

YEAR 9 Curriculum Map
1 term DT

		Lesson Focus	Homework	Assessment	Enrichment	
Design and Technology						
Autumn 2	2 joint box	Week 1	Baseline Test. Knowledge questions with freehand sketching and rendering task. 2D and 3d drawings with annotation.	Knowledge Organiser – Wooden Assembly Methods	Baseline Knowledge Test Grade – No Feedback Given	H/W Club Sustainability Club
			Health and Safety recap. Discuss manufacturing processes. Link to Careers.			
		Week 2	Develop knowledge of wooden assembly methods Health and Safety Recap.	Production Plan and Diary.	POP Quiz – Peer Assessed.	H/W Club Sustainability Club
	Production Challenge – Teamwork production line. Students to create a wooden pencil pot, through collaboration.					
	Week 3	Production – teamwork production line.	Production Evaluation.	Peer assess student outcomes.	H/W Club Sustainability Club	
		Production/ Evaluate.				
	Project in a can	Week 4	Students explore target markets and material properties. Project idea launched; Students to select and detail own client brief.	Two pieces of research – mood board/ client interests/ existing products.	S/A - #Thinkdo activity and material properties activity. ACCESSFM evaluation – graded with written feedback.	H/W Club Sustainability Club
Students brainstorm initial thoughts and ideas.						

		Students perform an ACCESSFM evaluation of a given product.			
	Week 5	Explore user wants and needs – Definitions and target market recap.	Complete further research around student's own design brief.	S/A - #Thinkdo activity	H/W Club Sustainability Club
		Explore how existing designers are considering sustainability. Students to consider sustainability and user wants and needs of their own project intentions.			
	Week 6	Students use research and recapped knowledge of the design brief to generate initial design ideas. Timed activity to prevent design fixation.	Complete final design	S/A – Connect activity Final design – graded with written feedback.	H/W Club Sustainability Club
		Students evaluate initial design ideas against their design briefs. Students create final design.			
HALF TERM					
	Week 7	DIRT availability. Mental health link – explore the importance of failure within design.	Collect any upcycled materials need for product. Production Plan and Diary.	S/A – Connect activity	H/W Club Sustainability Club
		Students begin creating a production plan for their own designs. Further DIRT availability.			
	Week 8	Production of students own design.	Production Plan and Diary	Self/peer assessment – Production diary	H/W Club Sustainability Club
		Production			

		Week 9	Production of students own design.	Complete production diary ready for grading.	Practical Work Graded and written feedback. Complete production diary graded and written feedback given.	H/W Club Sustainability Club
			Production/ Evaluate			
	Workshops/ Skill Development	Week 10	Knowledge Assessment	Knowledge Organiser – Mechanisms	Knowledge Assessment - written feedback	H/W Club Sustainability Club
			Students explore new and emerging technology. Developing understanding factors which influence design. Students design the next iteration a product.			
		Week 11	Mechanisms – Students explore how movement is generated. Focus on Cams and Followers.	Knowledge organiser - Plastics	POP Quiz – S/A	H/W Club Sustainability Club
			Students create an agreeable sheep (moving cam paper toy.)			
		Week 12	Plastics – Recap plastic categorisation, Thermoforming and Thermosetting.	END OF ROTATION	END OF ROTATION	H/W Club Sustainability Club
			Students create a plastic Twizzle stick			

