

## Year 11 GCSE Design & Technology Learning Programme 4

<p>The LORIC skill focus for this LP is: INITIATIVE.</p> <p>The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles.</p> <p>Gratitude - Feeling and expressing thanks.</p> <p><b>What will I be learning about in this Learning Programme?</b></p> <p>To know how to manufacture my individual final prototype. To know how and why we test the feasibility of a final prototype. To know how to evaluate a final prototype. To know how to use exam revision techniques to fill gaps in knowledge.</p> <p><b>Where have I seen this learning before?</b></p> <p>In KS3 and in Year 10 you will have worked with a range of materials to make products in the design &amp; technology workshop. You will have developed your knowledge of tools and equipment and will know how to select and apply a range of manufacturing processes.</p> <p><b>What could I use it for?</b></p> <p>You will be able to apply your knowledge of manufacturing and evaluation in your GCSE examination, as well as apply your understanding to the final strands of the non-examined assessment (NEA).</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>
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<b>In LP4.1, I will know:</b>	<b>04/03/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to present my NEA iterative designs to a standard to meet the criteria in the highest mark bands.		Criteria	Update my NEA portfolio of evidence.

<b>In LP4.2, I will know:</b>	<b>11/03/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to use my initiative when working on my individual NEA portfolio or prototype, showing chronological progression; my strengths and areas for development for my learning so far.		Chronological	Update my NEA portfolio of evidence.



<b>In LP4.3, I will know:</b>	<b>18/03/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to show my initiative when using tools and equipment safely, whilst also showing gratitude for the resources provided; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.		Sustainability	Practice exam question: Polymer processing.
Extended Task.			

<b>In LP4.4, I will know:</b>	<b>25/03/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.		Design communication	Practice exam question: Polymer processing.

<b>In LP4.5, I will know:</b>	<b>15/04/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.		Finalise	Practice exam question: Timber processing.



<b>In LP4.6, I will know:</b>	<b>22/04/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to test the feasibility of my final prototype using appropriate methods; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.		Feasibility	Practice exam question: Timber processing.
Extended Task.			

<b>In LP4.7, I will know:</b>	<b>29/04/24 - (WK 1)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to present my final testing & evaluation results; how to apply revision and exam techniques to prepare for questions about metal, fabric and paper materials.		Design optimisation	Practice exam question: Material properties.

<b>In LP4.8, I will know:</b>	<b>06/05/24 - (WK 2)</b>	<b>Key Vocabulary</b>	<b>Homework</b>
how to apply revision and exam techniques to prepare for mathematics style questions.		Calculate	Practice exam question: Mathematic calculations.

<b>Resources to support learning:</b>
The following websites contain extensive revision material and information to increase design & 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-OCR">www.bbc.co.uk/bitesize-OCR</a> Design & Technology.

<b>FFET Award Challenge for this Learning Programme:</b>
Create revision flashcards to help others study for the DT exam.