

Learning Organiser: How can we live more sustainably?

Key objective

Understand what sustainability means and some of the ways that sustainable development could be achieved in the future.

Important things I will know and understand

What a natural resource is.

The difference between renewable and non-renewable resources.

How electricity is generated.

The different sources of energy used to make electricity in the United Kingdom.

Why fossil fuels are no longer used to generate electricity in the United Kingdom.

How human created greenhouse gases contribute to global warming.

What sustainability and sustainable development mean.

How electricity is generated in a hydroelectric power station.

The benefits of using renewable sources of energy in poorer countries of the world.

How I could live in a more sustainable way both at home and at school.

Important geographical techniques I will use

Statistical representation	Interpreting tabular data and constructing bar graphs and line graphs.
Mapwork - Interpreting and annotating thematic distribution maps	Political, relief, population density, pictorial and distribution maps.
Imagery	Terrestrial, aerial and satellite photographs and GIS Google Earth Pro

Renewable sources of energy I will study



Solar



Wind



Hydro power

Non-renewable sources of energy I will study



Coal



Natural Gas



Oil

Important concepts I will understand more about

Environment	the particular physical and human features which make places distinctive
Interdependence	how people and their environments are connected and rely upon each other
Sustainability	improving our quality of life without having a negative impact on the environment
Interaction	the links or connections within and between different natural and human processes
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 around the world
Economic activity	making a product or providing something that others pay for
Transport	carry people or goods from one place to another by vehicle, aircraft or ship
Agriculture	growing crops and rearing animals on farms
Energy	the power needed to make something work

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Important vocabulary I will learn

Raw material	things found in nature that are used to make products people use
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)
Fossil fuel	energy sources made of carbon such as oil that are non-renewable
Biodiversity	the variety of plants and animals living in a particular place
Conservation	the protection of environments to prevent their loss or destruction
Global warming	the warming up of the Earth's atmosphere through the build-up of greenhouse gases such as carbon dioxide and methane
Deforestation	cutting down huge areas of woodland to use the land for other purposes
Ecosystem	the community of living things to be found in a particular area which depend upon each other
Habitat	the natural home of a living thing such as a plant or animal
Pollution	something added to the environment that is harmful to living things

Important subject skills I will apply

Describing	giving an account of something.
Selecting	choosing the most relevant information
Reasoning/ speculating	forming ideas about something without 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

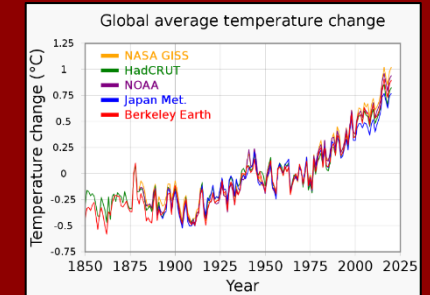
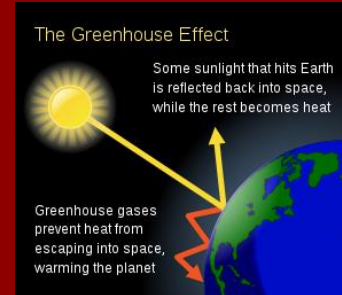
A country I will investigate: Nepal



Sustainable development in Nepal I will evaluate



Important processes I will understand



Global warming