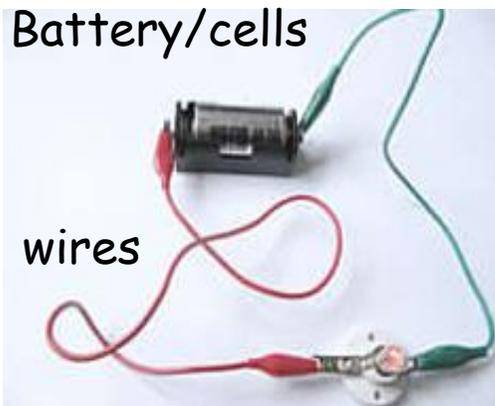


Year 4 - Electricity

What should I already know?

- Electricity is used to power devices and appliances like TVs and fridges.
- Electricity runs through wires.
- Some devices and appliances require batteries to work.
- Batteries provide power needed for devices to work.

Simple circuit



bulb

Key Vocabulary

appliance	An Appliance is a device, piece of equipment or an instrument designed to perform a task.
electricity	A type of energy. It can be used to power electrical appliances. It is caused by electrons moving around to make a current.
battery	Two or more cells joined together in a line that provide a source of power for devices.
cells	Store electricity in batteries.
circuit	Electrical parts all joined together to form a loop that allows electricity to flow around.
buzzer	A device that makes a sound (buzzing noise).
conductor	A type of material that allows electricity to pass through.
fuse	A safety device that can stop an electric current from flowing if it becomes overloaded.
wires	Long, thin strands of metal that conduct electricity (allow electricity to flow through them).
insulator	A type of material that does not allow electricity to pass through.
switch	Opens or closes a circuit. When a switch is open the circuit will not work but when it is closed the circuit is complete and will work - light up a bulb or make a buzzer work.

Facts about electricity

- Electricity can only flow through conductors.
- Metals are good conductors.
- Materials like plastic and wood are good insulators.
- Circuits can only be completed if all the parts are connected correctly.
- Not all circuits need a switch.