

Leintwardine Endowed CE Primary School Learning Journey Key

'Letting Our Light Shine'

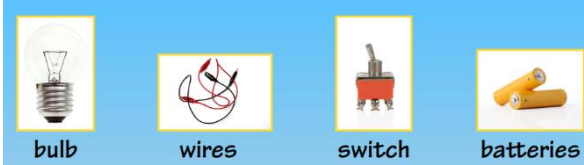
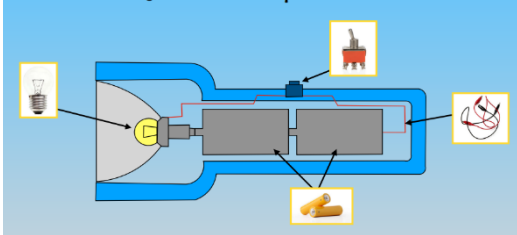
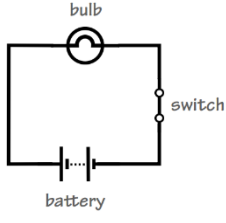
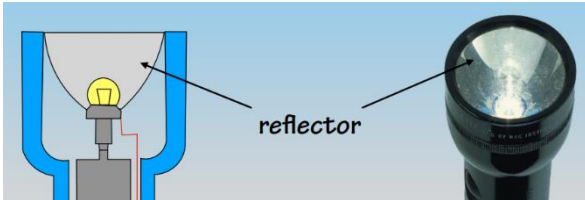
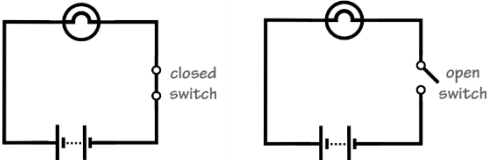
SUBJECT : D&T

YEAR : B

TERM : Autumn 2

YEAR GROUPS : 3/4

Key Question: Can I design my own torch?

Question	Vocabulary to Use	Information which will help me	Can I....?												
What are the features of torches?	torch,		Identify the main features of torches?												
What is the best material for a switch in and electrical circuit?	insulator, 3D net, electrical circuit, switch, battery, flow,		Explain how a torch works? Explain how a torch's design matches its purpose?												
What makes a good casing for a torch?	electron, wire, bulb, design, purpose, success criteria, features, casing, product, evaluate, portable	<p data-bbox="763 683 1010 715">Material properties</p> <table border="1" data-bbox="640 759 1122 922"> <tr> <td>strong</td> <td>soft</td> <td>hard</td> <td>waterproof</td> </tr> <tr> <td>absorbent</td> <td>flexible</td> <td>colourful</td> <td>conducts electricity</td> </tr> <tr> <td>durable</td> <td>does not conduct electricity</td> <td>transparent</td> <td>opaque</td> </tr> </table>	strong	soft	hard	waterproof	absorbent	flexible	colourful	conducts electricity	durable	does not conduct electricity	transparent	opaque	Create a simple circuit? Explain conductivity?
strong	soft	hard	waterproof												
absorbent	flexible	colourful	conducts electricity												
durable	does not conduct electricity	transparent	opaque												
Can I design a torch for a particular purpose?			Create a switch? Describe what a torch casing should be like?												
Can I make a torch to fit a design criteria?		 <p data-bbox="1330 986 1738 1059">'Portable' means that it is easy to carry and move around.</p> <p data-bbox="1402 1098 1765 1286">The reflector is made from plastic and coated with a shiny aluminium layer which bends around the bulb. It helps to direct the light rays forward so they provide a strong, steady beam of light.</p>	Create a torch casing using a 3D net? Generate ideas for my own torch design that meets a design criteria?												
Can I evaluate my product?			Follow a design to create a torch? Evaluate my product?												