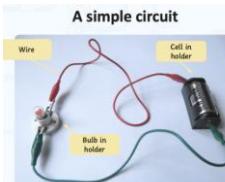


Prior Knowledge

- Explore how things work

Key Knowledge

- Identify common household appliances that run on electricity – saying which plug into the mains and which run on batteries
- Identify and name items required to make an electrical circuit e.g. battery/cell, wires, buzzer, motor, bulb etc.
- A **circuit** has a battery or cell connected to a component (bulb/motor/buzzer) using wires
- Know what happens to the component when the circuit is broken
- A switch can be added to a circuit to turn the component (buzzer/bulb/motor) on or off
- Some materials allow electricity to pass through them easily – they are known as electrical conductors
- Many metals are electrical conductors
- Water also conducts electricity
- Some materials do not allow electricity to pass through them – they are known as insulators



Why is electricity do important to modern day living?

Discover

Reform

Influence

Strength

Wealth



Key Vocabulary

electricity	A form of energy used for lighting, heating, making sound and making machines work		
electrical appliance	A machine or device that runs on electricity		
mains	The electricity supplied to households from power stations		
electrical circuit	This consists of a battery / cell connected to a component using wires. It needs to be a complete circuit to work.		
cell / battery	A source of electrical energy		
electrical component	A part that combines with others to form a circuit e.g. bulb, buzzer, motor...		
bulb	motor	buzzer	switch
conductor	Material that allows electricity to pass through		
insulator	Material that does not allow electricity to pass through it		