

Year 7 Design & Technology - Graphics & Mechanisms Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION 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. Honesty - the quality of being truthful.</p> <p>What will I be learning about in this Learning Programme? Paper and board categories, graphical skills and types of movement in mechanical products. I will learn about levers and linkages and the laminating process.</p> <p>Where have I seen this learning before? In KS2 design & technology you will have worked with simple mechanism and made models from paper and card.</p> <p>What could I use it for? You can use paper and board materials to manufacture products in design & technology over your next 7 years; you will apply your knowledge of papers and boards in the GCSE Design & Technology exam.</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: 21/10/24 - (WK 2)</p> <p>where the materials categorised as 'papers and boards' come from; what the main stages of the paper making process are.</p>	<p>Key Vocabulary</p> <p>Source</p>	<p>Homework</p> <p>Explain the stages of the paper making process.</p>
<p>In LP2.2, I will know: 04/11/24 - (WK 1)</p> <p>the environmental concerns of making paper.</p>	<p>Key Vocabulary</p> <p>Deforestation</p>	<p>Homework</p> <p>Explain the environmental impact of using paper.</p>
<p>LP2 RLW, I will: 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>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: 18/11/24 - (WK 1)</p> <p>how to apply graphics skills including tonal shading and surface rendering; how typography styles such as Word Art can represent the meaning of a word.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Rendering</p>	<p>Homework</p> <p>Complete a tonal shading task.</p>
<p>In LP2.4, I will know: 25/11/24 - (WK 2)</p> <p>where different types of movement occur as a result of a mechanical system.</p>	<p>Key Vocabulary</p> <p>Oscillating & reciprocating</p>	<p>Homework</p> <p>Create a word art design for a film, game or book.</p>
<p>In LP2.5, I will know: 02/12/24 - (WK 1)</p> <p>what the three classes of lever types are and their uses; how to use graphical techniques to present a range of ideas for my door hanger.</p>	<p>Key Vocabulary</p> <p>Fulcrum</p>	<p>Homework</p> <p>Investigate the four types of motion.</p>
<p>In LP2.6, I will know: 09/12/24 - (WK 2)</p> <p>how to apply graphical skills to present a precise door information hanger.</p> <p>Extended Task.</p>	<p>Key Vocabulary</p> <p>Tonal shading</p>	<p>Homework</p> <p>Identify the three classes of levers.</p>
<p>In LP2.7, I will know: 16/12/24 - (WK 1)</p> <p>how and why we laminate papers and how this can impact the environment; how to evaluate my door hanger and suggest improvements.</p>	<p>Key Vocabulary</p> <p>Laminating</p>	<p>Homework</p> <p>Convert units of measurements from cm to mm.</p>
<p>Resources to support learning: The following websites contain extensive revision material and information to increase design & technology subject knowledge: www.technologystudent.com; www.mr-dt.com; www.bbc.co.uk/bitesize.</p>		
<p>FFET Award Challenge for this Learning Programme: Create a greeting card with a moving part (mechanism) attached.</p>		

PRT Task 1

PRT Task 2