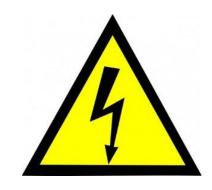
Unit Overview – Electricity

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	
Describe static charge in terms of movement of electrons	
Describe electrical safety and wiring in plugs	
Describe what current and potential difference are	
Explain what resistance is	
State the difference between series and parallel circuits	
Construct simple series and parallel circuits	

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.

Key Words

Static electricity

Field

Positive

Negative

Attract

Repel

Electron

Conductor

Insulator

Current

Ammeter

Ampere (A)

Voltage

Volt (V)

Voltmeter

Potential difference

Resistance

Ohm (Ω)

Series

Parallel