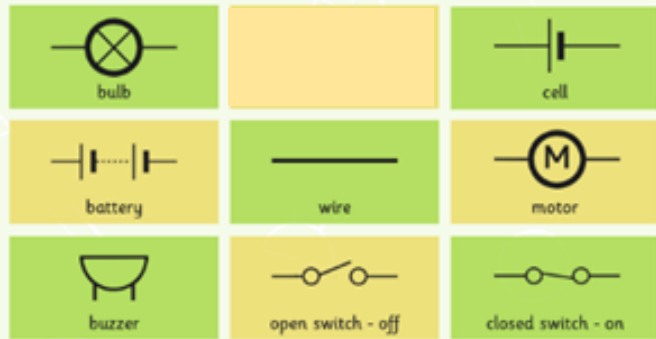
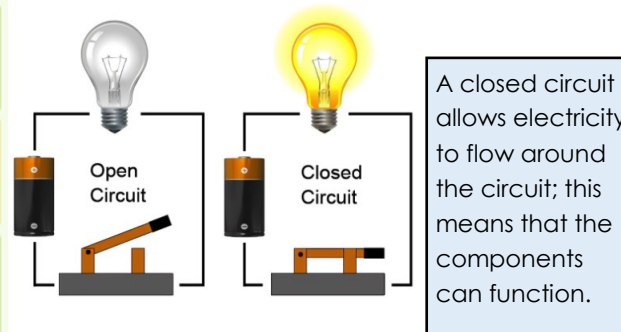


Year 5/6 Science Knowledge Organiser: Electricity

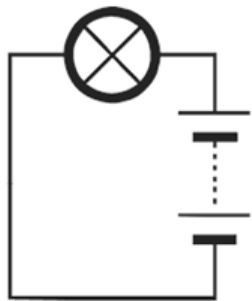
EQ: How are electrical components represented in diagrams?



EQ: What happens when a circuit is open?



EQ: How do you interpret and draw circuit diagrams?



- Circuit diagrams are used to represent circuits in a simple way.
- They are rectangular-shaped.
- Symbols are used for each component.
- Wires are drawn with straight lines using a ruler.

EQ: What difference does the number of volts make in a circuit?

- Voltage is the force that makes an electrical current flow.
- It is measured in volts.
- An increase in volts increases the flow of electricity in a circuit.
- This affects the functioning of components in a circuit.

INVESTIGATION: How does an increase in voltage affect the components?

Circuit		A complete path that electricity can flow through.
Electrical Symbol		A symbol used to represent an electrical component.
Circuit Diagram		A visual representation of an electrical circuit.
Cell		A single electrical energy source.
Battery		A device containing more than one cell.
Switch		An electrical component which can break an electrical circuit.
Voltage		Voltage is the force that makes an electrical current flow.

INVESTIGATION

EQ: How can we investigate the impact of making changes to a circuit?