

How do volcanoes effect the lives of people living on Hiemaey?

Important areas that we will explore this term:

- The countries, major cities and populations of Europe.
- Identifying longitude and latitude on a World map.
- The cities and main physical features of Iceland.
- How Iceland's physical and human geographical features compare with the UK, specifically our local area of Canterbury.
- A study of Hiemaey in the Westman Islands, Iceland
- How volcanoes are formed and the structure of a composite volcano
- Why fishing, trade and tourism are important economic activities for people in Iceland

Key objective

To understand the causes and impact of volcanoes in Iceland and evaluate the costs and benefits of living on a volcanic island

Key vocabulary

Prior	Core	Extension
Volcano	Tectonic plates	Archipelago
Eruption	Longitude	Tourism
Magma	Latitude	Economic activity
Island	Trade	Processing

Important maps I will refer to



Europe



Iceland

Where is Heimaey?



Westman Islands



The Mid-Atlantic Ridge



Tectonic plates of the Earth's Crust



Volcanic activity

Important places I will visit

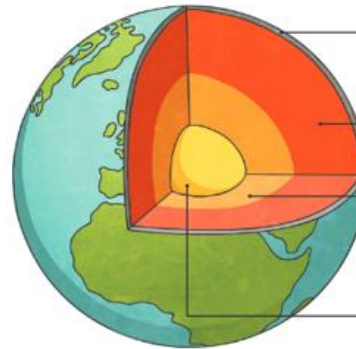


Iceland



The island of Hiemaey, Iceland

Layers of Earth



Crust
Thin outer layer. Hard rock. 10km-90km thick.

Mantle
Extremely hot rock that flows. 3000km thick.

Outer core
Iron and nickel. Mostly liquid with some rocky parts. 4000°C.

Inner core
Iron and nickel. Hottest layer at over 5000°C.

Important economic activities I will know more about



Fish processing and export

Examining human and physical geography of Iceland.

Volcanoes

- Volcanoes are made when pressure builds up inside the earth. This affects the earth's crust causing **magma** to sometimes **erupt** through it.
- Active volcanoes have **erupted** in the last 10 000 years.
- Dormant volcanoes haven't **erupted** in the last 10 000 years but may erupt again.
- Extinct volcanoes aren't expected to **erupt** again.



Geographical concepts I will understand:

- Human geography
- Physical geography
- Environment
- Distribution
- Trade
- Economic activity
- Tourism
- Climate
- Natural resources

