### **Alder Coppice Primary School — Knowledge Organiser**

# Geography Year: 3 Unit Specific Vocabulary:

Volcano A landform where molten rocks erupts through the surface of the Earth. Earthquake A sudden violent shaking of the ground. Mountain Something that's part of the land, but rises above everything else. Mountain A group of mountains found together in one place. range Molten rock in the mantle. Magma Magma that has reached the surface. Lava Resistance or difficulty in moving. **Friction** Tectonic plates are rough and so there is friction when they move. **Tectonic plate** Large broken pieces made of the Earth's crust - they are slow moving pieces which we call plates.

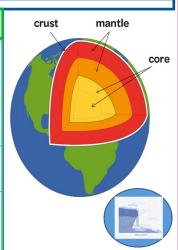
Fast moving clouds of hot ash, gas and

rock that destroys anything in its path.

Structure of the Earth	
Crust	Solid rock; 0-60km thick; continental (granite); oceanic (basalt); broken into tectonic plates.
Mantle	Liquid/ molten rock; ~2900km thick
Core (inner and outer core)	Liquid and solid metal; iron and nickel: ~5,400°C

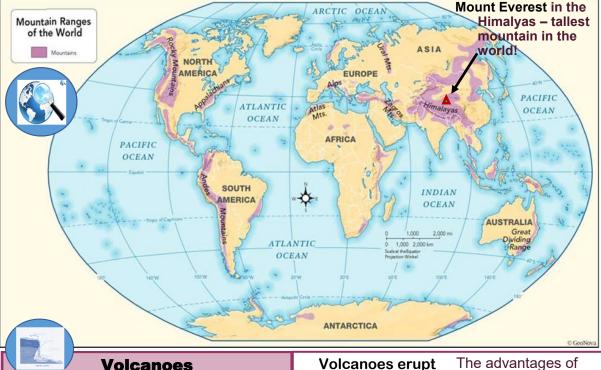
**Pyroclastic** 

flows



Unit 2: Mountains, Volcanoes and Earthquakes

Links to: Year 1 - UK Year 2 - Continents & Oceans



## Shield Larg

volcanoes



Largest volcanoes on earth; very wide, shaped like a bowl or shield with long gentle slopes made by the lava flows. Example: Kilauea (Hawaii) and Erta Ale (Ethiopia).





Most of the world's volcanoes are composite volcanoes: These are steep sided volcanoes made of layers of lava and ash; Magma is thick and explodes with burning rock and ash.

Volcanoes erupt when magma rises to the surface.



Earthquakes occur due to the slow movement of the tectonic plates jolting forward after getting stuck.

The advantages of living by a volcano include:

- Fertile soil that is good for agriculture
- The presence of minerals
- Geothermal energy to produce electricity
- Tourism: volcanoes attract millions of visitors every year

Volcanoes can be active, dormant or extinct.

## **Key Facts:**

#### The **highest mountains in the UK** are:

- Ben Nevis in Scotland (also the highest in
- Scafell Pike in England
- Slieve Donard in Northern Ireland
- **Mount Snowdon** in Wales

