

## Year 10 GCSE Design & Technology Learning Programme 5

<p>The LORIC skill focus for his LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY.</p> <p>Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself.</p> <p><b>What will I be learning about in this Learning Programme?</b> How mechanisms and electronics are used in product design. How smart, modern and composite materials are used in products. The OCR externally set contexts for the non-examined assessment (NEA) iterative design project. I will know how to explore each context and how to create a design brief and associated research to investigate the needs of users and stakeholders.</p> <p><b>Where have I seen this learning before?</b> You will have completed a mock NEA during LP1 of Year 10 where you explored contexts. You will also have investigated a range of contexts during the completion of Key Stage 3 design projects.</p> <p><b>What could I use it for?</b> You will be able to apply your knowledge and understanding of exploring contexts in the non-examined assessment.</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 LP5.1, I will know:</b> 11/05/26 - (WK 1)</p> <p>how to categories motion types; how controlled movement is introduced to products and systems (6;3).</p>	<p><b>Key Vocabulary</b></p> <p>Mechanical</p>	<p><b>Homework</b></p> <p>Movement &amp; mechanisms.</p>
<p><b>In LP5.2, I will know:</b> 18/05/26 - (WK 2)</p> <p>how electronic systems provide functionality to products and processes; how smart and modern materials are used in product design.</p>	<p><b>Key Vocabulary</b></p> <p>Programming</p>	<p><b>Homework</b></p> <p>Electronic systems &amp; components.</p>
<p><b>LP5 RLW, I will:</b> 01/06/26 - (WK 1)</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 LP5.3, I will know:</b> 08/05/26 - (WK 2)</p> <p>which context themes have been released by OCR for the NEA iterative design project; how to explore each design context using the 5Ws mind mapping strategy.</p> <p>Extended Task.</p>	<p><b>Key Vocabulary</b></p> <p>Context</p>	<p><b>Homework</b></p> <p>Explore NEA contexts.</p>
<p><b>In LP5.4, I will know:</b> 15/06/26 - (WK 1)</p> <p>which context I am completing for my iterative design project to write a design brief; who the primary user and wider stakeholders for my NEA iterative design project are.</p>	<p><b>Key Vocabulary</b></p> <p>Design brief</p>	<p><b>Homework</b></p> <p>Primary research of selected context.</p>
<p><b>In LP5.5, I will know:</b> 22/06/26 - (WK 2)</p> <p>how to compile interview and survey questions to find out the needs and wants of my primary user and stakeholders; how to present the results of my primary user interview and stakeholder survey; how to prepare and revise for my mock examination.</p>	<p><b>Key Vocabulary</b></p> <p>Survey</p>	<p><b>Homework</b></p> <p>Explore stakeholder needs and wants.</p>
<p><b>In LP5.6, I will know:</b> 29/06/26 - (WK 1)</p> <p>how to prepare and revise for my mock examination; how to analyse existing products to identify features and functions.</p> <p>Extended Task.</p>	<p><b>Key Vocabulary</b></p> <p>Analyse</p>	<p><b>Homework</b></p> <p>Compile stakeholder survey results.</p>
<p><b>In LP5.7, I will know:</b> 06/07/26 - (WK 2)</p> <p>how to evaluate the strengths and weaknesses of a range of products similar to the one I will design; how to conduct wider research.</p>	<p><b>Key Vocabulary</b></p> <p>Research</p>	<p><b>Homework</b></p> <p>Explore wider research.</p>
<p><b>Resources to support learning:</b> The following websites contain extensive revision material and information to increase design &amp; technology subject knowledge: OCR GCSE Design &amp; Technology All-in-One Revision and Practice- Collins GCSE Revision and Practice; www.mr-dt.com;</p>		
<p><b>FFET Award Challenge for this Learning Programme:</b> Conduct an interview with the primary user of your DT NEA, or conduct a survey to research your stakeholders needs.</p>		

