## Year 6:

## Electricity

## Key Learning

more power to flow through the circuit.

Battery

Symbols for different components in a circuit:

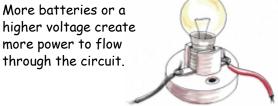
By changing the components in a circuit we can





More batteries or a







Wire





The brightness of a bulb (brighter or dimmer)

Wir

The volume of a buzzer (louder or quieter)



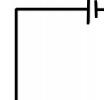




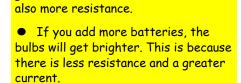


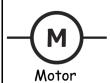






• If you make the wires longer, the bulb will get dimmer. This is because there is more resistance. If you add more bulbs, the bulbs get dimmer. This is because there is



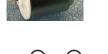


Open switch

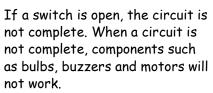
Buzzer







Closed switch



Bulb



The hazard symbol warns of high voltage. You should not touch anything with this symbol on.

Key Vocabulary	
current	A flow of electrons in a circuit
electrons	Very small particles that travel around an electric circuit and carry energy.
voltage	The force of an electrical current that makes electricity move through a wire.
battery	A container or one or more cells that is used to generate a current.
switch	A device used for making and breaking the connection in an electrical circuit.
filament	A conducting wire or thread with a high melting point which forms part of an electrical bulb.
static electricity	A stationary electric charge, typically produced by friction, which causes sparks, crackling or the attraction of dust.
resistance	A measure of the difficulty of passing an electric current through a conductor. The more resistance in a circuit, the less electricity will flow through.