

## Year 11 GCSE Design & Technology Learning Programme 2

<p>The LORIC skill focus for this LP is: ORGANISATION The Moral Virtues focus for this LP are: COMPASSION and HONESTY Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others. Honesty - the quality of being truthful.</p> <p><b>What will I be learning about in this Learning Programme?</b> How to initiate the development of a design idea. How timbers and polymers are manufactured into products in the workshop and to a larger scale in industry. How timbers and polymers are manufactured into products in the workshop and to a larger scale in industry.</p> <p><b>Where have I seen this learning before?</b> In Year 10 you will have completed design development as part of your mock NEA. You will also have worked with timber and polymer materials to make a product in the design &amp; technology workshop. You will also have developed your knowledge of tools and equipment throughout KS3.</p> <p><b>What could I use it for?</b> You will be able to apply your knowledge in your GCSE examination and apply your understanding of the non-examined assessment when you begin your externally set NEA in June of Year 10.</p>		<p><b>Literacy:</b></p> <ul style="list-style-type: none"> <li>Capital letters must be used at the start of sentences and for the first letter of proper nouns</li> <li>Full stops must be used at the end of a sentence</li> <li>Question marks must be used at the end of a question</li> <li>Apostrophes should only be used for possession or omission</li> <li>Days of the week and months must be spelled correctly</li> <li>Key words must be spelled correctly</li> </ul>
<p><b>In LP2.1, I will know:</b> 21/10/24 - (WK 2)</p> <p>which materials and processes are used to make iterative models (7;1); how industry professional use digital design tools to develop design ideas (7.4).</p>	<p><b>Key Vocabulary</b></p> <p>Simulation</p>	<p><b>Homework</b></p> <p>Modelling materials and model types.</p>
<p><b>In LP2.2, I will know:</b> 04/11/24 - (WK 1)</p> <p>how to use sketch modelling to develop selected ideas; which factors are considered when selecting appropriate materials (5;2).</p>	<p><b>Key Vocabulary</b></p> <p>Properties</p>	<p><b>Homework</b></p> <p>Digital design tools and their uses.</p>
<p><b>LP2 RLW, I will:</b> 11/11/24 - (WK 2)</p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>	<p><b>Key Vocabulary</b></p> <p>Revision</p>	<p><b>Homework</b></p> <p>Use revision techniques to prepare for the summative assessment.</p>
<p><b>In LP2.3, I will know:</b> 18/11/24 - (WK 1)</p> <p>which timber materials are most suitable for different products (5.1b); how to present my design developments in my NEA portfolio.</p> <p>Extended Task.</p>	<p><b>Key Vocabulary</b></p> <p>Critically evaluate</p>	<p><b>Homework</b></p> <p>Revision and preparation for Mock Exam.</p>
<p><b>In LP2.4, I will know:</b> 25/11/24 - (WK 2)</p> <p>how to describe how timber materials are manufactured into products (7;2) and finished (6.2).</p>	<p><b>Key Vocabulary</b></p> <p>Laminating</p>	<p><b>Homework</b></p> <p>Manufacturing with timbers.</p>
<p><b>In LP2.5, I will know:</b> 02/12/24 - (WK 1)</p> <p>my strengths and areas for development from my learning so far, by completing my mock examination; how to critically evaluate design developments against user requirements, and suggest improvements for iterations.</p>	<p><b>Key Vocabulary</b></p> <p>Critically evaluate</p>	<p><b>Homework</b></p> <p>Record design development progress.</p>
<p><b>In LP2.6, I will know:</b> 09/12/24 - (WK 2)</p> <p>how to test and further iterate my prototypes to ensure primary users needs are met.</p> <p>Extended Task.</p>	<p><b>Key Vocabulary</b></p> <p>Feedback</p>	<p><b>Homework</b></p> <p>Gain primary user feedback on my iterated ideas.</p>
<p><b>In LP2.7, I will know:</b> 16/12/24 - (WK 1)</p> <p>how to review my NEA progress and update my portfolio.</p>	<p><b>Key Vocabulary</b></p> <p>Review</p>	<p><b>Homework</b></p> <p>Learning review task.</p>
<p><b>Resources to support learning:</b> The following websites contain extensive revision material and information to increase design &amp; technology subject knowledge: <a href="http://www.technologystudent.com">www.technologystudent.com</a>; <a href="http://www.mr-dt.com">www.mr-dt.com</a>; <a href="http://www.bbc.co.uk/bitesize">www.bbc.co.uk/bitesize</a>.</p>		
<p><b>FFET Award Challenge for this Learning Programme:</b> Create a 'Materials' knowledge organiser to help remind you about the categories and types of timbers, metals, polymers, fibres &amp; fabrics, papers &amp; boards and smart and modern materials.</p>		

