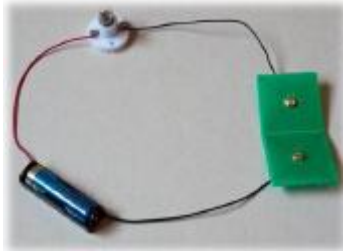
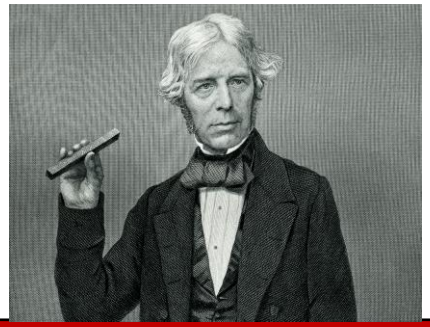
Year 4: I can't see the time in my bedroom at night

Subject Specific Vocabulary

Circuit	path through which electricity passes.
Conductor	a material which allows an electric current to pass through it.
Insulator	a material which allows an electric current to pass through it.
Electrical system	An electrical system has and input eg. Switch and an output eg. light
Push – to - break switch	a switch turned off by pressing it.
Push – to - make switch	a switch turned on by pressing it.
Output devices	components that produce an outcome e.g. bulbs and buzzers.
Input devices	components that are used to control an electrical circuit e.g. switches.
Disassemble	To take something to pieces to try and understand how it works
Simple series circuit	Consists of: • a cell, • an output eg. bulb • A switch 

Michael Faraday 1791-1867



Jagjit Singh Sahota 1981 - current

Careers

- **Space engineer** – design space rockets
- **Electrical engineer** – design, build and maintain electrical systems





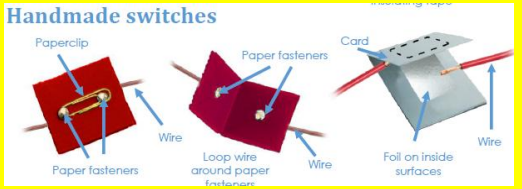
- **Product designer** – carries out the design process to create a product or improve a product



Sticky Knowledge

A push to break switch is off while the button is pushed but returns to its on position when released.

A push-to-make switch – when you push the electricity flows through the circuit, but when you release it the circuit is broken and the switch is off.



Know how to make a secure connection

a)Tape with insulating tape





b)Wrap wire ends around together

c)When using a bulb holder bend the wire around the screw in the direction of turning when tightening.



An electrical system has and input eg. Switch and an output eg. light