



## Year 11 GCSE Design & Technology

## **Learning Programme 4**

Learning Programme 4		
The LORIC skill focus for his LP is: INITIATIVE.		Literacy:
The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.		Capital letters must be used at the start
Integrity - Having strong moral principles.		of sentences and for the first letter of proper nouns
Gratitude - Feeling and expressing thanks.		<ul> <li>Full stops must be used at the end of a</li> </ul>
What will I be learning about in this Learning Programme?		sentence
To know how to manufacture my individual final prototype. To know how and why we test the feasibility of a final prototype. To know how to use exam revision techniques to fill gaps in knowledge.	know how to evaluate a final	Question marks must be used at the
prototype. To know now to use examinevision techniques to fin gaps in knowledge.		end of a question  • Apostrophes should only be used for
		possession or omission
Where have I seen this learning before?		Days of the week and months must be
In KS3 and in Year 10 you will have worked with a range of materials to make products in the design & technology workshop. You	ı will have developed your	spelled correctly
knowledge of tools and equipment and will know how to select and apply a range of manufacturing processes.		Key words must be spelled correctly
What could I use it for?		
You will be able to apply your knowledge of manufacturing and evaluation in your GCSE examination, as well as apply your unders	standing to the final strands	
of the non-examined assessment (NEA).		
In LP4.1, I will know: 04/03/24 - (WK 1)	Key Vocabulary	Homework
how to present my NEA iterative designs to a standard to meet the criteria in the highest mark bands.	ney Totabalary	Update my NEA portfolio of evidence.
	Criteria	
In LP4.2, I will know: 11/03/24 - (WK 2)	Key Vocabulary	Homework
how to use my initiative when working on my individual NEA portfolio or prototype, showing chronological progression;		Update my NEA portfolio of evidence.
my strengths and areas for development for my learning so far.		
	Chronological	
In LP4.3, I will know: 18/03/24 - (WK 1)	Key Vocabulary	Homework
how to show my initiative when using tools and equipment safely whilst also showing gratified for the recovery		
how to show my initiative when using tools and equipment safely, whilst also showing gratitude for the resources provided;		Practice exam question: Polymer
how to snow my initiative when using tools and equipment sarely, whilst also snowing gratitude for the resources provided; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.		Practice exam question: Polymer processing.
	Sustainability	
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.	Sustainability	
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.	Sustainability  Key Vocabulary	processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  25/03/24 - (WK 2)	Key Vocabulary	processing.  Homework
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  bow to identify next steps in my final prototype manufacturing and apply material finishes if appropriate;		Homework Practice exam question: Polymer
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  bow to identify next steps in my final prototype manufacturing and apply material finishes if appropriate;	Key Vocabulary  Design	Homework Practice exam question: Polymer
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  bow to identify next steps in my final prototype manufacturing and apply material finishes if appropriate;	Key Vocabulary  Design	Homework Practice exam question: Polymer
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  1. LP4.4, I will know:  1. LP4.4 i will know:  2. LP4.4 i will know:  3. LP4.4 i will know:  4. LP4.4 i will know:  5. LP4.4 i will know:  6. LP4.4 i will know:  6. LP4.4 i will know:  6. LP4.4 i will know:  8. LP4.4 i will know:  9. LP4.4 i will know:  9. LP4.4 i will know:  9. LP4.4 i will know:  1. LP4.4 i will kno	Key Vocabulary  Design  communication	Practice exam question: Polymer processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  1 bow to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1)	Key Vocabulary  Design communication  Key Vocabulary	Practice exam question: Polymer processing.  Homework  Homework
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1) how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback;	Key Vocabulary  Design  communication	Practice exam question: Polymer processing.  Homework Practice exam question: Timber
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1) how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback;	Key Vocabulary  Design communication  Key Vocabulary	Practice exam question: Polymer processing.  Homework Practice exam question: Timber
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1) how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback;	Key Vocabulary  Design communication  Key Vocabulary	Practice exam question: Polymer processing.  Homework Practice exam question: Timber
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  15/03/24 - (WK 2)  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1)  how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  22/04/24 - (WK 2)  how to test the feasibility of my final prototype using appropriate methods;	Key Vocabulary  Design communication  Key Vocabulary  Finalise	Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  15/03/24 - (WK 2)  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1)  how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  22/04/24 - (WK 2)	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary	Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Homework
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  15/03/24 - (WK 2)  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1)  how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  22/04/24 - (WK 2)  how to test the feasibility of my final prototype using appropriate methods;	Key Vocabulary  Design communication  Key Vocabulary  Finalise	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  12/04/24 - (WK 2)  how to test the feasibility of my final prototype using appropriate methods; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  Extended Task.	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary  Feasibility	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.
Extended Task.  In LP4.4, I will know:  Now to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  In LP4.5, I will know:  Now to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  In LP4.6, I will know:  Description of the feasibility of my final prototype using appropriate methods; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  Extended Task.	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.
Extended Task.  In LP4.4, I will know:  Now to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  In LP4.5, I will know:  In LP4.6, I will know:  In LP4.7, I will know:	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary  Feasibility	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.  Homework Homework
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  Now to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  In LP4.5, I will know:  Now to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  In LP4.6, I will know:  Description of the prototype using appropriate methods; how to test the feasibility of my final prototype using appropriate methods; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  Extended Task.  In LP4.7, I will know:  Description of the prototype using appropriate methods; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary  Feasibility	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  to dentify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  Extended Task.  In LP4.7, I will know:  29/04/24 - (WK 1)  how to present my final testing & evaluation results;	Communication  Key Vocabulary  Finalise  Key Vocabulary  Feasibility  Key Vocabulary	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  15/03/24 - (WK 2)  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1)  how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  22/04/24 - (WK 2)  how to test the feasibility of my final prototype using appropriate methods; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  Extended Task.  In LP4.7, I will know:  29/04/24 - (WK 1)  how to present my final testing & evaluation results; how to apply revision and exam techniques to prepare for questions about metal, fabric and paper materials.	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary  Feasibility  Key Vocabulary  Design optimisation	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Material properties.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  to dentify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  Extended Task.  In LP4.7, I will know:  29/04/24 - (WK 1)  how to present my final testing & evaluation results;	Communication  Key Vocabulary  Finalise  Key Vocabulary  Feasibility  Key Vocabulary	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.
how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  Extended Task.  In LP4.4, I will know:  how to identify next steps in my final prototype manufacturing and apply material finishes if appropriate; how to apply revision and exam techniques to prepare for a topic on polymer manufacturing methods.  In LP4.5, I will know:  15/04/24 - (WK 1)  how to finalise the manufacture of my final prototype and show integrity when gaining primary user feedback; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  In LP4.6, I will know:  12/04/24 - (WK 2)  how to test the feasibility of my final prototype using appropriate methods; how to apply revision and exam techniques to prepare for a topic on timber manufacturing methods.  Extended Task.  In LP4.7, I will know:  29/04/24 - (WK 1)  how to present my final testing & evaluation results; how to apply revision and exam techniques to prepare for questions about metal, fabric and paper materials.  In LP4.8, I will know:  06/05/24 - (WK 2)	Key Vocabulary  Design communication  Key Vocabulary  Finalise  Key Vocabulary  Feasibility  Key Vocabulary  Design optimisation	Homework Practice exam question: Polymer processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Timber processing.  Homework Practice exam question: Material properties.

## 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 - OCR Design & Technology.

## FFET Award Challenge for this Learning Programme

Create revision flashcards to help others study for the DT exam.