



### Main Aims

- Identify things that run on electricity
- Construct a simple series electrical circuit, naming basic parts
- Identify if a circuit is complete
- Recognise that a switch opens and closes a circuit
- Recognise some common conductors and insulators, and associate metals with being good

### Key Vocabulary

Mains electricity - Items that use power from a plug run on mains electricity.

Battery - Items that are not powered from a plug need a cell or battery.

Circuit - A complete circuit is series of items that conduct electricity when there are no gaps between them.

Bulb - An item that produces light when an electric current passes through its filament.

Wire - An item that allows the flow of electricity, usually made from copper.

Crocodile clip - A clip the allows items such as bulbs to easily be attached to a wire.

Buzzer - An item that produces a buzzing sound when part of an electrical circuit.

Switch - Part of a circuit that can be closed to complete a circuit, allowing the flow of electricity. Opening the switch will cause the electric current to stop.

Insulator - A material that will not allow electricity to pass through it. E.g. plastic

Conductor - A material that will allow electricity to pass through it. E.g. metal

Circuit diagram - A scientific drawing of a circuit using set symbols for each item in a circuit.