

Year 6: Summer 2 Volcanoes-Would you build a house on a volcano?

Previous learning: Pupils will draw upon their knowledge of mountain ranges and their position in the world, to deepen this knowledge whilst exploring volcanoes and the impact they have on the physical and human geography. Pupils will draw upon their knowledge of the impact of natural disasters studied in previous years.

Sticky Knowledge

1. A volcano is an opening in the Earth's surface.
2. A volcano is formed when hot molten rock, ash and gases escape from an opening in the Earth's surface.
3. Deep within the Earth it is so hot that some rocks slowly melt and become a thick flowing substance called magma.
4. Some of the magma pushes through vents and fissures to the Earth's surface.

Disciplinary knowledge

1. To use grid references, lines of latitude and longitude, contour lines and symbols in maps and on globes to understand and record the geography of an area.
2. To plot volcanoes and mountains on a world map.
3. To create a cross section diagram of a volcano and label the key features.
4. Explain the physical processes that cause volcanic eruptions.

Lesson 1

Making an erupting volcano experiment

To know a volcano is an opening in the Earth's surface.

To define what a volcano is.

Lesson 2

What is a volcano and how is it formed? Human and physical geography of Iceland.

To explain what a tectonic plate is.

To analyse and compare how mountains and volcanoes are formed using technical language.

Lesson 3

The key features of a volcano. The difference between a volcano and a mountain

	To say the difference between a mountain and a volcano.	To create a cross section diagram of a volcano and label the key features, comparing it to a mountain, including locating active, dormant, and extinct volcanoes on a world map.
Lesson 4	Volcanic eruptions	
	To talk about the specific vocabulary associated to volcano eruptions.	To explain what happens when a volcano explodes and illustrate the process.
Lesson 5	How volcanic eruptions affect environments	
	To say what the risk of living near a volcano is.	To explain the impact of volcanic eruptions on human life and the environment.
Lesson 6	DT/Art - Volcanic warning with a switch	
	To create a electronic volcano.	I can create a range of models using different materials and scales.