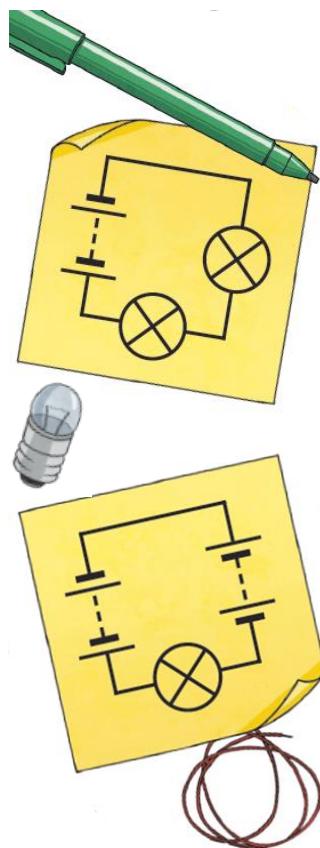
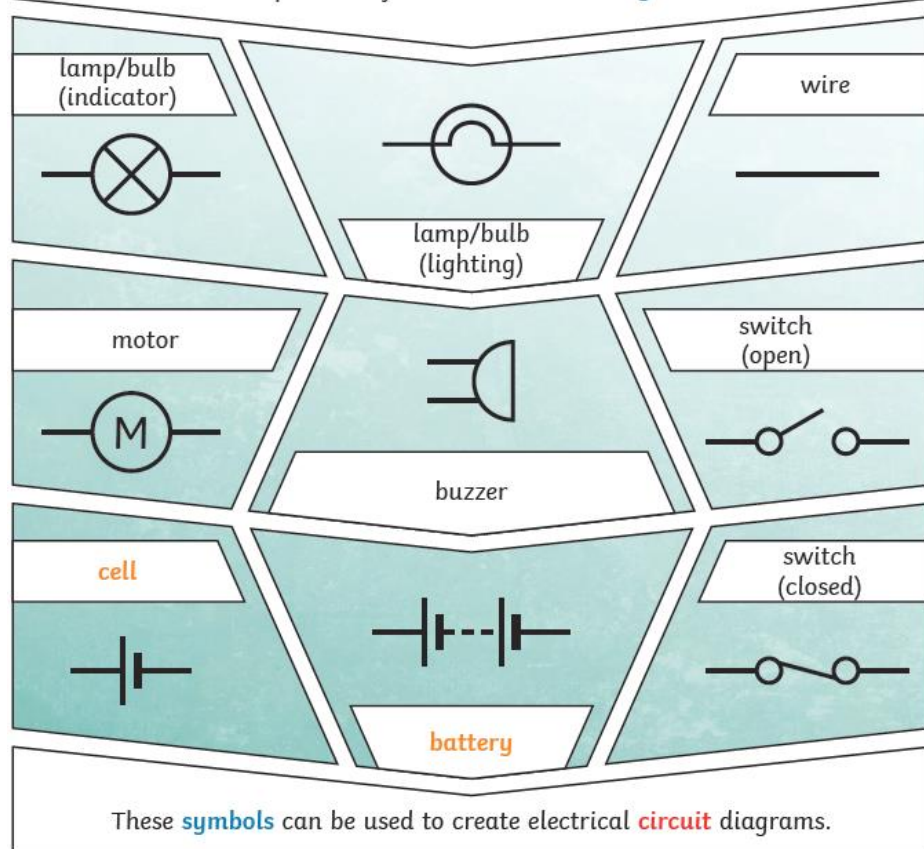


year 6 – Electricity

Key Facts

Components of a **Circuit** and Their **Symbols**



Key Vocabulary

amps	How electric current is measured
Battery/cell	A device that stores chemical energy until it is needed. A cell is a single unit. A battery is a collection of cells.
circuit	A pathway that electricity can flow around, It includes wires and a power supply and may include bulbs, switches or buzzers.
circuit diagram	Electrical components shown in a picture by using standard symbols.
current	The flow of electrons, measured in amps
electricity	The flow of an electric current through a material, e.g. from a power source through wires to an appliance.
electrons	very small particles that travel around an electrical circuit
summer	The weather gets hotter. The daytime is long and the nights are short. Summer has the longest days. Trees are full of leaves and there are flowers, butterflies and bees.
parallel circuit	A circuit with two or more pathways for the current to flow through.
resistance	A measure of how much an object opposes the flow of electrons.
switch	A toggle which is changed by someone as way of controlling an electrical circuit or system. It disconnects or connects the flow of electricity through a circuit.
symbol	A visual picture that represents something
voltage	The force that makes the electric current move through the wires. The greater the voltage the more the current will flow

Series Circuit.

A circuit that has only one route for the current to take. If more bulbs or buzzers are added, the power has to be shared and so they will be dimmer or quieter. If just one part of this series circuit breaks, the circuit is broken and the flow of current will stop.