

# Science Knowledge Organiser

This is physics.
Physics is the study
of the relationship
of objects, forces,
and energy.

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## Key Vocabulary

- mains electricity
- switch
- motor
- electricity
- bulb
- circuit

A conductor of electricity is a material that will allow electricity to flow through it. Metals are good conductors. Materials that are electrical insulators do not allow electricity to flow through them. Wood, plastic and glass are good insulators.

## Electricity

Scientist



Nikola Tesla

#### Prior Knowledge

I know about similarities and differences in relation to places, object materials and living things.

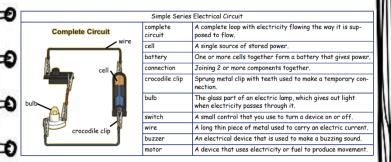
I can talk about the features of their own environment.

### Key Knowledge

Electricity is a type of energy.

- It is used to power lots of different things, including many items that we use in everyday life.
- Electricity can be created in a number of different ways. For example: burning fossil fuels, solar power, wind power and water power.

Many everyday appliances rely on electricity for them to work. Some appliances use mains electricity (are plugged into a socket) and others have a battery to make them work.



Conductors

Silver Gold

d Copper

Steel

Sea Water

Rubber

Glass

Oil

Diamond

Dry Wood

Insulators