

Term	Week	Focus	Summary	Learning Outcomes	Learning skills
Term 2.1	1	Pop up book project intro	Assessment objectives.	Understand the brief and expectations of the project – (making a pop up book for a classic children's story, using different mechanisms)	Collaborative learning Critical thinking
	2	Pop up book mechanisms part 1	Learning how to make various different pop up mechanism techniques	Develop skills in making pop-up mechanisms	Hard working Creative working
	3	Pop up book mechanisms part 2	Learning how to make pulley-taps & wheel mechanisms for a pop up book	Develop skills in making pop-up mechanisms	Creative working Agile thinking
	4	Making of final Pop up book	The impact of new and emerging technologies.	Evaluate the impact of technology within society.	Connection finding Automaticity Hard working
	5	Smart & Modern materials	Developments in modern and smart materials.	Investigate and understand how smart & modern materials work to an external stimuli and how they are used in the modern world.	Connection finding
	6	composite materials and technical textiles.	Developments in the contents of composite materials and technical textiles.	To explore the developments in the contents of composite materials and technical textiles. Then to identify how they are used in products and what makes them appropriate for use.	Connection finding Agile thinking

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Term 2.2	7	Natural and manufactured timbers	types, properties and structure of natural and manufactured timbers.	Explore the properties and structure of timber.	Collaborative learning Hardworking
	8	Making of wooden box – Lap joint	Using tenon saw, chisel and mallet to create a lap-joint	Competency with safe use of saw & chisel, focusing on health & safety & efficiency.	Linking Hardworking
	9	Making of wooden box – comb joint	Using measuring and marking tools to draw out comb-joint on wood	Competency with measuring and marking, focusing on accuracy and precision	Connection finding Hardworking
	10	Making of wooden box – comb joint lesson 2	Using the scroll saw, coping saw & tenon saw to cut out joint & glue	Competency with different saws, focusing on accuracy and precision & learning the different uses for each saw.	Connection finding Hardworking
	11	Making of wooden box – Dowel joint	Using measuring & marking skills & the pillar drill to make a dowel joint	Competency with measuring & marking & using the drill safely and efficiently, focusing on accuracy and precision.	Collaborative learning Hardworking
	12	Making of wooden box – lid/handmade hinge	Using various tools and machines to make a hand-made hinge for the lid of the box, & gluing/pinning the base onto trinket box.	Competency with measuring & marking & using the drill safely and efficiently, focusing on accuracy and precision. Learning about mechanical components in woodwork.	Agile thinking Connection finding