



St Paul's C of E Primary School – Knowledge Organiser

Name of Topic Electricity

Year Group

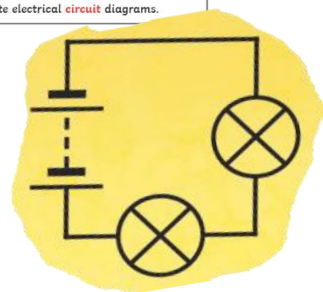
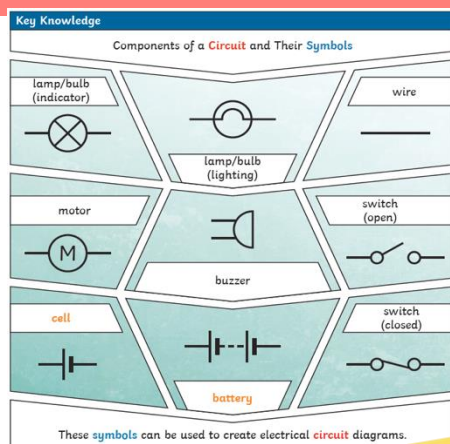
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Key Vocabulary and Spellings

1	Series circuit	A complete and closed path around which a circulating electric current can flow.
2	component	Any part of an electrical circuit e.g. wires, buzzer, motor
3	symbol	A simple picture used to represent something.
4	battery	A container consisting of one or more cells where chemical energy is converted into electricity and used as a source of power.
5	conductor	A material or device which allows heat or electricity to carry through.
6	insulator	A material or device which does not allow heat or electricity to carry through.
7	resistance	The difficulty that the electric current has when flowing around a circuit
8	Voltage	An electrical force that makes electricity move through a wire, measured in volts. The greater the voltage, the more current will flow.
9	current	A flow of electricity which results from the ordered directional movement of electrically charged particles.
10	appliance	A device that uses electricity to function.

Top 5 Topic Facts

1	Electricity is a flow of electrons through a conducting material, flowing from negative to positive.
2	Electricity is made in power plants using coal, wind, water, natural gas etc.
3	A battery is a cell or group of cells that creates an electric current.
4	As you add components to a circuit, the electricity is shared out.
5	Electricity is dangerous, particularly around water as water is a good conductor.



Key Investigations/Questions

1	What will make a bulb brighter or a buzzer louder?
2	How do components function within a circuit?
3	How are symbols used to represent components in a circuit diagram?