

Components of a circuit

VOCABULARY

Circuit- A path that an electrical current can flow around.

Symbol- a visual picture that stands for something else.

Cell- A single unit battery that stores chemical energy.

Battery- A collection of cells which stores chemical energy.

Current- The flow of electrons, measured in amps.

amps- How electric current is measured.

Voltage- The force that makes the electric current move through the wires. The greater the voltage the more current will flow.

Resistance- the difficulty that the electric current has when flowing around a circuit.

Electrons- Very small particles that travel around an electrical circuit.



circuit



symbol



cell



battery



current



amps



voltage



resistance

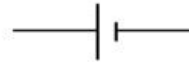


electrons

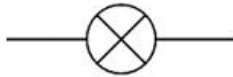
Wire



Cell



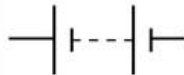
Bulb



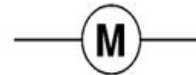
Buzzer



Battery



Motor

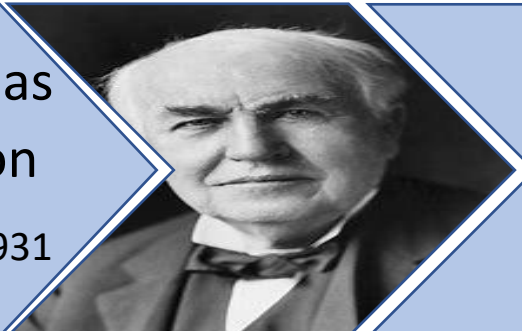


Skills I am learning ...

- I can compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.
- To associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.
- To use recognised symbols when representing a simple circuit in a diagram.

Thomas
Edison

1847-1931



Lived in New Jersey in USA.
Known as one of the greatest inventors in history. He invented the lightbulb, the phonograph (record and play sound) and an early video camera.