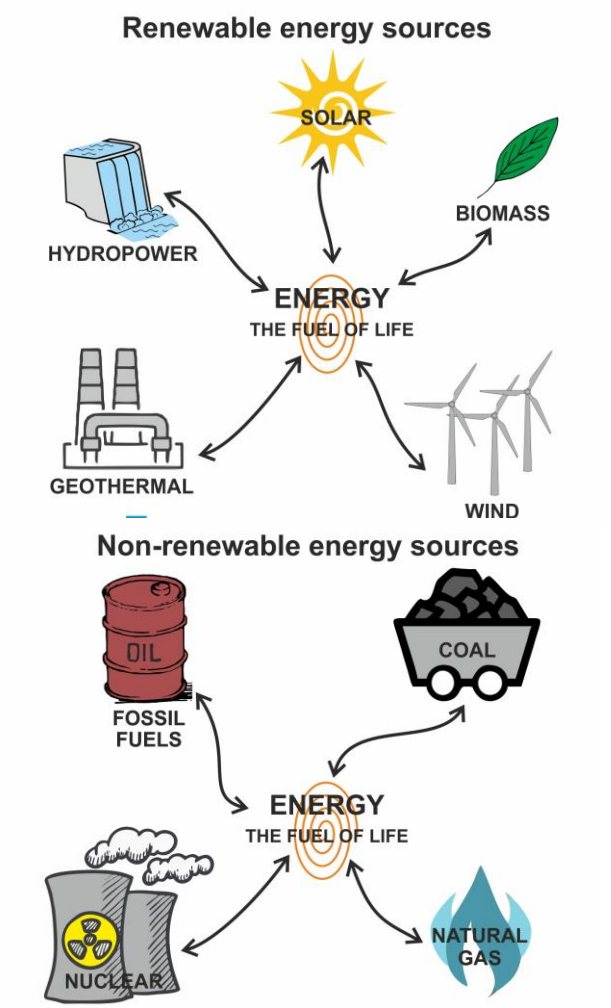
Humanities Knowledge Organiser
Year: 6 Term: 1
Energy – How do we power the world?

Prior knowledge/key knowledge

Year 5 prior knowledge	Describe and understand key aspects of the distribution of natural resources – trees and forests.



Vocabulary

biomass	Organic (natural) material that can be used as a fuel.
carbon emissions	Carbon emissions are the release of carbon into the air and atmosphere around us.
carbon footprint	A carbon footprint is a measure of the total amount of greenhouses gases that are released as a result of our actions.
climate change	Climate change is a large-scale and long-term change in the planet's climate, including weather patterns and average temperatures.
emissions	An emission is something that is released into the world.
fossil fuel	Fossil fuels are natural substances that were formed over millions of years from the buried remains of ancient organisms; they include coal, oil and gas.
generator	A device that converts power from motion or fuel into electric power.
greenhouse gases	These are gases in Earth's atmosphere that trap heat. Carbon dioxide and methane are both examples of greenhouse gases.
non-renewable energy	A source of energy that will eventually run out as it cannot be made as quickly as it is consumed, such as coal.
nuclear power	Nuclear energy from inside atoms can be used to generate huge amounts of electricity.
renewable energy	Renewable energy is created by resources that nature can replace, such as wind, water and sunlight.
turbine	An engine that can turn movement into energy.

Key skills/ investigative focus

Describe and understand key aspects of the distribution of natural resources - energy

Big Questions/ Challenging Perceptions

A sustainable world: does it matter how we live?

Who is responsible for the energy problem?

Every person on this planet has a **carbon footprint**.

This is a way of measuring the total amount of carbon dioxide and other greenhouse gases that are released as part of daily life.

It is also possible to calculate the **carbon footprint** of a product, a business or even a country.