

Year 7 Design & Technology - Timbers & Key Keeper Design Learning Programme 3

<p>The LORIC skill focus for his LP is: RESILIENCE The Moral Virtues focus for this LP are: RESPECT and JUSTICE Respect - treat others how you would wish to be treated yourself. Justice - our College rules are fair and reasonable.</p> <p>What will I be learning about in this Learning Programme? The source, categories and types of timbers. The environmental impact of using timbers to make products. The equipment used to make different cuts in timbers. Workshop safety. The methods of exploring a context and communicating design ideas.</p> <p>Where have I seen this learning before? In KS2 design & technology you will have completed design and practical tasks using a range of modelling materials.</p> <p>What could I use it for? You can use timber materials to manufacture products in design & technology over your next 7 years; you will apply your knowledge of timbers in the GCSE Design & Technology exam. You can use hand tools to repair and create timber items in your everyday life.</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
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In LP3.1, I will know:	06/01/25 - (WK 2)	Key Vocabulary	Homework
the source of timbers and how they are processed; how using timber can have impact on the environment; I will show compassion when discussing this.		Timber	Timber Processing.

In LP3.2, I will know:	13/01/25 - (WK 1)	Key Vocabulary	Homework
the differences between hardwood and softwood timbers.		Deciduous	The impact of timber use on the environment.

In LP3.3, I will know:	20/01/25 - (WK 2)	Key Vocabulary	Homework
about different types of timbers and their uses; the differences between natural timber and manufactured boards.		MDF Medium density fibreboard	Timber categories.



In LP3.4, I will know:	27/01/25 - (WK 1)	Key Vocabulary	Homework
how to work safely in a workshop by starting a timbers practical task; how to use different saws for different types of cuts.		Grain	Manufactured boards.
Extended Task.			

In LP3.5, I will know:	03/02/25 - (WK 2)	Key Vocabulary	Homework
how to use the 5W strategy to explore the key keeper project.		Context	Health & safety in the workshop.

In LP3.6, I will know:	10/02/25 - (WK 1)	Key Vocabulary	Homework
how to evaluate existing key keeper products.		Aesthetics	Product analysis of key holder products.

LP3 RLW, I will:	24/02/25 - (WK 2)	Key Vocabulary	Homework
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		Revision strategy	Revise for summative assessment.



In LP3.7, I will know:	03/03/25 - (WK 1)	Key Vocabulary	Homework
how to draw in oblique and isometric projection; how to present a range of key keeper design ideas and label the key features of my designs.		Isometric	Isometric drawing.
Extended Task.			

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 collage to show the difference between hardwoods and softwoods.