

Unit Overview – Electricity

You will learn about:

- Static charge.
- Voltage, current and resistance in electric circuits.
- Series and parallel circuits.
- How to wire a plug

Skill focus:

- Interpreting circuit diagrams



Key learning points		Key Words
Describe static charge in terms of movement of electrons		Static electricity
Describe electrical safety and wiring in plugs		Field
Describe what current and potential difference are		Positive
Explain what resistance is		Negative
State the difference between series and parallel circuits		Attract
Construct simple series and parallel circuits		Repel
		Electron
		Conductor
		Insulator
		Current
		Ammeter
		Ampere (A)
		Voltage
		Volt (V)
		Voltmeter
		Potential difference
		Resistance
		Ohm (Ω)
		Series
		Parallel

Links to other subjects:

STEAM

- Building circuits for a purpose.

SMSC

- Life skill: wiring a plug.
- Staying safe around electricity.

Numeracy

- Using symbols to represent physical objects.
- Identifying trend and patterns.
- Use formulae to perform calculations.
- Using positive and negative values.

Literacy

- Construct descriptions and explanations.
- Identify advantages and disadvantages of two different solutions.
- Identify and describe evidence.