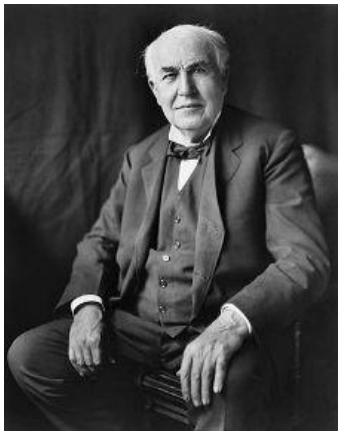
Science – Electricity– Year 6 – Autumn 1

Vocabulary Top Ten:	
amps	A unit for measuring electric current.
battery	A device for storing and supplying electricity.
circuit	A path of electrical current.
component	The different parts of an object.
current	The flow of electricity along or through something.
electricity	A form of energy carried by electrons and protons.
electron	A particle of matter with a negative electric charge.
energy	The power from fuel and other resources.
flow	A steady, continuous stream.
voltage	An electric force measured in Volts.

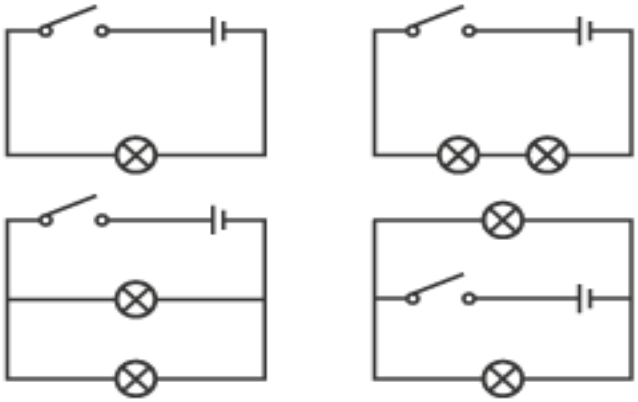
Thomas Edison



Born: 1847
Died: 1931
Nationality: American

He was a great inventor who invented many useful items which are still used today, including the light bulb.

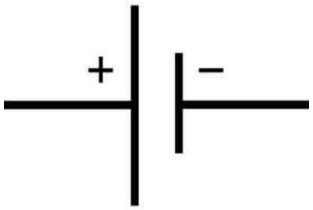
Diagram



Key Facts:

- Electricity can be dangerous and needs to be used safely.
- A series circuit is a closed circuit in which the current follows one path.
- Electrical current is a measure of the flow of electrons.
- A cell is a store of energy. This energy pushes electricity round the circuit.
- Current is measured in Amps.
  Voltage is the electric force that causes electrons to flow.
  Voltage is measured in Volts.
- The voltage of the cells the brighter the lamp and louder the buzzer.
- The more lamps in the circuit the brightness will decrease because there are more components for the current to pass through.
- The more buzzers in the circuit the volume will decrease because there are more components for the current to pass through.
- When a switch is open (off) it breaks the circuit and the flow of electrons.
- When a switch is closed (on) the circuit is complete.

battery



bulb

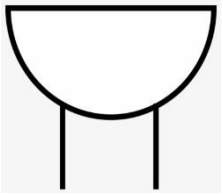


wire

motor



buzzer



open switch



closed switch

