

Geography: Volcanoes - How do volcanoes affect the life of people on Hiemaey?

Y 4 Spring Term

National Curriculum subject content:

Locational knowledge

To locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

Human and physical geography

To describe and understand key aspects of physical geography, including mountains and volcanoes.

Geographical skills and fieldwork

To use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied



Key Vocabulary:

Active	An active volcano is a volcano which is either erupting or is likely to erupt in the future
Ash cloud	A cloud of something such as smoke or dust is a mass of it floating in the air.
Conduit	The channel or pipe that carries magma from a reservoir or chamber to the vent where it is erupted
Crater	A volcanic crater is an approximately circular depression in the ground caused by volcanic activity
Crust	The outer surface of the Earth.
Dormant	An active volcano that is not erupting now.
Eldfell	The volcano on the island of Hiemaey.
Eruption	When lava and gas are released from a volcano—sometimes explosively.
Extinct	Extinct volcanoes are not expected to erupt in the future.
Hiemaey	An Island of the south coast of Iceland.
Iceland	A northern European country.
Inner core	The inner core is the deepest and hottest layer of our planet.
Lava	Hot molten rock erupted from a volcano.
Magma	Hot molten rock inside a volcano.
Magma chamber	The location beneath the vent of a volcano where molten rock (magma) is stored prior to eruption.
Main vent	The channel through which magma travels to reach the Earth's surface.
Mantle	The second layer of the Earth.
Outer core	The outer core is the outer layer of the core that is made of liquid iron and nickel
Ring of fire	The Ring of Fire is a string of volcanoes and earthquakes zones, around the edges of the Pacific Ocean
Rock	A rock is a solid hard material that the Earth is made from.
Secondary vent	Secondary vents are smaller openings in a volcano from which magma erupts.
Tectonic plates	The Earth's surface is cracked into large pieces called tectonic plates.
Volcano	A volcano is an opening in the Earth's surface. Usually found in a mountain, the opening allows gas, hot magma and ash to escape from beneath the Earth's crust.

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Sequence of Learning:

Objectives (key knowledge):

Lesson 1 To be able to locate the UK, Iceland and Hiemaey on a range of maps.	Lesson 2 To know the features of a volcano.	Lesson 3 To know that volcanoes are mainly located near where tectonic plates meet.	Lesson 4 To know what happens when a volcano erupts.	Lesson 5 To know key facts about the eruption of Eldfell in 1973.	Lesson 6 To know how volcanoes affect the lives of the people who live close by.
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