



Key question for the topic
 How important is electricity in our everyday life?

KEY VOCABULARY

Circuit- a complete route which an electric current can flow through
Current- a flow of electricity through a wire
Battery- a small device that provides power for electrical items
Cell- a device used to generate electricity. A battery is an example of a cell
Conductor- any material that electricity can pass through or along
Insulator- any material that electricity cannot pass through or along
Buzzer- an electrical device that makes a buzzing sound
Motor- a device that changes electrical energy into movement
Wire- a long thin piece of metal that carries an electrical current. It is often covered in plastic for safety
Voltage- an electrical force that makes the electricity move through a wire, measured in volts (V)
Socket- a device on a wall that you can plug electrical equipment into

Further Reading

Check out: <https://www.dkfindout.com/uk/science/electricity/> for lots more information on electricity

KEY FACTS

Electricity has been known about since the Ancient Greeks but it wasn't until the 16th century that a physicist, named William Gilbert, used the word 'electric.'

In 1752, Benjamin Franklin carried out an experiment with a thunderstorm in which he found out that lightning was actually electrically charged and could give people a shock.

Thomas Edison, in 1879, created the first long-lasting light bulb. Although it started with just one bulb, he soon managed to generate enough electricity to power a neighbourhood.

Since then, the use of electricity has become vital to our everyday life.

Circuit symbols

	lamp (indicator)
	lamp (lighting)
	wire
	motor
	buzzer
	open switch
	closed switch
	cell
	battery

You might like to...

Try to identify all of the things in your house that use electricity. Imagine you could only keep 5 in each room, what would you choose and why?

QUESTIONS TO DEEPEN YOUR LEARNING

Character	Critical Thinking	Creativity	Communication	Citizenship	Collaboration
Which parts of this do I need to understand?	Why do I need to know about this?	What am I curious about?	How could I present what I understand?	How could this information help people?	What can I learn from others about this?