

Prior Knowledge/Key knowledge

Key Facts

Volcanoes are made when pressure builds up inside the earth.

This affects the earth's crust causing magma to sometimes erupt through it.

Active volcanoes have erupted in the last 10 000 years.

Dormant volcanoes haven't erupted in the last 10 000 years but may erupt again.

Extinct volcanoes aren't expected to erupt again.

Earthquakes are caused when the earth's tectonic plates suddenly move.

Most earthquakes occur near the tectonic plate boundaries.

Earthquakes can cause lots of damage to roads, buildings and property.

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.

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, 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.



Volcanoes, Mountains and Earthquakes

Term Three - Year 5 & 6

Key Skills

Locate

Tectonic Plates on the Earth's map.

Explain

How volcanoes erupt.

Research

The history of the mountains across the World.

Vocabulary

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.

Contour Lines

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