



We are Scientists...

Electricity

We are curious, we are unique, we are together, we are Whiteshill!

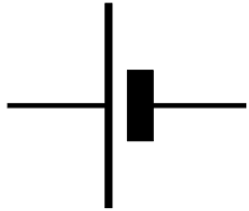
### What does a circuit need?

Complete loop

Cell

Output e.g. Lightbulb, motor

Cell



Wire



### Definitions

Electrical conductor – lets electricity pass through easily e.g. metal such as copper.

Insulator – do not allow electricity to pass through them e.g. wood and plastic

Voltage – measure of electrical energy – higher voltage = more energy

Thermal conductor – allows heat to pass through it easily e.g. metal.

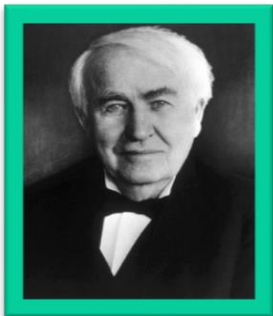
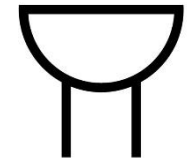
Bulb



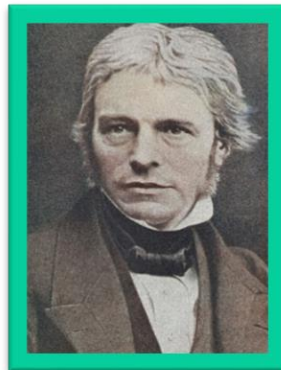
Switch



Buzzer



Thomas Edison  
Inventor of the light bulb



Michael Faraday  
Inventor of the electric motor



Dale Vince  
Ecotricity