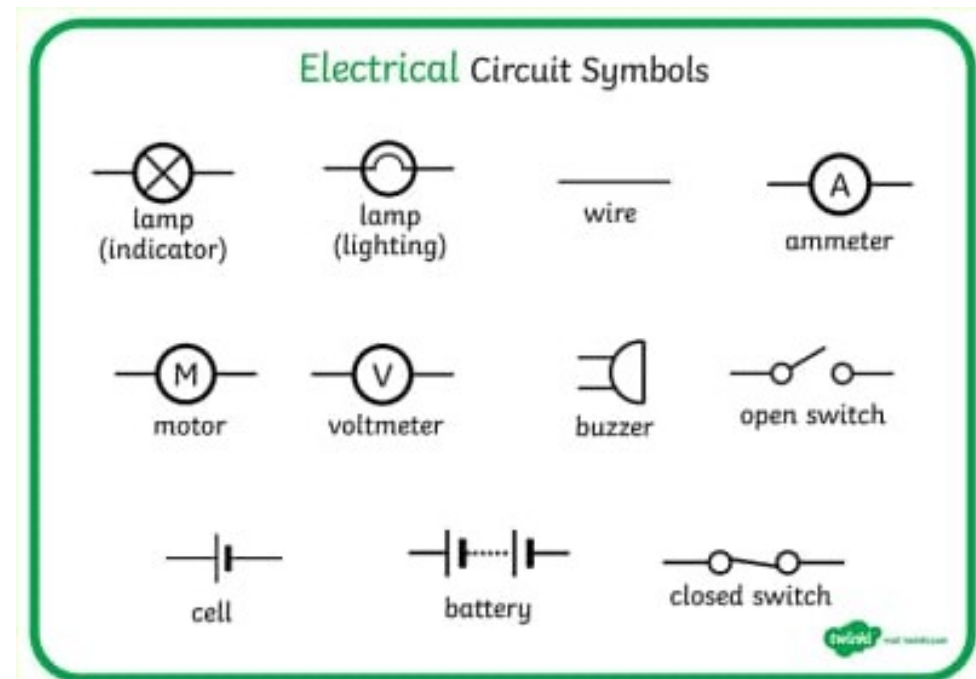


Year 6 Science – Electricity



Electricity is used to power many different devices in our homes. Electricity gives us heat, light, sound and pictures.

Key Vocabulary	
circuit	A path that an electrical current can flow around.
symbol	A visual picture that stands for something else.
cell/battery	A device that stores energy as a chemical until it is needed. A cell is a single unit. A battery is a collection of cells .
current	The flow of electrons , measured in amps .
amps	How electric current is measured.
voltage	The force that makes the electric current move through the wires. The greater the voltage , the more current will flow.
resistance	The difficulty that the electric current has when flowing around a circuit .
electrons	Very small particles that travel around an electrical circuit .



Key Knowledge

- A series **circuit** only has one route for the **current** to take. If more bulbs or buzzers are added, the power has to be shared and so they will be dimmer or quieter.
- If the **circuit** is broken, the flow of **current** stops and the bulb or buzzer will not work.
- More **batteries** or a higher **voltage** create more power to flow through the **circuit**.
- Fewer **batteries** or a lower **voltage** give less power to the **circuit**.