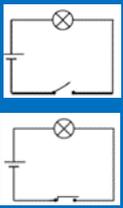


# Science

Please help your child with their learning by going through this fact sheet with them. They will be quizzed on this at the end of half term. We appreciate your support.



This shows an open circuit.

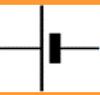
This shows a closed circuit.

An insulator does not allow electricity to flow.

Electricity flowing through a wire is called a current.

Plugging too many items into a socket and appliances with bare wires are dangerous.

Wind mills and wind turbines do not need electricity.



This symbol represents a cell/battery.



This symbol represents a lamp/bulb.

Something that allows electricity to flow through it, is called a conductor.

Thomas Edison invented the light bulb.

Plastic is a well-known insulator.



## WEMBITES

### Key Vocabulary

- ⇒ **Switch** - A switch allows an electrical device to be turned on and off.
- ⇒ **Circuit** - A circuit is a complete path around which electricity can flow.
- ⇒ **Battery** - A device that provides power for electrical items.
- ⇒ **Cell** - A battery is an example of a cell. It provides electricity.
- ⇒ **Wire** - A long thin piece of metal which carries the electrical current. It is often covered in plastic for safety.