

Magnificent Mountains

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Year 5 Geography Knowledge Organiser Summer Term 2023

This term, in Geography, we will find out about the major mountains of the world and the UK. We will explore the different ways in which mountains have been formed, and how different features of mountain ranges have been shaped over time. We will consider what the weather is like and the land use of mountainous environments, and will evaluate the impact that tourism has on a mountainous region.

Key Vocabulary and definitions

altitude	The height above sea level.
avalanche	A large amount of snow that quickly moves down a mountain or slope.
crust	The outermost layer of the earth.
gorges	A narrow valley with steep walls, found between hills or mountains.
hypothermia	A serious condition when the body gets too cold and can't warm itself up.
lava	Hot, liquid rock that flows from a volcano.
magma	Hot, liquid rock located deep below the earth's surface.
summit	The highest point of a mountain.
tectonic plate	Pieces of the earth's crust connected together.

What are mountains?

Mountains

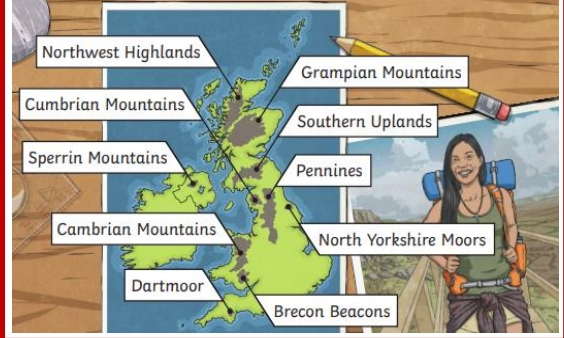
- Mountains are a natural part of the landscape with steep slopes.
- They rise above 300m.
- They have a **summit** of at least 600m.
- Some mountains are found in groups called a mountain range but some mountains can be on their own.
- Not all mountains are single **summits**.
- Mount Everest is the highest mountain in the world – 8848m.

Mount Everest

Key Knowledge

How Are Mountains Made?				
Fold mountains	Fault-block mountains	Volcanic mountains	Dome mountains	Plateau mountains
Tectonic plates collide and rock is pushed up.	Cracks in the earth's surface open up, some chunks of rock are pushed up, some down.	Formed around volcanoes and made of layers of ash and cooled lava .	Formed when earth through magma is forced upwards but doesn't ever flow out of the crust .	Materials taken away through erosion leave deep valleys or gorges next to high cliffs.

Mountains in the United Kingdom



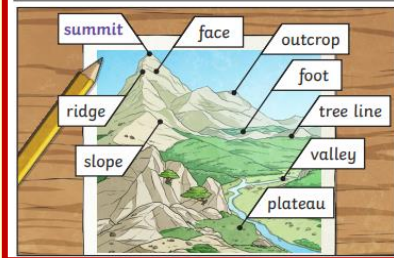
Key Knowledge

Contour Lines

These lines on a map join land that is at the same height.

They are usually marked in 5m or 10m intervals.

The closer the lines are together, the steeper the slope will be.



- Key Questions...**
- Why do people visit mountains?
 - What are the risks and dangers of visiting mountains?