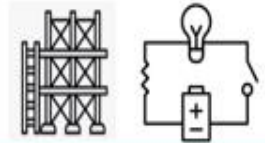




Design and Technology Knowledge Organiser

LKS2 - Electrical Components. Lighthouses.



History/Designer link

Robert Stevenson
Lighthouse engineer
(8 June 1772 - 12 July 1850)



Technical Vocabulary:

Circuit: path through which electricity passes

Conductor: a material which allows an electrical current to pass through it

Insulator: a material which does not easily allow electric current to pass through it

Prototype: a model made to test whether a design will work.

Push-to-break switch: a switch turned off by pressing it

Push-to-make switch: a switch turned on by pressing it

Toggle switch: a switch operated when a lever is pressed

Output devices: components that produce an outcome e.g. bulbs

Input devices: components that are used to control an electrical circuit e.g. switches

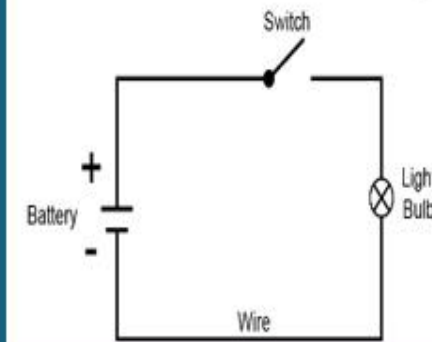
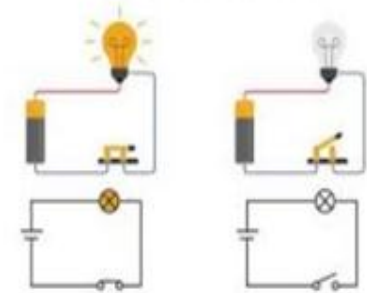
Lighthouse Diagram



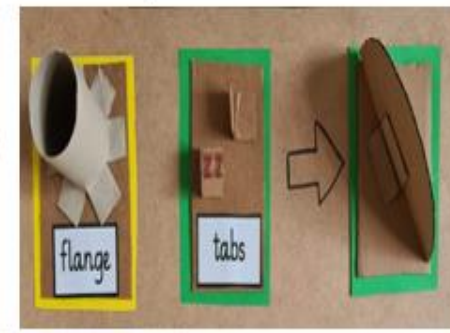
Electrical circuits



Basic electric circuit



Ways to attach and join materials.



Health and Safety

Remove any jewellery and tie back long hair. Follow your teacher's instructions carefully.

Use all resources, tools and equipment safely.

Handle sharp objects such as scissors safely.