

Year 7 Design & Technology - Graphics & Mechanisms

Learning Programme 5

The LORIC skill focus for his LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY.	Literacy: <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
Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself.	
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.	
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.	
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.	

In LP5.1, I will know:	11/05/26 - (WK 1)	Key Vocabulary	Homework
where the materials categorised as 'papers and boards' come from; what the main stages of the paper making process are.		Source	Explain the stages of the paper making process.

In LP5.2, I will know:	18/05/26 - (WK 2)	Key Vocabulary	Homework
the environmental concerns of making paper.		Deforestation	Explain the environmental impact of using paper.

LP5 RLW, I will:	01/06/26 - (WK 1)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		Revision	Use revision techniques to prepare for the summative

In LP5.3, I will know:	08/05/26 - (WK 2)	Key Vocabulary	Homework
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.		Rendering	Complete a tonal shading task.
Extended Task.			

In LP5.4, I will know:	15/06/26 - (WK 1)	Key Vocabulary	Homework
where different types of movement occur as a result of a mechanical system.		Oscillating & reciprocating	Create a word art design for a film, game or book.

In LP5.5, I will know:	22/06/26 - (WK 2)	Key Vocabulary	Homework
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.		Fulcrum	Investigate the four types of motion.

In LP5.6, I will know:	29/06/26 - (WK 1)	Key Vocabulary	Homework
how to apply graphical skills to present a precise door information hanger.		Tonal shading	Identify the three classes of levers.
Extended Task.			

In LP5.7, I will know:	06/07/26 - (WK 2)	Key Vocabulary	Homework
how and why we laminate papers and how this can impact the environment; how to evaluate my door hanger and suggest improvements.		Laminating	Convert units of measurements from cm to mm.

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 .

FFET Award Challenge for this Learning Programme:
Create a greeting card with a moving part (mechanism) attached.

