# Why are mountains so important?

## Important mountaineers I will empathise with



Andrew Irvine and George Mallory

1924

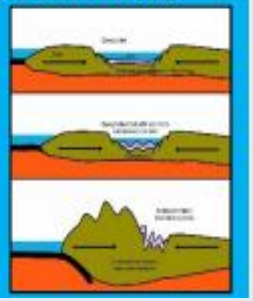


Edmund Hillary and Tenzing Norgay

1953

## Important physical processes I will understand better

Mountain building



## Important Vocabulary I will learn

| | |
|---|---|
| Landscape | everything that can be seen when looking at a particular place |
| Range | a group or line of mountains with a specific name |
| Tectonic plate | one of the large moving sections of the Earth's crust |
| Crust | the thin outermost layer of the Earth made of solid rock |
| Mantle | the very thick layer of rock that lies between the Earth's crust and central core |
| Core | the very hot centre of the Earth which is solid on the inside and liquid on the outside |
| Strata | layers of rock |
| Fossil | the shape of a living thing that has been preserved in rock |
| Growing season | the number of months in the year when the average temperature is 6'C or more |
| Sanitation | having a clean water supply and safe sewage disposal |
| Reservoir | a large artificial lake created to supply water to towns and cities |
| Valley | a saucer shaped hollow of land through which a river flows |
| Hydroelectric | using the force of falling water to generate electricity in a power station |
| Renewable | energy from a source such as wind that is never used up |
| Conservation | the protection of environments to prevent their loss or destruction |
| Agriculture | growing crops and rearing animals on farms |
| Pasture | land used on farms to grow grass for animals such as such as sheep to feed on |

## Ranges of mountains I will know more about



Himalayas



Cambrian

## Important maps I will refer to



Mountain ranges of the world



Relief map of the UK



Average annual precipitation map of the UK



Ordnance Survey map of the Elan Valley reservoirs

## Key objective

Understand how mountains are formed, their key physical and human features and the opportunities and constraints they offer for economic activity

## Important things I will know, understand and be able to do

What a mountain is and the names and location of the main ranges of fold mountains in the world

How ranges of fold mountains formed

The different layers of the Earth

The three main types of rock

Why there is so much mystery surrounding the attempt by Mallory and Irvine to climb Everest in 1924

Why Edmund Hillary and Tenzing Norgay found fossils of sea creatures on the summit of Everest in 1953

About the different types of fossils and how they form

The names and location of the main ranges of mountains in the United Kingdom

The physical and human features of the Cambrian mountains in Wales

The type of climate experienced in the Cambrian Mountains and how this compares with my locality

The reasons why the mountains of the UK are generally wetter and colder than most other areas

What a tourist is, the activities they enjoy and why the Cambrian mountains are popular with tourists

What a reservoir is and why many reservoirs have been built in the mountains of central Wales

What a renewable or sustainable source of energy is

How electricity is generated from the force of falling water in hydroelectric power stations