Physics

Science: Electricity

Year 6

Key vocabulary

component	part of an electrical circuit e.g bulb, switch, cell.
cells	a device used to store electricity
circuit	a path that an electrical circuit can travel around
complete circuit	wires must be connected to both ends of the power supply there are no breaks in the circuit
voltage	the 'pressure' which pushes electricity
current	the flow of electricity

We are building our knowledge from **Electricity (Year 4)**

Key knowledge

- Adding more **cells** to a **complete circuit** will make a bulb brighter, a motor spin faster or a buzzer make a louder sound.
- If you use a battery with a higher **voltage**, this will make a bulb brighter, a motor spin faster or a buzzer make a louder sound. .
- Adding more bulbs to a circuit will make each bulb less bright.
- Using more motors or buzzers, each motor will spin more slowly and each buzzer will be quieter.
- Turning a switch off (open) breaks a circuit so the circuit is not complete and electricity cannot flow. Any bulbs, motors or buzzers will then turn off as well.