

# King Edwin Primary School

**Main Learning:** To understand how we energise ourselves in the UK

Year 4

Subject: Geography

## Key knowledge

To understand how we energise ourselves in the UK

To know how important electricity is for homes and industry

To know what is meant by nuclear and coal powered energy

To know why it is important to consider alternative energy sources

To know why solar energy is now more important than ever

To know what a wind turbine is and how it produces energy

## Vocabulary

**Nuclear energy**

The energy in the nucleus, or core, of an atom

**Renewable energy**

Energy made from resources that nature will replace, like wind, water and sunshine

**Solar energy**

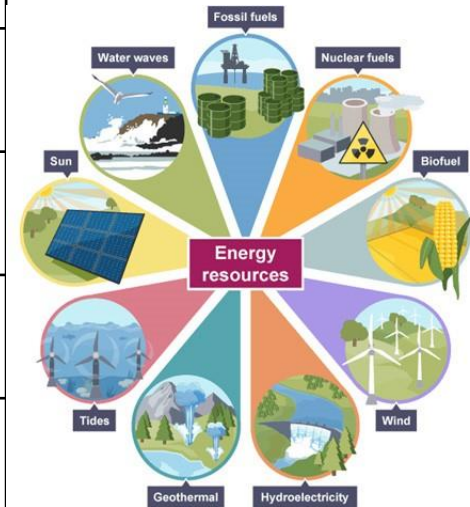
Energy from sunlight

**Power station**

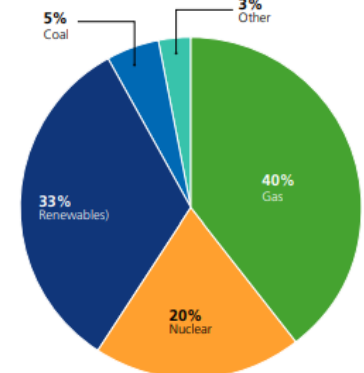
A power station (or power plant) is a place where electricity is produced

**Wind Power**

Tall towers topped with blades. The blades are connected to a vertical shaft, or rod. When wind causes the blades to spin, they turn the shaft. The turning shaft provides power to a machine called a generator, which produces electricity



1. The UK's energy mix in 2018



Geography



Prior Knowledge –