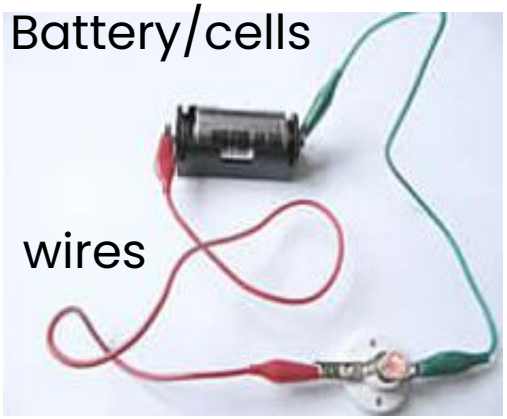
Year 4 - Electricity

What should I already know?

- To name a variety of everyday materials.
- Compare and describe some simple properties of a variety of everyday materials.
- Some devices and appliances require batteries or electricity to work.

Simple circuit



Key Vocabulary

appliance	electrical devices used for a particular purpose, e.g. fridge, oven
electricity	A type of energy. It can be used to power electrical appliances. It is caused by electrons moving around to make a current.
battery	**Two or more** cells joined together in a line that provide a source of power for devices.
cells	A portable store of energy.
circuit	A closed path that energy can flow through.
buzzer	A device that makes a sound (buzzing noise).
conductor	A type of material that allows energy to pass through.
metal	A material that can be hard, shiny and allow electricity to flow through it.
wires	Long, thin strands of metal that conduct electricity (allow electricity to flow through them).
insulator	A material that does not allow energy to flow through it.
switch	A device that opens and closes an electrical circuit.

Facts about electricity

- Electricity can only flow through conductors.
- Metals are good conductors.
- Materials like plastic and wood are good insulators.
- Circuits can only be completed if all the parts are connected correctly.
- Not all circuits need a switch.