

Learning Organiser: What is the most valuable thing in the world and who owns it?

Key objective

Understand the importance of natural resources such as water and how they might be conserved and used more sustainably in the future.

Important things I will know and understand

What a natural resource is and why water is an example.

The difference between non-renewable and renewable natural resources.

The causes and effects of cholera.

Why Victorian cities regularly experienced cholera epidemics.

The purpose of a reservoir.

Why the Cambrian Mountains in Wales are a suitable location for reservoirs.

The physical and human features of the Cambrian Mountains.

How to identify and locate these features on Ordnance Survey maps.

How and why the Elan Valley in Mid-Wales has changed since 1908.

What virtual water consumption is.

The pattern of water consumption by countries around the world.

What water conservation is and how it might be achieved at home and at school.

Why water resources need to be consumed more sustainably.

Important geographical techniques I will use

Statistical representation	Interpreting tabular data and constructing bar graphs, line graphs, proportional divided bars, pictograms and histograms
Mapwork - Interpreting and annotating thematic distribution maps	Political, relief, rainfall distribution and choropleth maps, eight points of compass, distance measurement using scale, four and six figure grid references, OS 1:50000 maps.
Imagery	Terrestrial, aerial and satellite photographs and GIS Google Earth Pro
Fieldwork	Survey of water consumption – data collection, recording and presentation

Important locations I will study

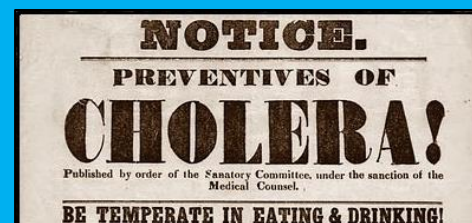


Victorian Birmingham



Cambrian Mountains, Wales

Important events I will understand



Birmingham cholera epidemic 1883

Important Concepts I will understand

Environment	the particular physical and human features which make places distinctive
Natural resources	things found in nature that are used by people
Scale	the size or extent of an area or place – local, regional, national, international and global
Processes	the natural events and human actions that bring about change in an environment
Distribution	the pattern of where physical and human features are located
Interdependence	how people and their environments are connected and rely upon each other
Conservation	the protection of environments to prevent their loss or destruction
Sustainability	improving the quality of life of people without having a negative impact on the environment
Interdependence	how people and their environments are connected and rely upon each other
Settlement	any place where people live such as a village or city
Development	the level of quality of life experienced by people living in different places
Virtual water	water that has already been used to manufacture clothes, food and consumer products

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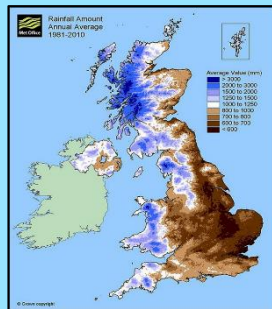
Important vocabulary I will learn

Renewable	energy from a source such as wind that is never used up (infinite)
Non-renewable	energy from a source such as oil which will eventually be used up (finite)
Disease	an illness or sickness with symptoms that prevent the body functioning
Epidemic	an infectious disease that spreads over a very wide area
Cholera	an infectious and often fatal disease spread by bacteria in contaminated water
Sanitation	having a clean water supply and safe way of disposing of sewage
Mountain	a landform higher than 600m that rises above the surrounding land
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
Precipitation	any kind of moisture that falls from the clouds e.g., rain, snow, dew
Pattern	how objects are arranged or laid out on the Earth's surface
Relief	the general height and shape of the land of a particular place
Impermeable	a rock that will neither absorb water nor allow water to pass through it
Consumption	the using up of a resource

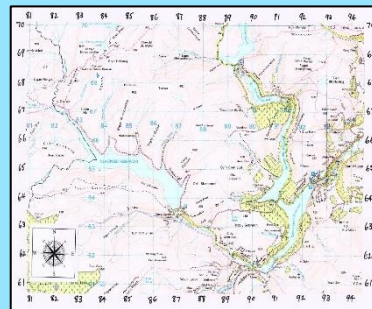
Important subject skills I will apply

Describing	giving an account of something.
Selecting	choosing the information most suitable and relevant.
Reasoning/ speculating	thinking and forming ideas about something without necessarily firm evidence to back it up.
Synthesising	bringing together a range of ideas and facts from different sources to develop an explanation.
Explaining	showing understanding of how or why something is the way it is.
Empathising	placing yourself in another's position to better understand their actions.

Important maps I will refer to



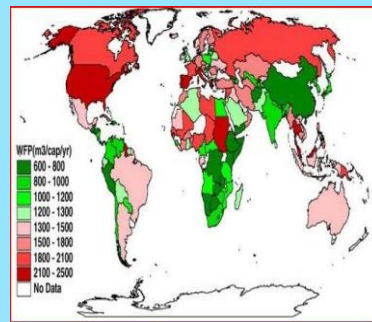
Average annual precipitation in the UK



O.S. 1: 50,000 Map of Elan Valley



Physical map of the UK



Water consumption by country

An NGO I will investigate



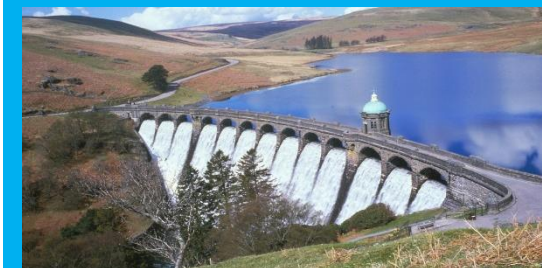
WaterAid

Important concept I will understand



Virtual water consumption

Important human processes I will learn about



Reservoir building