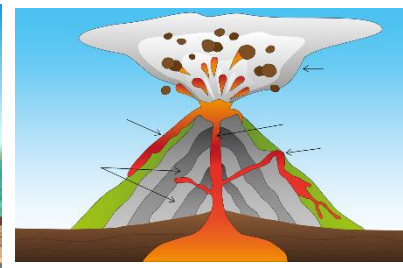


# Highgate Community Primary School – Year 5 Volcanoes

## Vocabulary

<b>crust</b>	The rigid outer shell of the Earth. You live on it!
<b>plate</b>	A large slab of rock, moved by the mantle below.
<b>plate boundary</b>	Where two plates meet.
<b>mantle</b>	Layer of solid, hot rock that can move and flow.
<b>core</b>	The hottest part of Earth: reaches 5,400 Celsius.
<b>magma</b>	Molten rock underground
<b>ash cloud</b>	Tiny particles of rock ejected from a volcano into the air.
<b>lava</b>	Molten rock that flows out of a volcano.
<b>central vent</b>	A route through the Earth's crust to the surface.
<b>eruption</b>	A sudden ejection of substances from a volcano.
<b>natural disaster</b>	An event caused by nature that has an impact on people and property
<b>effect</b>	A change that is a result of an action.
<b>tsunami</b>	A large wave that can be caused by an eruption



**Structure of a volcano**

## Key Facts

Know the structure of the planet Earth.

Know what happens at the boundaries between the Earth's plates.

Know what are the key features of a volcano.

Know where the famous volcanoes are.

Know what the key facts are about famous these volcanoes, including when the volcanoes last erupted.

Know what the effects are of a volcanic eruption.

Know what the advantages and disadvantages are of living near a volcano.

## Tectonic Plates Boundaries



## Key Knowledge

- The Earth is made up of layers. The top layer, the Earth's crust, consists of large slabs of rocks, called plates.
- The plates move as the hot mantle flows beneath them. The movement of the plates causes earthquakes and leads to volcanoes erupting.
- Earthquakes are measured on the Richter scale. They can cause devastating damage to buildings, roads and land.
- When volcanoes erupt they spew out lava. This is a very hot liquid that destroy anything in its path.
- Famous volcanoes: Soufrière (St Lucia, North America), Eyjafjallajökul (Iceland, Europe), Popocatepetl (Mexico, North America), Vesuvius (Italy, Europe), St Helens (USA, North America), Etna (Italy, Europe). Great African Rift Valley. Places in the world to remember: Haiti Iceland Japan Pacific Ring of Fire