

Topic: Geography Human and Physical	Year group	Term
Volcanoes	Year 5	Spring 12 sessions

Background knowledge

A volcano is an opening in the Earth's **crust** that allows **magma**, hot ash and gases to escape. Volcanoes can look like mountains or small hills, depending on what type they are.

Magma is **molten rock** - rock that is so hot it has turned into liquid. When magma reaches the surface of the Earth it is called lava and comes out of the volcano as a volcanic eruption, along with gases and ash.

Planbee and Twinkl for resources

What should I already know?

Year 3

I can use basic geographical vocabulary to refer to key physical features including beach, cliff, coast, forest, mountains, sea, ocean, river, soil, valley, vegetation, season and weather and human features including city, town, village, factory, farm, house, office, port, harbour and shop.

Year 4

I can use physical geography, including earthquakes.

I can use human geography, including types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water

National Curriculum Objectives / Key Skills	The Journey
Describe and understand key aspects of: physical geography, including: volcanoes. Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water I can use physical geography, including: volcanoes.	1. What and where are volcanoes. 2. I know how a volcano is formed and what happens when it erupts. 3. I can name the different parts of a volcano and identify their function. 4. I can identify the ring of fire and discuss tectonic plates.

I can use human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water	5&6. I can research similarities and differences of my local area and Hawaii (volcanic and non-volcanic area). 7. I can explain that there are 3 types of volcanoes. 8. I Know the effects of a volcanic eruption has on the environment. 9. I can find out about the lost city of Pompeii. 10. To research famous volcanoes from past and present. 11. To know volcanoes can be found on other planets. 12. Quiz and children to create a volcano.
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Outcomes

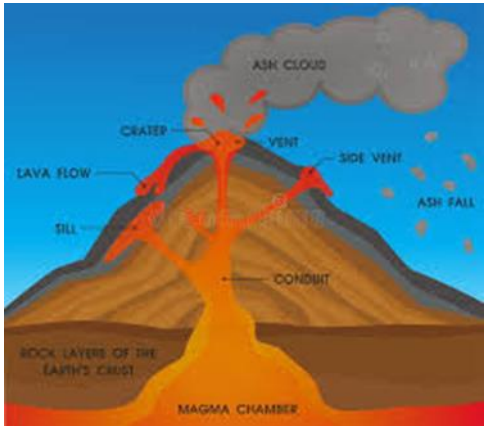
An overview of what children will know / can do

Working towards: I can highlight volcanoes are located. I know what happens when a volcano erupts. I know some features of a volcano with support. I can identify the ring of fire. I can research similarities and differences of my local area and Hawaii (volcanic and non-volcanic area) with support. I can explain that there are 3 types of volcanoes. I Know the effects of a volcanic eruption has on the environment, with support. I can find out about the lost city of Pompeii. To research famous volcanoes from past and present. To know volcanoes can be found on other planets. I can answer questions and create a volcano with support.

Expected: I can label what and where are volcanoes. I know what happens when a volcano erupts and what causes the eruption, with support. I know the features of a volcano. I can identify the ring of fire and discuss tectonic plates, with support. I can research similarities and differences of my local area and Hawaii (volcanic and non-volcanic area). I can explain that there are 3 types of volcanoes. I Know the effects of a volcanic eruption has on the environment. I can find out about the lost city of Pompeii. To research famous volcanoes from past and present. To know volcanoes can be found on other planets. I can answer questions and create a volcano.

Exceeding: I can label what and where are volcanoes using a variety of resources. I know what happens when a volcano erupts and what causes the eruption. I know the features of a volcano and can give a definition of them. I can identify the ring of fire and discuss tectonic plates. I

can research similarities and differences of my local area and Hawaii (volcanic and non-volcanic area). I know the effects of a volcanic eruption has on the environment. I can find out about the lost city of Pompeii and discuss what happened.

Key Vocabulary	Timeline / Diagrams
Key vocabulary / spellings with definition Crust-Outermost layer of rock of which a planet consists. Faultline- A line on the rock surface or the ground that traces geological fault. Tectonic plates- 7 large plates which make up the earth's surface. Volcano- A mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapour, and gas are or have been erupted from the earth's crust. Lava- Hot molten rock erupted from a volcano. Magma- Hot fluid within the earth's crust. Eruption- When magma is released from a volcano.	 

Key people / places

Pompeii

Hawaii

San Francisco

Assessment questions / outcomes

Assessment questions that will be used throughout the topic or at the end of the topic

A final piece of work at the end of the topic to show knowledge

1. What are volcanoes?
2. How are volcanoes formed? What happens when they erupt?
3. Can you label the parts of a volcano and match their function to the correct part?
4. Can you draw the ring of fire on a map? What is its importance?
5. Locate Hawaii on a map.
6. How is the landscape of Hawaii different to ours?
7. Label the 3 types of volcano and match their definition.
8. What happens to the land once a volcano has erupted?
9. What famous volcanic eruption happened in Italy? What happened?
10. Name 3 famous volcanoes.
11. Where can volcanoes be found?
12. Write 3 facts about volcanoes.