

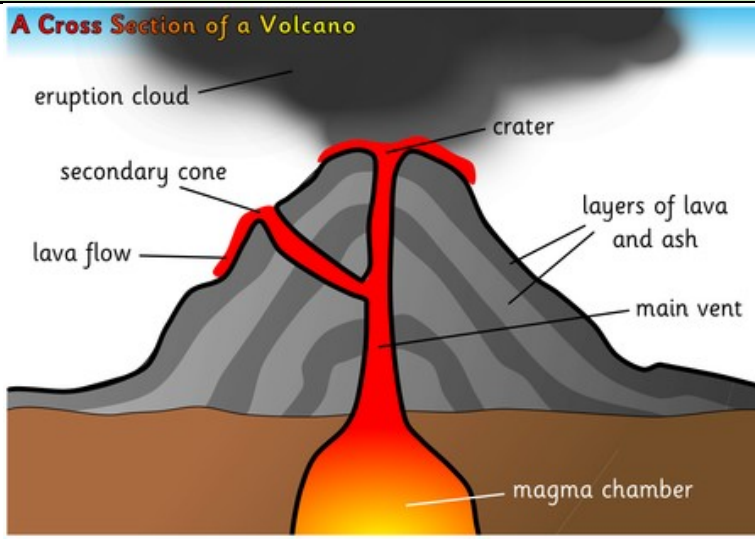
**What should I already know?**

- Rocks and soils (Year 3)
- Lava comes out of a volcano
- Know what a natural disaster is (and be able to name some)

**What will I know by the end?**

- How a volcano is formed
- How a volcano erupts
- Where volcanoes appear in the world and why
- The structure of the Earth
- What causes an earthquake
- Where earthquakes tend to happen
- What plate tectonics are
- How earthquakes are measured
- The effect of these natural disasters on the environment and human life
- Specific facts and geographical location of a volcano of choice

**How a volcano is made up**



**Vocabulary**

**Volcano**—a mountain formed on a plate boundary by layers of dried magma

**Earthquake**—two plate boundaries meeting and moving against each other

**Tectonic plates**—the Earth’s crust is made up of huge slabs of slowly moving rock

**Magma**—Molten rock under the Earth’s surface. When it erupts out of a volcano, it is called lava

**Active**—a volcano that is currently erupting or is expected to erupt in the near future

**Dormant**—a volcano that is not currently erupting but has in the past and may do again

**Extinct**—a ‘dead’ volcano. It will not erupt again

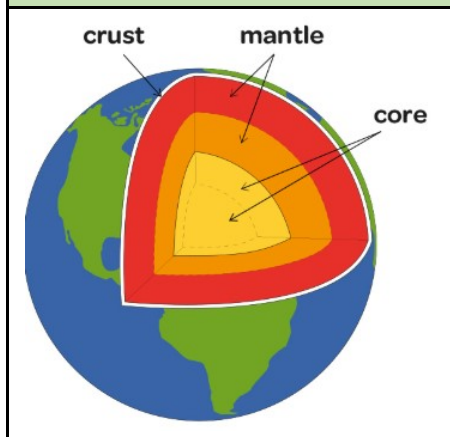
**Magnitude**—the strength of an earthquake

**Seismograph**—the device used to measure the strength of an earthquake

**Geographical Skills and Enquiry**

- Using a world map or atlas (volcano study)
- Understand that geographical features of the world are interdependent (plate tectonics)
- Know the location and characteristics of significant physical features (all)
- Describe and understand the key aspects of volcanoes and earthquakes (all)

**The structure of the Earth**



**How an earthquake occurs**

