



Topic: Volcanoes & Earthquakes

Year: 3

Strand: Human & Physical Geography

What should I already know?

In Key Stage One you learnt about use basic geographical vocabulary to refer to key physical features, including: beaches, cliffs, coasts, forests hills mountains, seas, oceans, rivers, soil, valleys, vegetation, seasons and weathers. In Year 3 we have looked at geographical features in the UK. Now we are going to learn about another physical feature—volcanoes.



Key Vocabulary

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| Volcano | A volcano is a mountain from which hot melted rock, gas, steam, and ash from inside the Earth sometimes burst. |
| Tectonic Plates | Tectonic plates are pieces of land that connect together on the Earth's outer shell. |
| Magma | Magma is molten rock that is formed in very hot conditions inside the earth. |
| Crust | The crust is the outer layer of the earth. |
| Mantle | The mantle is the layer of earth below the crust. |
| Active volcano | An active volcano is a volcano that can still erupt. |
| Dormant volcano | A dormant volcano is is an active volcano that is not currently erupting, but could erupt again. |
| Lava | Lava is the very hot liquid rock that comes out of a volcano. |
| Eruption | An eruption is when a volcano explodes and produces ash or lava. |
| Earthquake | An earthquake is a shaking of the ground caused by movement of the Earth's crust. |
| Epicentre | The epicentre of an earthquake is the place on the earth's surface directly above the point where it starts, and is the place where it is felt most strongly. |
| Aftershock | Aftershocks are smaller earthquakes which occur after a large earthquake. |
| Richter Scale | The Richter scale is a scale which is used for measuring how severe an earthquake is. |

What will I know by the end of the unit?

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| What is the outer layer of the earth called? | The crust. |
| What is the inner layer of the earth called? | The core |
| How do earthquakes happen? | Tectonic plates rub together causing the earth's crust to move. |
| Where in the world are a large number of volcanoes located? | Pacific ocean—the Ring of Fire. |
| Can you name two types of volcano? | Active, dormant, extinct |
| If an earthquake measured over 8 on the Richter scale, is it a strong or weak earthquake. What might happen? | A very strong earthquake - building collapse. |
| What is the name of the part of a volcano where the lava erupts? | The vent |

Geographic Enquiry

- Use maps, atlases, globe and digital mapping to locate countries and describe the features studied.

Objectives

- To describe and understand key aspects of volcanoes and earthquakes.

Useful Websites

<https://www.dkfindout.com/uk/earth/volcanoes/>