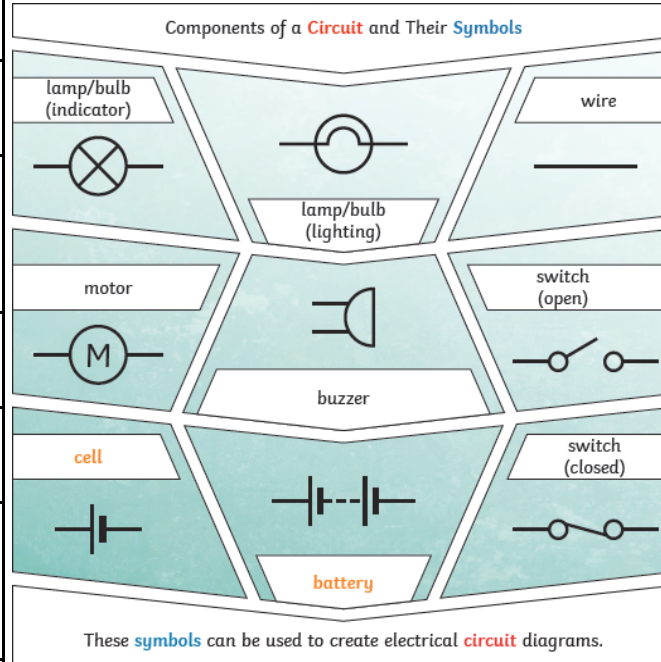




Key Vocabulary

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. A cell is a single unit. A battery is a collection of units.
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. The greater the voltage, the more current will flow.
Resistance	The difficulty that the electric current has when flowing around a circuit.
Electrons	Very small particles that travel around an electrical circuit.



Resources	Safety Cards
<ul style="list-style-type: none"> Wires, batteries, bulbs, motors Current meter 	Card 25 - Electricity Card 26 - Safety Card 27 - Batteries Card 28 - Circuits

<p>What key knowledge will I have by the end of this unit?</p> <ul style="list-style-type: none"> Current is how much electricity is flowing. The battery is a store of energy. The battery pushes the current. The higher the voltage of the battery the bigger the push. All materials resist the flow of current. Some materials are bigger resistors than others. When current flows through wires heat is produced. Use recognised symbols to represent a simple circuit.
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<p>What key skills will I have by the end of this unit?</p> <ul style="list-style-type: none"> Safety in science Assessing risks while working with electricity Scientific models - circuit diagrams Questioning - Which circuits will / will not work and why? Recording our own circuit diagrams

In KS1:	In Year 3:	In Year 4:	In Year 5:	In Year 6
<ul style="list-style-type: none"> Creating circuits as part of Science day 		<ul style="list-style-type: none"> Construct simple circuits Identify whether a lamp will work or not Investigate conductors and insulators 		