

Year 10 GCSE Design & Technology

Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION</p> <p>The Moral Virtues focus for this LP are: COMPASSION and HONESTY</p> <p>Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.</p> <p>Honesty - the quality of being truthful.</p> <p>What will I be learning about in this Learning Programme?</p> <p>New and emerging technologies and their impact on society, environment and ethics; how products are influenced by different factors; how designers choose appropriate sources of energy.</p> <p>Where have I seen this learning before?</p> <p>During KS3 design & technology you have learnt about new technologies in the systems unit; you have also applied 3D computer aided design skills in the night light and completing the architecture unit.</p> <p>What could I use it for?</p> <p>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>Literacy:</p> <ul style="list-style-type: none"> • Capital letters must be used at the start of sentences and for the first letter of proper nouns • Full stops must be used at the end of a sentence • Question marks must be used at the end of a question • Apostrophes should only be used for possession or omission • Days of the week and months must be spelled correctly • Key words must be spelled correctly
<p>In LP2.1, I will know:</p> <p>how new and emerging technologies are used in products (2;2); how to iterate my idea by continuing to develop my concept in card/foam.</p>	<p>21/10/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Emerging</p>	<p>Homework</p> <p>New and emerging technologies.</p>
<p>In LP2.2, I will know:</p> <p>how developments in technology can influence industry, society and the environment (2;2); how to test and evaluate my initial card/foam prototype.</p>	<p>04/11/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Obsolescence</p>	<p>Homework</p> <p>Impact of new technologies on environment and society.</p>
<p>LP2 RLW, I will:</p> <p>review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.</p>	<p>11/11/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Revision</p>	<p>Homework</p> <p>Use revision techniques to prepare for the summative assessment.</p>
<p>In LP2.3, I will know:</p> <p>what wider implications can influence the processes of designing and making (3;3); how to use CAD SketchUp to present my iterated idea.</p> <p>Extended Task.</p>	<p>18/11/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Sustainability</p>	<p>Homework</p> <p>Wider issues (Environmental, social & economic).</p>
<p>In LP2.4, I will know:</p> <p>how electricity is generated, transferred and stored (3.1 and 3;2); my strengths and areas for development from my learning so far by completing a summative assessment.</p>	<p>25/11/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Renewable</p>	<p>Homework</p> <p>Sources of energy.</p>
<p>In LP2.5, I will know:</p> <p>what types of digital design tools are used by designers (Unit 7;4); how to further develop my idea through CAD modelling.</p>	<p>02/12/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Extrude</p>	<p>Homework</p> <p>Digital design tools.</p>
<p>In LP2.6, I will know:</p> <p>how digital design tools are used to demonstrate a design's suitability (Unit 4;1); how to present the development of an idea for the NEA, using labelling and annotation.</p> <p>Extended Task.</p>	<p>09/12/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Simulation</p>	<p>Homework</p> <p>SketchUp task.</p>
<p>In LP2.7, I will know:</p> <p>how to render a CAD final design using suitable materials; how to present the development of my final design to my peers.</p>	<p>16/12/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Render</p>	<p>Homework</p> <p>Final design presentation.</p>
<p>Resources to support learning:</p> <p>The following websites contain extensive revision material and information to increase design & technology subject knowledge:</p> <p>www.technologystudent.com;</p> <p>www.mr-dt.com;</p> <p>www.bbc.co.uk/bitesize.</p>		
<p>FFET Award Challenge for this Learning Programme:</p> <p>Create a Design & Technology wall display either about 'energy sources and their environmental impact' or 'new and emerging technologies'.</p>		

