Geography: Why Do People Live Near Mountains and Volcanoes?
Year 4 Autumn 2

How Mountains Form

Fold Mountains

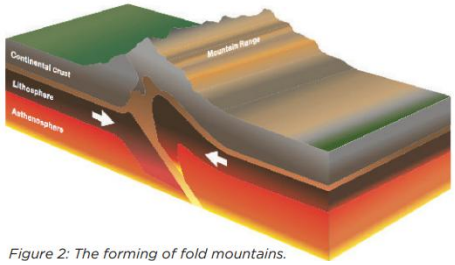


Figure 2: The forming of fold mountains.

Block Mountains

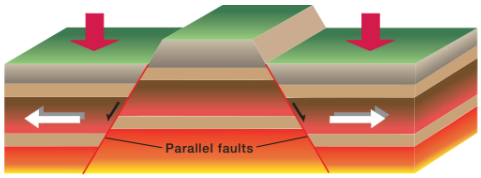


Figure 3: The forming of block mountains.

Rift Valleys

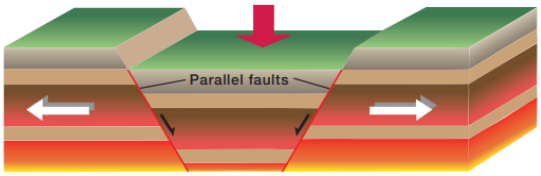


Figure 4: The forming of rift valleys.

Why should we learn about mountains and volcanoes?

The grandeur of mountains and the power of volcanoes are fascinating. The connection between them lies at the molten core of our planet. In this unit, we will explore the relationship between humans and the physical geography of mountains and volcanoes.

Key Vocabulary

Active – a volcano which is either erupting or is likely to erupt in the future.
Ash cloud – a mix of rock, mineral and glass particles expelled from a volcano during an eruption.
Dormant – a volcano that has been inactive for a period of time.
Eruption – when hot rocks, ash and lava are forced out of a volcano.
Extinct – a volcano that is incapable of erupting.
Fold mountain – where crumpled land concertinaed between colliding tectonic plates.
Magma – the molten rock found below the Earth's surface.
Pyroclastic flow – a mix of gases, molten rock and very hot air that travels at great speed down the volcano.
Tectonic plates - plates which float on and travel over the Earth's mantle.

Website Links

- https://www.natgeokids.com/uk/discover/geography/physical-geography/volcano-facts/
- https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zd9cxyc
- https://www.bbc.co.uk/bitesize/topics/z3fycdm/articles/zb3ywty

Enquiry Questions

- How is the Earth structured?
- What is a volcano?
- How do mountains and volcanoes form?
- Where are the world's mountains and volcanoes?
- How do volcanoes erupt?
- How do volcanoes affect the lives of people who live there?
- What are the advantages and disadvantages of living near a mountain?

Geographical Skills

- Find the same place on a globe and in an atlas.
- Describe the main features of a well-known city.
- Explain why people are attracted to live in cities.
- Explain why people may choose to live in a village rather than a city.
- Use appropriate symbols to represent different physical features on a map.

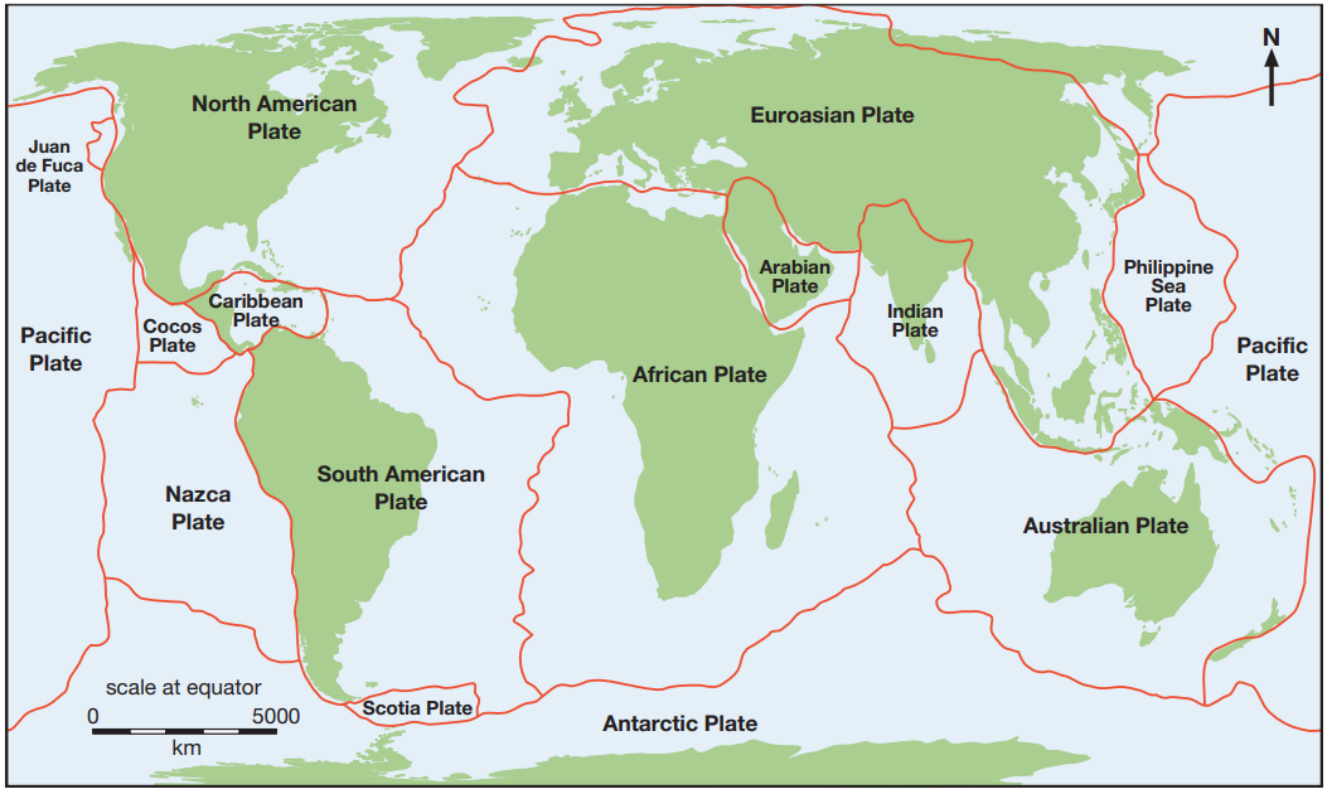
Why don't you…

- Make your own erupting volcano?
- Create a newspaper about what happened on the day a volcano erupted?
- Design a presentation to teach a family member about mountains and volcanoes?

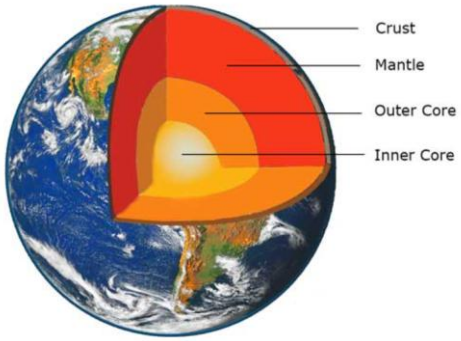
Geographical Concepts

- **Physical and human processes** – looking at how events can change the physical and human world. Physical processes occur naturally due to the power of the planet.
- **Scale** – understanding the big picture as well as our experiences in day to day life.

Tectonic Plates



Structure of the Earth's layers



Active Volcano