

## Science



Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers'

## **Key Vocabulary**

**Circuit component**- An electronic circuit is composed of individual components which are electronic such as resistors, transistors, capacitors and the inductors

Configuration-an arrangement of parts or elements in a particular form, figure, or combination.

Current-a flow of electricity which results from the ordered <u>directional</u> movement of <u>electrically</u> charged particles DIY-the activity of decorating, building, and making repairs at home by <u>oneself</u> rather than <u>employing</u> a professional Investigate-carry out research or study into something Motor- a machine, especially one powered by electricity or internal <u>combustion</u>, that supplies <u>motive</u> power for a vehicle or object.

## Key knowledge

- ✓ To know that, in a series circuit, electricity only flows in one direction.
- ✓ To know when there is a break in a series circuit, all components turn off.
- ✓ To know that an electric motor converts electrical energy into rotational movement, causing the motor's axle to spin.
- ✓ To know a motorised product is one which uses a motor to function.