

# Teaching and Learning Content: Design and Technology

Year Group: 8

Half Term 4



<b>Topic</b> Speaker Design	
<b>Home Learning:</b> Students are expected to complete a homework research project over the half term linking to their classwork	
<b>Key Questions:</b> <ul style="list-style-type: none"><li>• What is a design brief?</li><li>• What makes a good logo?</li><li>• What is typography?</li><li>• How do I solder electrical components?</li><li>• What are the names of different electrical components and what do they do?</li><li>• How do I use 2D design on the computer to design my speaker?</li><li>• What different plastics are there and what are their properties?</li></ul>	<b>Diagnosis</b> <ul style="list-style-type: none"><li>• Retrieval activities</li><li>• Mini whiteboard activities</li></ul>
	<b>Therapy</b> <ul style="list-style-type: none"><li>• Teacher Demonstration</li><li>• DIRT tasks</li><li>• Peer to peer support</li><li>• Whole class feedback</li></ul>
<b>Students will:</b> <ul style="list-style-type: none"><li>• Be able to produce an interesting and original name and logo for their band.</li><li>• Be able to identify different electrical components.</li><li>• Be able to solder the speaker components together.</li><li>• Be able to use 2D design in a creative way to produce speaker design.</li></ul>	<b>Testing</b> <ul style="list-style-type: none"><li>• Students will be assessed on the quality of their practical outcome (use of tools and equipment in a safe and effective way).</li></ul>

- Be able to understand about different types of plastics.

- Students will have a spelling test on the key words related to the work