

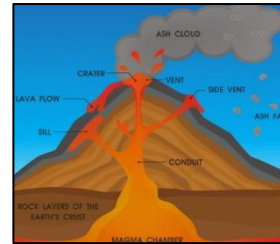
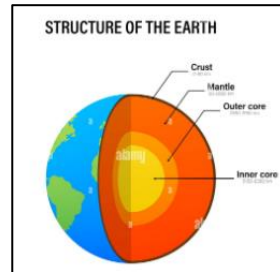
# Year 5 and 6: Extreme Earth Knowledge Mat

## Subject Specific Vocabulary Dozen

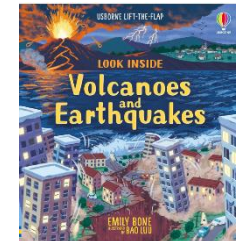
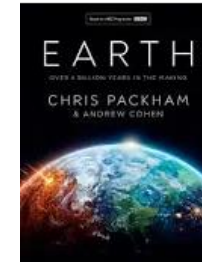
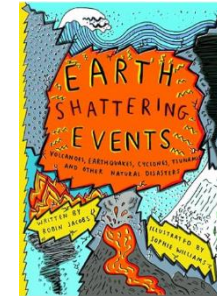
crust	Outer layer of the Earth which is made of solid rocks and minerals.
mantle	The part of the Earth that is between the crust and the core.
core	The central or innermost portion of the Earth, lying below the mantle and probably consisting of iron and nickel.
magma	Molten rock that is formed inside 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
ocean trenches	They are deep valleys in the ocean instead of on land.
ring of fire	A volcanic chain surrounding the Pacific Ocean.
tsunami	Giant waves caused by earthquakes or volcanic eruptions under the sea.

## Key questions

What is the earth made of?  
 How are mountains formed?  
 How are volcanoes formed?  
 What happens when a volcano erupts?  
 How does an earthquake occur?  
 What happens when an earthquake occurs?  
 How can we protect against earthquakes?  
 Understand environmental issues and their impact on Earth.  
 Why do people migrate to other countries?  
 What was the Windrush?



## 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 warning have a negative impact.
- After World War II many people from the Caribbean moved to the UK. This was called the Windrush.

