



Paganel Primary School – Spring Term Knowledge Organiser

Year Group: Year 4 Topic: Island Life

Prior knowledge

- Children have used atlases to look at maps and locate countries.
- Children have drawn maps and used keys to identify key features.
- Children have looked at various aerial photos and have explained the similarities and differences.
- Children have looked at human and physical geography and have compared the similarities and differences.
- Children have looked at areas of the world and have said what has changed.

Key Knowledge

- The Earth is made up of 7 **tectonic plates** which move and create **friction**. This is the Earth's **crust**.
- These tectonic plates are floating on the **mantle** of the Earth which is where the **lava** from volcanoes comes from.
- **Kilauea** is a volcano on the island of **Hawaii**. It has been constantly erupting since 1983.
- The **Icelandic volcano eruption of 2010** affected 6 continents of the Earth because of the immense **ash cloud**.
- An **active** volcano is one that has erupted recently, and there is the possibility that it may erupt again.
- A **dormant** volcano is one that has not erupted for a long time, however, it may still erupt in the future.
- An **extinct** volcano is one which has erupted thousands of years ago, but it will probably never erupt again.

Key Vocabulary

Spelling	Definition/Sentence
Crater	A hollow area shaped like the inside of a bowl. The mouth of a volcano is a crater
Earthquake	A shaking or other movement of part of the earth's surface. It is caused by movement deep within the earth. Earthquakes can cause the ground to split.
Equator	The imaginary circle around the earth that is halfway between the North and South Poles.
Island	An area of land smaller than a continent and surrounded by water on all sides.
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 .
Natural Disaster	A natural disaster is a naturally caused phenomenon such as an earthquake or tsunami.
Tectonic Plates	Any of the several segments of the Earth's crust that move in relation to one another causing such phenomena as continental drift and volcanic eruptions.
Tsunami	A tsunami is a giant wave caused by a huge earthquake under the ocean.
Volcano	An opening in the earth's crust through which melted rock, ash, and gases are forced out.

Images and Diagrams



Volcanic Island – New Zealand



Map of the world

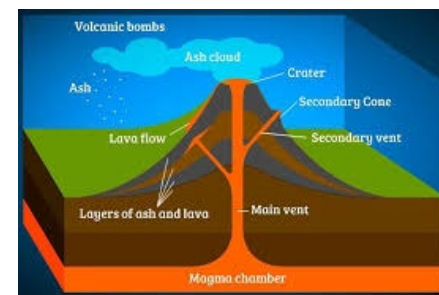


Diagram of the inside of a volcano