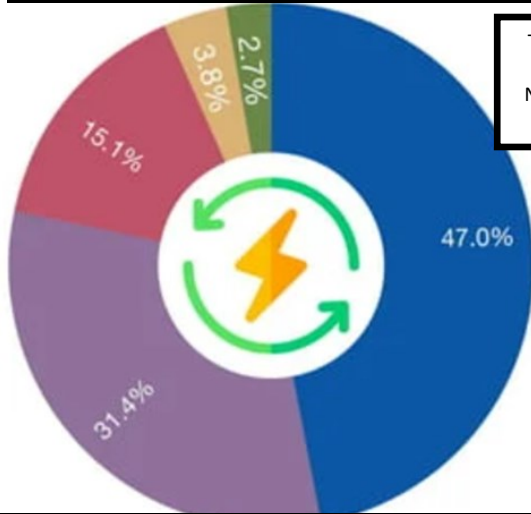
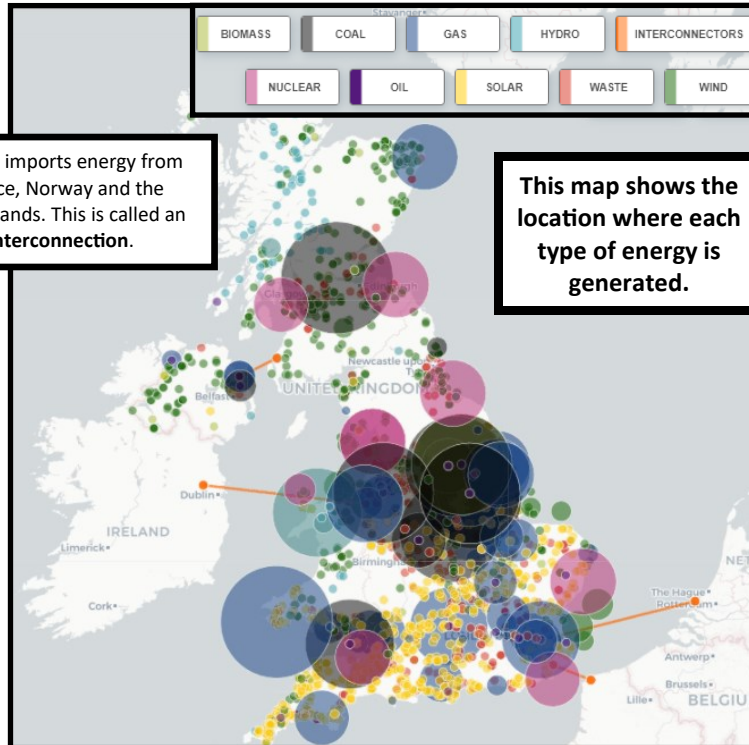


This pie chart shows all the energy generated in the UK during 2020.



2020 was a record breaking year! It was Britain's greenest year with 47% of its total energy generated from renewable sources.

The UK imports energy from France, Norway and the Netherlands. This is called an **interconnection**.



This map shows the location where each type of energy is generated.

Vocabulary you will know...



Global Warming	The Earth's rising surface temperature.
Climate Change	The side effects of the rising temperature.
Sustainable	Using resources that are good for people, the environment and the economy both in the present and the future.
Development	The process of growing or changing.
Sustainable Development	The ways in which a country improves to make sure everybody has the best life, including the poorest citizens.
Energy security	This is when a country is able to provide enough reliable and affordable energy to all its citizens without relying on other countries.

Vocabulary you will hear ...



Greenhouse Gases, Environment, Economy, Energy, Power, Fossil Fuels

Key Learning: Climate Change

CAUSE

One of the three main causes of climate change is:

Burning Fossil Fuels. This makes the Earth's climate warmer which can have devastating effects on our planet.

EFFECT

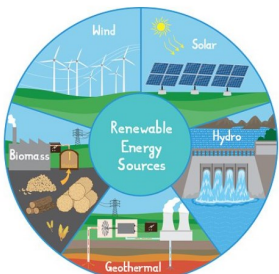
Global warming is heating the world up which is causing climate change. A warmer climate could affect our planet in a number of catastrophic ways:

- More rainfall
- Shrinking sea ice
- Rising sea levels
- Changing seasons

These effects cause flooding, coastal erosion and everlasting damage to our environment and the living things within it.

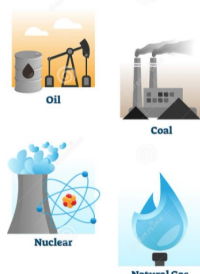
Renewable Energy

Sources of energy that will not run out because they are generated by a natural process.



Non-renewable Energy

Sources of energy that will run out. They take millions of years to form and humans are using them too fast.



Quiz Corner



1. What is damaging our world?
2. Name two types of renewable energy and how they are produced.
3. How does Lancashire produce its energy?
4. Why are countries trying to move away from non-renewable energy sources?
5. What are countries trying to achieve?