

Key Vocabulary:

research – to find out

evaluate – to discuss & decide what would make it even better

function – what the product does

purpose – why it was designed

existing – something that is already available

user – who it is for

innovate – design something new

Real World Examples:

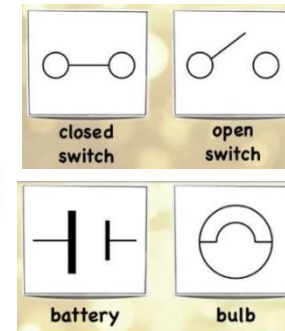
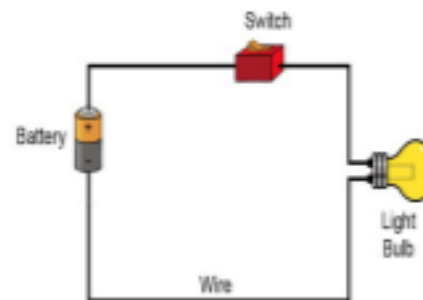
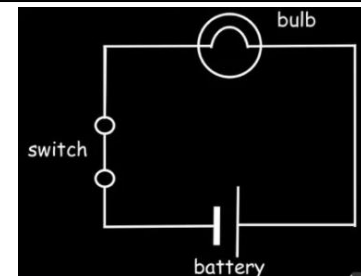
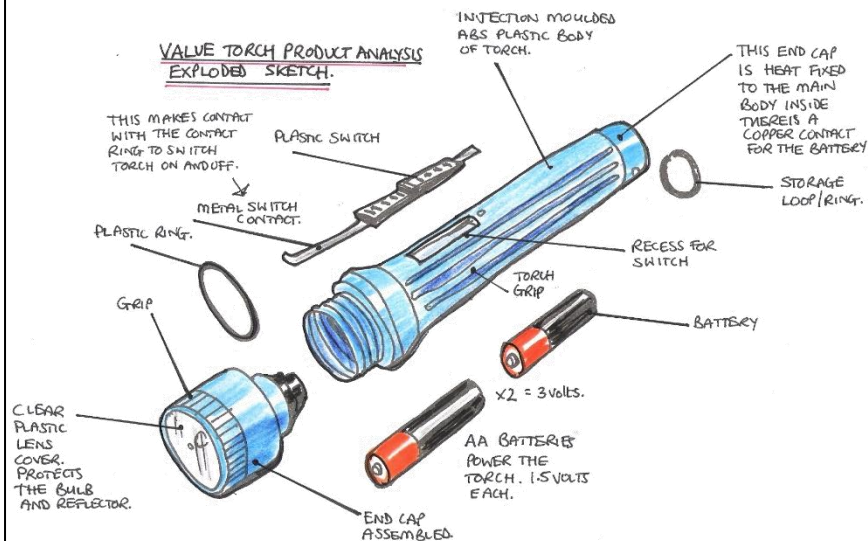


Important People:

In 1899, **David Misell** an English inventor, invented the first torch.

It had three 'D batteries' placed in a tube that acted as a handle of the device. Batteries powered a small incandescent electric light bulb and a simple contact switch turned light on and off.

Constructional Diagrams & Key Info:



They were called "flash" lights because they could not throw light for too long and you had to turn them off to rest them from time to time.

Early torches ran on zinc-carbon batteries that could not give constant current for longer time frames.

Lesson 1	To identify the features of torches and investigate their uses.
Lesson 2	To be able to create a simple circuit and investigate different types of switches.
Lesson 3	To investigate cases for a torch.
Lesson 4	To be able to design a torch for a particular purpose.
Lesson 5	To be able to make a torch.
Lesson 6	To be able to evaluate a finished product.