

Mountains Knowledge Organiser

Key knowledge

- The highest mountain in the world is Mount Everest. It is 8,848 m high.
- Mountains rise above 300m.
- Mountains 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.
- Mountains are formed when huge areas of land hit each other. The surface of the earth is made up of lots of different sections called tectonic plates. Mountains can be formed in different ways: when these plates collide or when magma can get from the centre of the earth up to the surface.
- There are five types of mountains:
 - Fold - The Himalayas are Fold Mountains.
 - Block - The Sierra Nevada mountains in California, USA are fault-block mountains.
 - Dome - Bear Butte in South Dakota, USA is an example of a dome mountain.
 - Volcanic - Mount Fuji in Japan is a volcanic mountain.
 - Plateau - The Columbia Plateau in the Northwest USA is an example of this type of mountain.
- Risks to humans who live in mountainous areas:
 - Low temperatures causing hypothermia
 - Bad weather leaving you stranded or causing road accidents
 - Bad weather causing power cuts
 - Avalanches or landslides
 - Altitude sickness
 - Wild animals
 - Poorer access to medical facilities, schools, etc.

BIG Questions

How are mountains formed?

Where would we find mountains?

Who are Edmund Hillary and Tenzing Norgay?

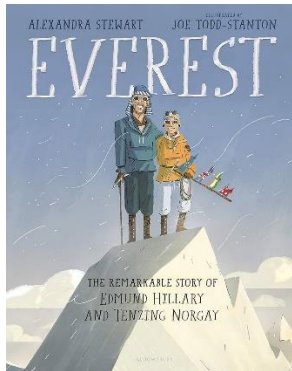
Why could life in the mountains be considered dangerous?

Why are contour lines an important part of a map?

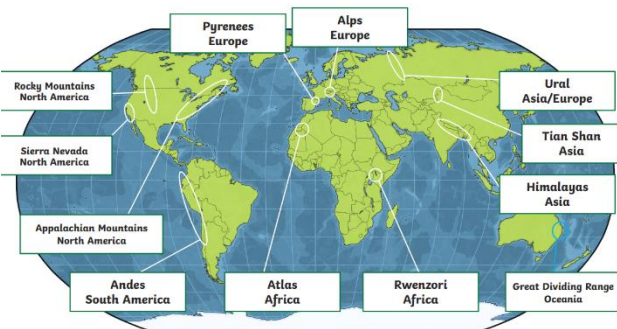
Key Vocabulary

altitude	The height above sea level.
ascent	A climb or walk to the summit of a mountain or hill.
avalanche	A mass of snow, ice and rocks falling down a mountainside.
contours	A contour line joins points of equal elevation (height) above a given level, such as sea level.

Our Text



Mountain Ranges of the World



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	Molten rock that flows from volcanos.
magma	Hot, liquid rock located deep below the earth's surface.
mountain	A landform that is higher and steeper than a hill.
summit	The highest point of a mountain.
tectonic plate	Large pieces of the Earth's crust (surface).
topography	The arrangement of the natural and artificial physical features of an area.
tourism	Travelling to another area for fun.
valley	Low ground in between mountains.

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 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.