



Year 4 Science - Summer Term 1: Electrical Circuits & Conductors



1. Electricity is the flow of tiny particles called electrons and protons. It can come from the mains or from a battery, in nature it can come from lightning.



mains electricity

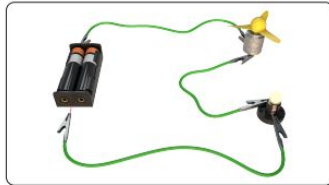


cell



battery

3. A series circuit has a single path for an electric current to flow through.

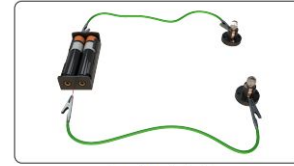


complete series circuit



2. Electrical components include cells, wires, lamps, motors, switches and buzzers.

How do you build a working circuit?



incomplete series circuit

4. A series circuit must be a complete loop to work and have a source of power from a battery or cell.

5. Electrical conductors allow electricity to flow through them, whereas insulators do not.

6. Scientific enquiries can be set up and carried out by following or planning a method.

Battery	Bulb	Cell	Component	Conductor	Current
Electricity	Insulator	Motor	Series Circuit	Switch	Wire