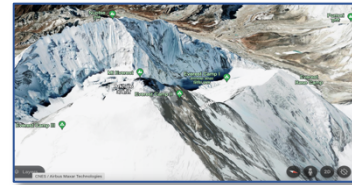


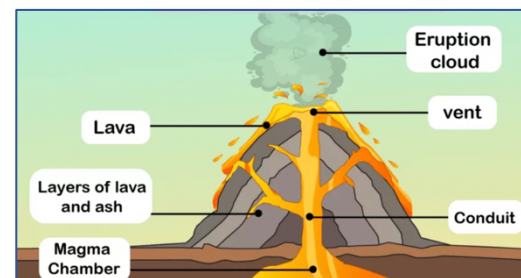
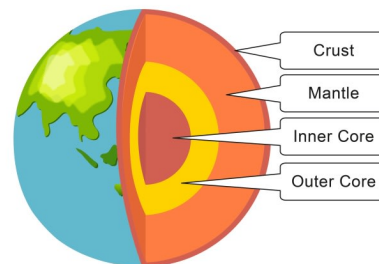
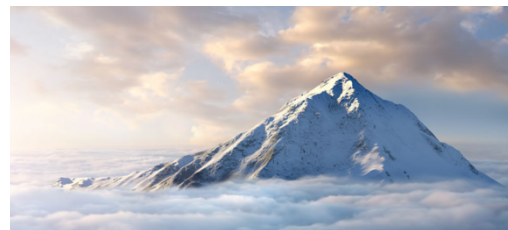
Year: 3

Term: Autumn 2



Mountains and Volcanoes

Enquiry Question: What are Mountains and Volcanoes and How Are they Different?



Key Facts:

- A mountain is a peak above 3000 feet.
- Mount Everest is the highest mountain on Earth. It rises to 8849 metres above sea level (29028 feet).
- In comparison the highest peak in the UK is Ben Nevis at 1344 metres in the Grampians, Scotland
- Mount Everest is barren, with rocks, snow, ice. However, in the foothills of the mountain there is farming.
- While tourism has created many jobs, it has also led to pollution and deforestation.
- The seven highest summits in the world are: Mount Everest, Aconcagua, Mount McKinley, Kilimanjaro, El'brus, Vinson Massif and Mount Kosciusko
- The main mountain ranges are: The Himalayas (Asia), Alps (Europe), Rocky Mountains (North America) and Andes (South America)
- The Earth's surface – the crust- is made of different sections called plates (like a cracked eggshell).
- Tectonic plates can be continental (on land) or oceanic (under the sea).
- The Earth's plates are constantly moving.
- Occasionally two plates move closer to each other, this creates intense pressure, causing the plates to buckle. **This process forms a mountain.**
- Another type of mountain, formed at plate boundaries, is a **volcano**.
- While other types of mountains are located within the body of a tectonic plate, volcanoes are located on the boundary between two tectonic plates.
- In its simplest terms a volcano is formed when magma penetrates the Earth's crust.
- Volcanoes can be active, dormant or extinct.

Glossary:

Mountain	A landform that rises above the surrounding terrain (land).
Volcano	An opening in the Earth's surface that can allow hot magma and ash to escape.
Tectonic Plate	The outer layer of the Earth is the crust, and it is broken into large pieces called tectonic plates.
Summit	The top of something, usually a mountain or a hill.
Eruption	The plant life of a region.
Active	A volcano that has recently erupted and could again soon.
Dormant	A volcano that has not erupted in a long time but could in the future.
Extinct	A volcano that has not erupted for 10,000 years or more and is unlikely to again.

Key Questions:

- What and where are the seven highest peaks in each continent?
- What is the highest mountain in the UK?
- What is the difference between a mountain and a volcano?
- Is it always a bad thing living near a volcano?
- Is the last around mountains always grey and cold?

CLASSES 3MR and 3GC

Homework to be completed and returned by
Tuesday 9th January.

Topic Homework

Reading

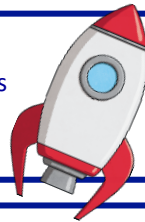
Remember to read each day and get an adult to sign your reading record. Don't forget to collect your rewards for reading!



Dear, pupils, parents and carers,
Our topic this half term is Mountains and Volcanoes! We will be learning about mountains and volcanoes around the world, how they are formed and how they impact our lives. We will also be exploring different artists who are inspired by these formations in their artwork. **Have fun and good luck!**

Spelling

Don't forget spelling rules for your Spelling words will go home with you Friday for your test the following week!



Maths

Remember to revise your **time tables**.

Practice the **number facts** you are working on each week. You will be tested on these!



And please don't forget to log onto **Times Table Rock Star!**

WRITING AND TOPIC

You have a scrap book to use to complete your homework project. Over the next six weeks complete some of these activities or make some up of your own.

COMPLETE AT LEAST ONE OF THE WRITING TASKS

1. Write a poem about Mountains and Volcanoes, using descriptive language, rhythm and rhyme.
2. Write a fact file about natural disasters: volcanoes and earthquakes.
3. Write a newspaper article, reporting on a volcanic eruption that has taken place.

NOW CHOOSE SOME OR ALL OF THESE

1. Make a salt dough volcano.
2. Create a 3D map of the world using papier mache or clay and label it with famous volcanoes throughout the world.
3. Design your idea of an earthquake proof house.
4. Paint a volcano erupting using bright red, yellow and orange paint splatters.

Home Learning Links:

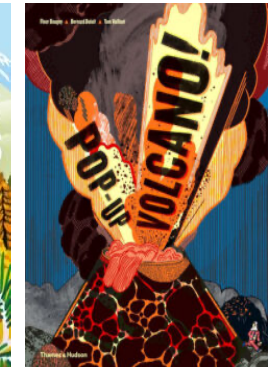
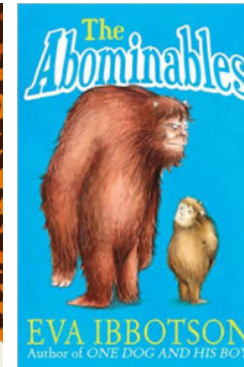
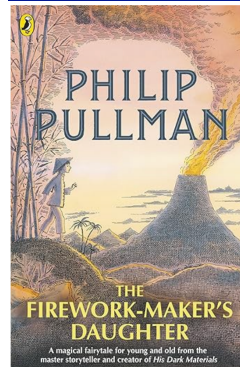
BBC Bitesize – What are Mountains?
<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zyhf3i6>

BBC Bitesize – What are Volcanoes?
<https://www.bbc.co.uk/bitesize/topics/z849q6f/articles/zfhf3j6>

Oak National Academy –
<https://classroom.thenational.academy/units/mountains-volcanoes-and-earthquakes-e02a>

BBC Teach -
<https://www.bbc.co.uk/teach/class-clips-video/ks2-geography-mountains/zjvwwx>

Recommended Reads:



Places to Visit:

Natural History Museum -
<https://www.nhm.ac.uk/visit/galleries-and-museum-map/volcanoes-and-earthquakes.html>

View map to explore the museum:
<https://www.nhm.ac.uk/visit/galleries-and-museum-map.html>

How to Make a Volcano Activity: <https://www.nhm.ac.uk/discover/how-to-make-a-volcano.html>