



Key Knowledge

- Renewable energy can include wind power, solar power and hydro-power.
- Non-renewable energy can include oil, coal and gas.
- Prime Meridian is the imaginary line that divides Earth into two equal parts: the Eastern Hemisphere and the Western Hemisphere.
- I know how the USA generates energy
- I know how the UK generates energy
- I can give reasons why certain energy sources are better than others.
- I know where the best place is for solar panels in school.



Key Vocabulary

Renewable energy	Energy that does not reduce in quantity when it is used
Non-renewable energy	Energy that cannot be replenished and will eventually run out
Fossil fuel	A material formed from the remains of plants and animals over millions of years
Hydropower	Energy generated by the movement of water
Wind power	Energy generated by wind powering large turbines.
Geothermal energy	Energy generated by the heat from the Earth's core
Solar power	Energy generated by the sun and solar panels
Biofuel	Energy generated from plant or animal waste
Coal	A black rock found deep underground which is used as fuel
Crude Oil	A naturally occurring liquid made millions of years ago, found underground.
Nuclear power	Energy generated from radioactive materials that create heat.
Natural gas	A highly-flammable mixture of gases found deep underground.
Prime Meridian	The imaginary line that divides Earth into two equal parts: the Eastern Hemisphere and the Western Hemisphere

Key Skills

- I can use an atlas to locate countries in North America and Europe.
- I can identify human features on a digital map (e.g. Google Maps)
- I can locate UK cities on a map
- I can Use six-figure grid references to identify features on an OS map.
- I can plot points on a sketch map
- I can collect data for an investigation

Renewable Energy

Renewable energy is made from resources which nature can replace, it is more environmentally friendly as it does not pollute the air or water.

wind power solar power hydro-power

Fossil Fuels

Fossil fuels are natural resources that are made up of the remains of animals and plants that died millions of years ago. These include:

oil coal gas

These fuels can then be burned to create energy but once they are gone, they are gone. Burning these fuels can also create carbon dioxide which contributes to climate change.