










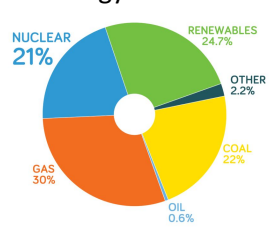






Spring Partnership Trust – Knowledge Organiser

Geography Focus	Energy and Sustainability	Year 6	Autumn
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What? (Key Knowledge)	
What is sustainability?	The idea that humans must interact with the environment in a way that ensures there will be enough resources left for future generations
What is energy?	It powers our homes, schools and businesses and makes trains go, cars run and planes fly.
How is energy generated?	Power can be generated through the burning of fossil fuels (oil, petrol, gas) or through renewable sources (wind, solar, tidal). Energy is vital to support a country's development.
Why would we need an energy mix?	If a country cannot get all its energy from the same source it gets it from more than one place.
What is a carbon footprint?	Different actions have different carbon footprints. Travelling by car uses much more fossil fuels than travelling by bike.
What is our impact on the planet?	Generating energy has an impact on the environment. We can minimise this by using renewable energy and making sustainable choices.

Prior knowledge
EYFS - Michael Recycle
Year 2 - Oceans and Seas (protecting oceans)
Year 3 - Water, Weather and Climate (climate change and sustainable use of water)
Year 4 - Rivers (hydropower and sustainable use of water)
Year 5 - Natural Resources (sustainable use of the natural resources)
Year 5 - Biomes (protecting our biomes)

What? (Key vocab)		
Spelling	Symbol	Definition
Environment		The natural world
Sustainable		An activity which does not use or harm natural resources
Fossil Fuels		A natural fuel, such as oil, coal and gas, which can be used up
Pollution		Substances which are harmful to the environment
Economy		How a country or place is doing in making goods and how much money it has
Natural resources		Something that is found in nature and can be used by people (light, air, water, plants, animals, soil, stone, minerals and fossil fuels)
Renewable energy		Energy sources that cannot be used up (wind, tidal, solar)
Nonrenewable energy		Energy sources that can be used up (coal, gas, fossil fuels)
Energy mix		using different types of resources to produce energy

Pictures and Diagrams	
<p>UK energy mix</p> 	<p>Curitiba bus network</p> 
<p>Types of energy</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center;"> solar energy</div> <div style="text-align: center;"> wind energy</div> <div style="text-align: center;"> hydroelectricity</div> <div style="text-align: center;"> coal plant</div> <div style="text-align: center;"> gas plant</div> </div>	<p>Sustainability initiative</p> 