



# Science Knowledge Organiser

## Electricity

## Physics



### What should I know already

- Electricity is a form of energy that can be carried by wires and is used for heating and lighting, and to provide power for devices.
- Sources of light and sound may need electricity to work.



### Vocabulary

Bulb	Gives out light when electricity passes through it.
Switch	Small control for an electrical device
Buzzer	An electrical device that is used to make a buzzing sound
Cell/Battery	Small device that provides the power for smaller electrical items.
Conductor	A substance that heat or electricity can pass through
Insulator	A substance that heat or electricity cannot pass through
Circuit	A complete loop that an electrical current can pass around.
Generate	Cause something to begin or develop.

### By the end of the unit, I will know:

1. That there are two types of electric current – mains electricity and batteries.
2. That another name for a battery is a cell.
3. A circuit is a complete loop that an electrical current can pass around.
4. That metals conduct electricity.
5. That plastic, paper and wood do not conduct electricity.

