
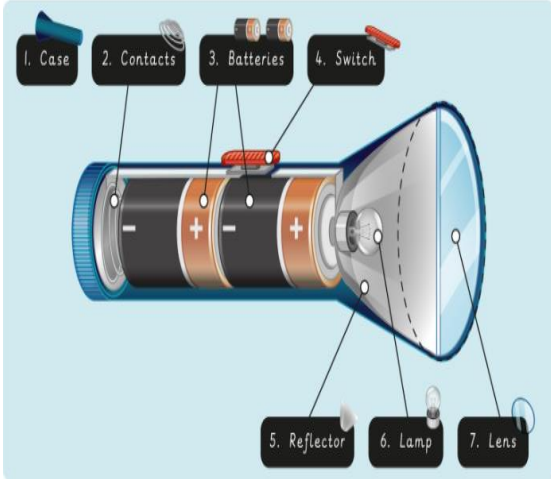


# Year 4: Electrical Systems Knowledge Mat

Subject Specific Vocabulary		Product Outcome	Important Knowledge
<b>design criteria</b>	To make or draw plans for the structure or form of a product to achieve a set standard.	 	<ul style="list-style-type: none"> <li><input type="checkbox"/> I know what electrical conductors and insulators are.</li> <li><input type="checkbox"/> I know that a battery contains stored electricity which can be used to power products.</li> <li><input type="checkbox"/> I can analyse and evaluate the features and function of a torch.</li> <li><input type="checkbox"/> I can design a torch that meets the design specification.</li> <li><input type="checkbox"/> I know how to cut and assemble materials to create a working circuit using a switch.</li> <li><input type="checkbox"/> I can refine and modify my torch to improve my product.</li> <li><input type="checkbox"/> To add finishing techniques to my final product</li> <li><input type="checkbox"/> I can evaluate my torch referring to my design specification and provide suggestions on how I can improve my product.</li> </ul>
<b>prototype</b>	An original model on which improvements are later developed.		
<b>unique</b>	Being the only one of its type. There is nothing else quite like it.		
<b>modify</b>	To make changes to the product.		
<b>analyse</b>	To examine and explain products.		
<b>series circuit</b>	A circuit where the current flows through each component.		
<b>fault</b>	An error in the circuit so it does not work.		
<b>connection switch</b>	A device used to make or break the connection.		
<b>insulator</b>	A material that does not conduct electricity.		
<b>conductor</b>	A material that allows the electrical current to flow through it.		