

Year 12 Design & Technology Product Design

Learning Programme 5

The LORIC skill focus for his LP is: COMMUNICATION. The Moral Virtues focus for this LP are: COURAGE and HUMILITY. Courage - Acting with bravery and overcoming fears. Humility - Having a modest view of oneself. What will I be learning about in this Learning Programme? How designers explore contexts and identify requirements before designing and modelling prototypes. How designers use stakeholder requirements to inform the design and development of products. The implications of wider issues on the designing, development and manufacture of products. Where have I seen this learning before? During Year 12 LP1 and LP3 you will have used primary user and stakeholder design requirements to inform the design process of prototypes. What could I use it for? You will apply your knowledge in the A Level D&T examination and will utilise your research skills & understanding in the A Level NEA, the Iterative Design Project.			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	
In LP5.1, I will know:		12/05/25 - (WK 1)	Key Vocabulary	Homework
the methods used by designers to investigate stakeholder requirements, including usability (1.2a, 1.3a).			Stakeholders	User Requirements.
In LP5.2, I will know:		19/05/25 - (WK 2)	Key Vocabulary	Homework
the social, ethical and environmental factors that are considered when investigating design possibilities (3;1); how to present my own primary and secondary analysis of existing products.			Depletion	Lifecycle assessment.
LP5 RLW, I will:		02/06/25 - (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 assessment.
In LP5.3, I will know:		09/05/25 - (WK 2)	Key Vocabulary	Homework
the factors that need to be considered when developing designs for manufacture (3;2); which technical requirements to explore for my chosen design context e.g. sizes, anthropometric data. Extended Task.			Anthropometric data	Designing for manufacture.
In LP5.4, I will know:		16/06/25 - (WK 1)	Key Vocabulary	Homework
the factors to consider when manufacturing products (3;3); how to prepare and revise for my mock examination.			Optimum	Extending product lifecycles.
In LP5.5, I will know:		23/06/25 - (WK 2)	Key Vocabulary	Homework
the factors to consider when distributing products to markets (3;4); how to prepare and revise for my mock examination.			Distribution	Material acquisition & product distribution.
In LP5.6, I will know:		30/06/25 - (WK 1)	Key Vocabulary	Homework
how to test and explore material requirements; how to assess my NEA progress against the assessment criteria. Extended Task.			Material requirements	Material acquisition & product distribution.
In LP5.7, I will know:		07/06/25 - (WK 2)	Key Vocabulary	Homework
how to assess my NEA progress against the assessment criteria; how to identify further technical requirements to research.			Technical requirements	Wider Research.
Resources to support learning: The following websites contain extensive revision material and information to increase design & technology subject knowledge: www.technologystudent.com ; Product design maker YouTube tutorials www.productdesignermaker.com ; Jude Pullen's Lockdown Lectures from Bangor University - YouTube.				
FFET Award Challenge for this Learning Programme: Conduct a stakeholder survey for your NEA Iterative Design project.				

