

St. Mary's Catholic Primary School



Subject: Geography

Topic: Volcanoes

Year: 4

What should I already know?

- Know that volcanoes erupt.
- What a volcano looks like.
- How a volcanic eruption can affect people or animals living in the area.
- Lava flows from a volcano and is extremely hot.



Vocabulary

Dormant: Not active; at rest.

Erupt: To break or burst out suddenly.

Extinct: No longer existing or no longer active or burning (volcano.)

Fertile: Producing or able to produce farm crops or other plant life.

Magma: Hot, liquid matter beneath the earth's surface that cools to form igneous rock. Magma that reaches the earth's surface, as when a volcano erupts, is called lava.

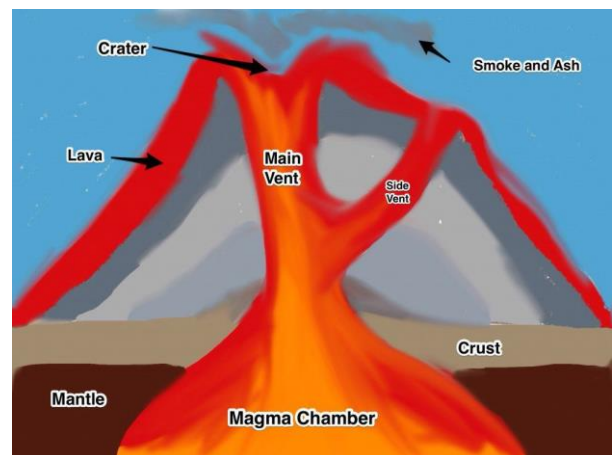
Mining: The act or business of digging up coal, ore, or other minerals in a mine.

Species: A group of living things that can mate with one another but not with those of other groups.

Tectonic: Of or relating to changes in the earth's crust.

What am I going to learn?

- A volcano is a mountain or hill that has a vent through which lava, rocks and gas erupt.
- The Earth is made up of different layers: the crust, the mantle, the outer core and the inner core.
- The mantle is made up of magma (gases and liquid rock). This becomes lava.
- Magma is the reason volcanoes erupt; if there's too much it causes extreme pressure.
- Features of a volcano include ash, a vent, crater, conduit, magma, throat, lava and flank.
- The three types of volcanoes that are formed are: Composite, Shield and Dome.
- Volcanoes can be active, dormant or extinct and are monitored regularly.
- A tectonic plate is a massive slab of solid rock.
- The Earth is always changing as the plates move and collide with one another.
- There are some reasons people choose to live near volcanoes. These are: minerals, fertile soil, geothermal energy and tourism.



Useful Websites

- BBC Bitesize: Volcanoes
<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zd9cxyc>
- DK Find out: Volcanoes:
<https://www.dkfindout.com/uk/search/volcanoes/>
- The School Run: What is a volcano?
<https://www.theschoolrun.com/homework-help/volcanoes>