



Energy



Year 4

Knowing More, Remembering More

Remembering previous learning

What is electricity? Electricity is a way of moving energy to power appliances.

In this unit children will...

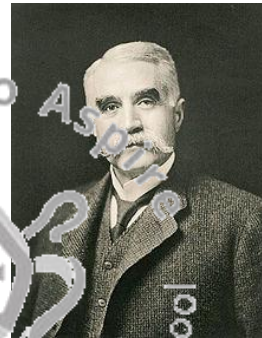
- Consider their energy usage and how it impacts the planet.
- Learn the different ways in which electricity is generated and the way it is used in their daily lives.
- Think about their daily routines and their use of electricity.
- Highlight changes that they could make on a weekly, monthly or annual basis.
- Consider devices that are battery -powered and mains-operated.

Working Scientifically:

4.8 Gather, record and classify data in a variety of ways to help in answering questions.

4.12 Use straight- forward scientific evidence to answer questions or to support their findings.

Key Scientists and Sustainability Champions:



Classic

Charles F Brush (1849-1929)

An American scientist who invented the wind turbine.

Key Learning Steps:

1. What is energy?
2. How can we reduce our energy usage?

Key Vocabulary:

- electricity
- mains electricity
- battery-powered
- renewable energy
- non-renewable energy
- appliance
- earth
- energy usage

Contemporary

Pope Francis

In his encyclical, Laudato Si, Pope Francis encourages us all to be better stewards of creation and take better care of our world.



Knowing More, Remembering More

Knowing more in Y4

What do we use electricity for? To power things, such as our homes and school.

How is electricity made? Electricity can be made from burning oil, coal and natural gas which is harmful for planet Earth.

How can we reduce our energy usage? By turning off lights and appliances, unplugging electronic equipment and using natural light as much as possible.