earth. Pollution, deforestation and global warming have a negative impact.

