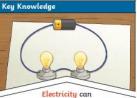
End points

• To construct a simple series circuit and be able to name its basic parts.

Facts



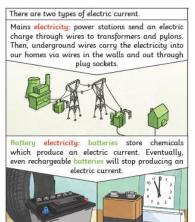
only flow around a complete circuit that has no gaps. There must be wires connected to both the positive and negative end of the power supply/battery. Switches can be used to open or close a circuit. When off, a switch 'breaks' the circuit to stop the flow of electricity. When on, a switch 'completes' the circuit and allows the electricity to flow.



A conductor of electricity is a material that will allow electricity to flow through it. Metals are good conductors. Materials that are electrical insulators do not allow electricity to flow through them. Wood, plastic and glass are good insulators







Working Scientifically Skills

- I can suggest improvements and raise further questions.
- I can ask my own questions.
- I can use different ways to answer them.
- I can set up my own simple tests.
- I can make careful observations.
- I can use different equipment to measure accurately in standard units.
- I can gather, record, classify and present data in different ways including drawings, labelled diagrams, keys, bar charts and tables.
- I can explain what I have found out using speaking and writing.
- I can draw simple conclusions and make predictions for new values.
- I can use relevant scientific language.

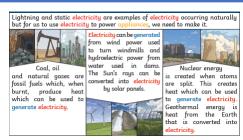


Electricity

Key questions

- How is electricity generated?
- Which appliances run on electricity?
- What are the parts of a circuit called?
- Which materials are conductors or insulators?
- What is a scientist?
- What is science?

Appliances	A piece of equipment or a device
	designed to perform a particular
	job.
Electrical circuit	A pathway that electricity can flow
	around. It includes wires and a
	power supply and may include
	bulbs, switches or buzzers.
Battery/ Cell	A device that stores electrical
	energy as a chemical.
Wire	A long, thin and flexible piece of
	metal.
Bulb	A device made of rounded glass
	used to create electric light.
Buzzer	An electric signalling device that
	makes a buzzing sound.
Danger	A chance or likelihood that
	something bad or harmful may
	happen
Metal	Minerals like iron or lead that are
	found underground in rocks.
	A chemical element that does not
Non-metal	
Water	have the properties of a metal.
	The liquid that comes from the
	clouds as rain and forms streams,
	lakes, and seas.
Open	To change or move from a shut
	condition
Closed	Shut
Component	A part of something.
Connect/ connections	To join together.
Loose connection	An imperfect electrical connection
Short circuit	A problem in an electrical circuit
	where two or more wires that are
	not supposed to come in contact
	with each other touch.
Crocodile clip	Toothed clips on the ends of
Crocodile clip	
Crocodile clip	electric wires.
Crocodile clip Symbol	electric wires. A drawing, shape, or object that



Facts

