

## Year 4 Geography Term: Spring

## Key Question: How can we live more sustainably?



#### **Key Facts** Our electricity mostly relies on oil, which is a fossil fuel. None of these are sustainable which means

they will run out eventually.

Sustainable power sources are increasing. These include solar power, wind power, hydroelectricity, tidal power and geothermal power.

By the year 2050, there is likely to be more plastic in the ocean than fish.

The world has improved how much rubbish we send to recycling but more needs to be done. Waste that cannot be recycled goes into landfill sites where it is buried.

Energy Sources	
Renewable	Non- renewable
	Tellewable
Solar power	Coal
Wind power	Oil
Tidal power	Gas
Geothermal	Nuclear
power	energy

# Quotation "It's surely our responsibility

to do everything within our power to create a planet that provides a home not just for us, but for all life on Earth.

David Attenborough.

Vocabulary Dozen		
Biodiversity	The number and types of plants and animals that exist in a particular area or	
	in the world generally, or the problem of protecting this.	
Conservation	Taking care of the environment and habitats.	
Energy	Power or heat from sources such as the sun, wind, petroleum, natural gas, or coal	
	that can be put to use by humans.	
Fossil Fuels	Fuels such as gas, coal and oil, that were formed underground from plant and	
	animal remains millions of year ago.	
Geothermal power	Takes heat from beneath the surface to generate energy.	
Greenhouse gases	A gas that causes the greenhouse effect, especially carbon dioxide	
Greenhouse effect	An increase in the amount of carbon dioxide and other gases in the atmosphere.	
Global warming	A gradual increase in world temperatures caused by the <b>Greenhouse effect</b> .	
Hydroelectricity / tidal	This uses dams or tidal waves to generate energy.	
power		
Natural resources	Assets from nature such as fresh water, mineral deposits, timber, wildlife, and park land.	
Sustainable	Being able to do something for ever without having a negative impact on the environment.	
Sustainable	Development that meets the needs of the present whilst still allowing future	
development	generations to meet their own needs.	

#### **Home Geographer**

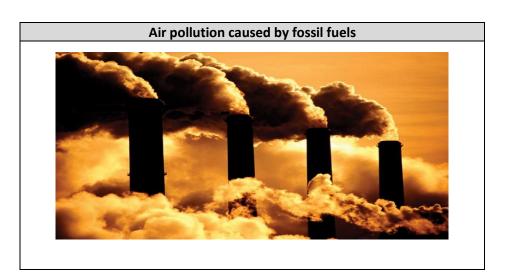
Go through the clips, information and quiz on BBC Bitesize to learn more about sustainability, plastics and recycling.



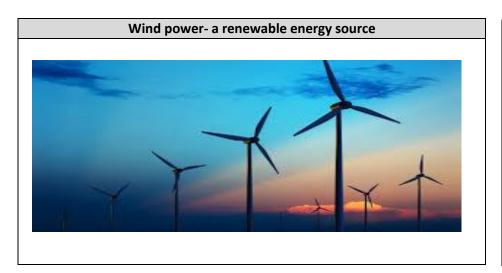
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#### How the UK generates its electricity 2015 and 2020 Source of electricity 2015 % 2020 % 31 Coal 20 Oil 18 11 Nuclear Renewables 18 30 Gas 31 29 Other sources