



Volcanoes



Pupils will learn

- What is the Earth made of?
- Where can we find volcanoes?
- What is a volcano and how is it formed?
- How earthquakes are formed.
- To know there are different types of volcanoes.
- To know the effects of a volcanic eruption on the environment.
- To find out what happened to the lost city of Pompeii.

Important facts

- Links to prior learning:
 - Rocks Science(year 3)
- There are 3 main types of volcanoes: Shield, composite, cinder cone
- The word volcano originally comes from the name of the Roman god of fire, Vulcan.
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Italy	Mount Vesuvius
Indonesia	Krakatoa
USA	Mount St. Helens
Hawaii	Mauna Loa
Philippines	Mount Pinatubo
Mexico	Popocatépetl
Alaska	Mount Shishaldin
Japan	Mount Fuji

Local Links

- UEA
- <http://www.northfolk.org.uk/geology.html>
- West Runton <https://www.seaviewbeachcafe.co.uk/>
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Home Learning Ideas

- Research different countries where volcanoes appear
- <http://play.toptrumpsonline.com/volcano.html>
- https://www.youtube.com/watch?v=K7Oq9_DU1M
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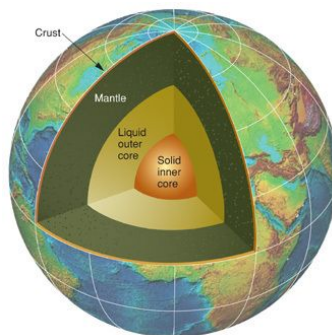
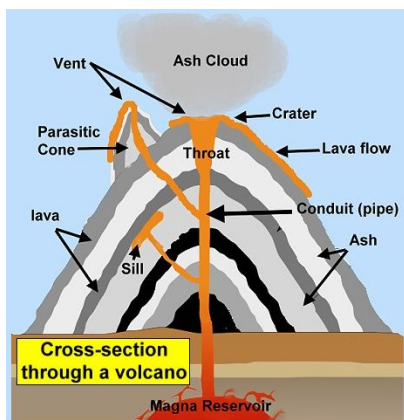
Books to read at home

Escape From Pompeii - Christina Balit
 The Rock Factory: The Story of Rocks and Stones - Jacqui Bailey
 The Street Beneath my Feet -Charlotte Guillain
 King of the Cloud Forest - Michael Morpurgo

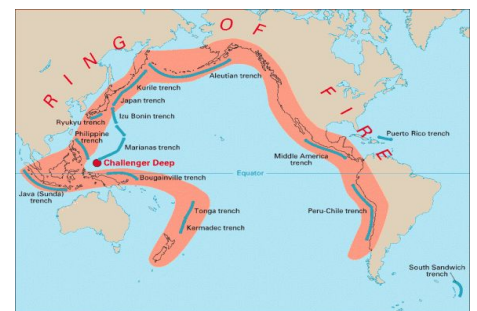
Inquiry Questions

- Why do we not have any active volcanoes in England?
- Where are the most active volcanoes?
- Are all volcanoes dangerous?
- Which is the world's biggest volcano?
- How are volcanoes made?

Further Information



The 4 layers to our planet:
 Crust, Mantle, outer core, inner core



Ring of Fire: that surrounds the Pacific Ocean.

Key Vocabulary

Active volcano	An active volcano is a volcano that has had at least one eruption during the past 10,000 years	Crater	A volcanic crater is an approximately circular depression in the ground caused by volcanic activity.
Dormant volcano	A dormant volcano is an active volcano that is not erupting, but supposed to erupt again..	Eruption	An occasion when a volcano explodes, and flames and rocks come out of it.
Extinct volcano	An extinct volcano has not had an eruption for at least 10,000 years.	Magma Chamber	A magma chamber is a large pool of liquid rock beneath the surface of the Earth.
Core	Earth's core is the very hot, very dense center of our planet.	Plate boundary	A divergent boundary occurs when two tectonic plates move away from each other.
crust	The Earth's crust is the Earth's hard outer layer.	Lava	Hot molten or semi-fluid rock erupted from a volcano or a tear.
Mantle	A mantle is a layer inside a planetary body bounded below by a core and above by a crust.	Magma	Hot fluid or semi-fluid material below or within the earth's crust.
Tectonic plate	Tectonic plates are pieces of Earth's crust and uppermost mantle, together referred to as the lithosphere.	Richter scale	The Richter magnitude scale is a scale of numbers used to tell the power (or magnitude) of earthquakes.
Epicentre	The place on the earth surface where the earthquake place.	Vent	Volcanic vents are openings in the Earth's crust from which lava and pyroclastic flows are ejected.
Method	<i>Noun:</i> a particular procedure for accomplishing or approaching something	Decrease	<i>Noun:</i> make or become smaller or fewer in size, amount, intensity, or degree.
Assess	<i>Verb:</i> evaluate or estimate the nature, ability, or quality of.	Increase	<i>Noun:</i> become or make greater in size, amount, or degree.

* Words in grey are Tier 2 (non-topic specific) vocabulary