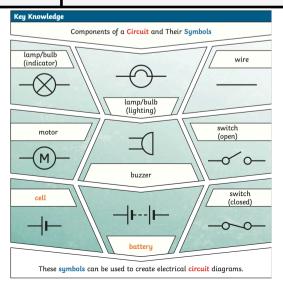
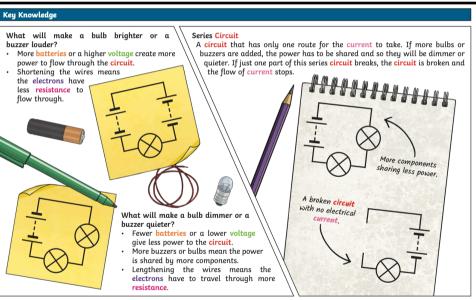
Science Year 6 Unit: Electricity

Vocabulary	
circuit	A path that an electrical current can flow around.
symbol	A visual picture that stands for something else.
cell/ battery	A device that stores chemical energy until it is needed.
current	The flow of electrons, measured in amps.
amps	How electric current is measured.
voltage	The force that makes the electric current move through the wires.
resistan ce	The difficulty that the electric current has when flowing around a circuit.
electron s	Very small particles that travel around an electrical circuit.

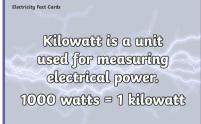


By the end of this Unit I will be able to ..

- explain how our understanding of electricity has changed over time;
- draw circuit diagrams using the correct symbols and label the voltage correctly;
- · decide which variables to control while planning an investigation;
- decide how to report their findings;
- · make new predictions based on the previous results.
- Select an appropriate scientific enquiry



Did you Know?....





It takes 6 billion, billion

electrons to power a

Electricity Fact

The watt is named after James Watt, who was a Scottish inventor.

He made improvements to the steam engine and used it to power machinery!

Prior Learning about Electricity

Identify common appliances that run on electricity.

Construct a simple series electrical circuit, identifying and naming its basic parts.

Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.

Recognise that a switch opens and closes a circuit (as above).

Recognise some common conductors and insulators, and investigate these.