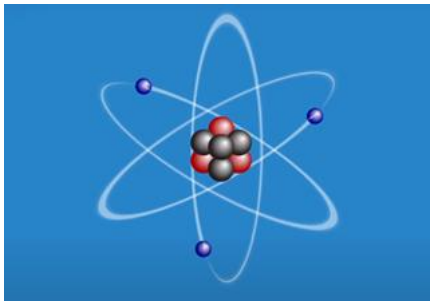
Lacock Primary School – Year 4/5/6 – Electricity

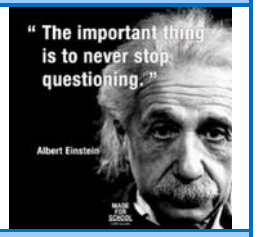
Important Vocabulary

Static electricity	*the result of an imbalance between negative and positive charges in an object*
electricity	*Electrical energy caused by electrons (the particles in atoms) moving to make a current.*
voltage	Voltage is "pressure" that pushes electricity. Voltage is indicated by volt (V), higher voltages cause more electricity to flow.
current	When electrons move through a conductor and carry electrical energy from one place to another.
circuit	A complete path around which electricity can flow.
LED	Light-emitting diode

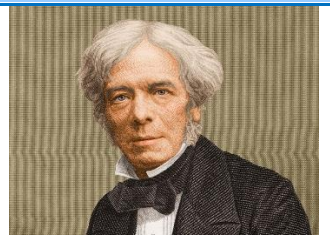


Key Skills

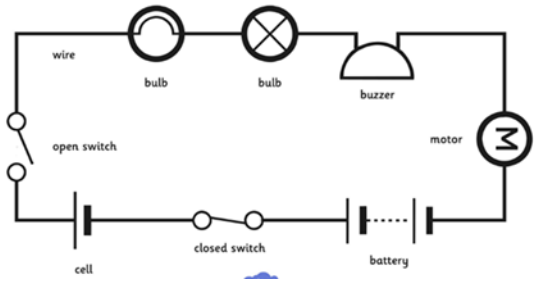
Curiosity
Observing
Questioning
Planning enquiries
Reporting findings
Creating conclusions



What did **Michael Faraday** discover?



Circuit Symbols



Key Knowledge/Facts

- What is electricity?
- Which scientists were involved in the discovery of electricity and how we use it today?
- How do we scientifically record electrical circuits?
- What is the difference between voltage and current?
- How can voltage effect the brightness of a lamp or loudness of a buzzer in a circuit?
- What dangers associated with electricity, might we face inside and outside our home?

What I should already know:

To recognise that some materials allow electricity to flow and others do not.

This learning will help me in the future when I learn:

The role of an electrical engineer.