

Year 4 Science : Electricity

Prior Learning

- I can explore the natural world around them, making observations and drawing pictures what I see.
- I understand some important processes and changes in the natural world around me.

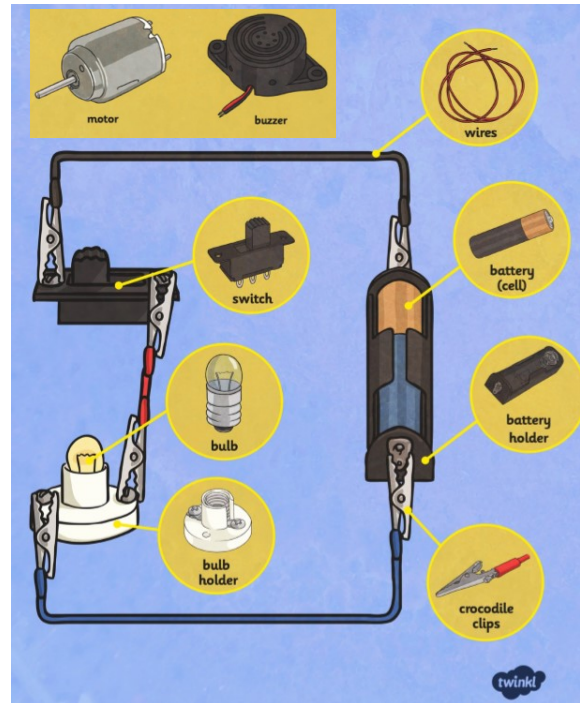
Sticky Knowledge

- I can name some appliances that run on electricity.
- I can make a simple series electrical circuit and name the parts I have used, including cells, wires, bulbs, switches and buzzers.
- I can work out whether a simple series circuit will work or not by looking at the parts and how it is put together.
- I can recognise some common conductors and insulators, and know that most metals are good conductors.

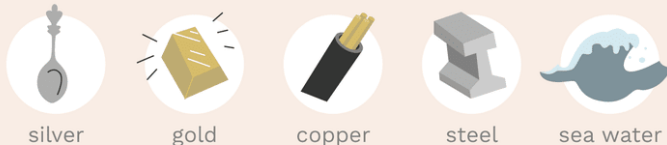
Vocabulary

Battery	A power source, where you can get electrical energy, where electrical energy can be stored
Bulb	A glass bulb which provides light by passing an electrical current through a filament.
Buzzer	A device that makes a buzzing noise when electricity passes through it.
Cell	A device containing electrodes that is used for generating current.
Circuit	A complete and closed path around which a circulating electric current can flow.
Complete Circuit	When a circuit is all joined up and has no breaks so electricity can flow.
Conductor	A material that can carry heat or electricity through it.
Current	The flow of electricity.
Electricity	Energy created by the movement of charged particles.
Filament	A wire or thread that forms part of an electric bulb. The flow of electricity through it causes it to glow.
Insulator	A material that does not carry heat or electricity through it.
Motor	A machine powered by electricity that can be attached to a vehicle to make it move.
Series Circuit	A circuit where there is only one route for electricity to flow.
Switch	A device for making and breaking the connection in an electric circuit.

Electrical Appliances



5 Electrical Conductors



5 Electrical Insulators

