

Year 10 Learning Journey 2023-2024

<i>Wk</i>	<i>Date</i>	<i>Identify & Investigate</i>	<i>Design & Make</i>	<i>Demonstrate & Apply Knowledge</i>	<i>Analyse and Evaluate</i>		
		<i>Single</i>				<i>Assessment</i>	<i>Project</i>
1	04.09.23	Production of paddle boat - understand and interpreting working drawings, manufacturing specification and tollerances					Paddle Boat
2	11.09.23	Making - Accuracy of marking out and measuring. Understanding and using marking tools on wood					Paddle Boat
3	18.09.23	Making - Drilling and mortising. Machinery safety and the use of a mortiser					Paddle Boat
4	25.09.23	Complete making - Cutting & shaping of wood. Applying finishes. Understanding the need for finishes on wood.				Practical Assessment	Paddle Boat
5	02.10.23	Cable Tidy- Introduction to the project and understand the NEA. Understanding of how the NEA templates work. Task analysis					Cable Tidy
6	09.10.23	Identifying and Investigating - Understand who the target market is. Profile intended user and research the work of other designers.					Cable Tidy
7	16.10.23	Carry out product analysis. How can current trend and products help us with our own ideas?					Cable Tidy
Half-term							
8	30.10.23	Develop a design brief and produce a specification based on the research you have carried out.					Cable Tidy
9	06.11.23	Develop design ideas for your cable tidy. Think about the needs of the user.					Cable Tidy
10	13.11.23	Development of final design. Use orthographic drawing techniques to explain your idea. What materials would you intend on using? Justify your final decisions.					Cable Tidy
11	20.11.23	Evaluation of your final product. Does your product meet you specification criteria?				Cable Tidy Evaluation	Cable Tidy
12	27.11.23	Project introduction - Understanding working drawings and dimensions. Wood joints are used for function and aesthetics. There are two types of wood joints: Frame and Carcass. Mark up finger joints. Take photos				Data Drop	Moneybox
13	04.12.23	Scales of production. Jigs, templates and formers are used in batch production to speed up production and ensure quality control. Cut finger joints and ensure quality. Take photos					Moneybox
14	11.12.23	Making diary. Coomplete a photogrpahic diary of the steps you have taken so far. Include all information on what you did along with the tools, equipment, H&S and QC					Moneybox
Christmas							
15	02.01.24	Practical - router the sides and assemble together. Veneers are used on surfaces to improve their aesthetic properties. Take photos					Moneybox
16	08.01.24	Update making diary and Evaluate outcome. Project assessment - Joints, orthographic drawings, manufacturing				Knowledge assessment	Moneybox
17	15.01.24	RAP assessment, complete making diary and product.					Moneybox
18	22.01.24	Introduce prject brief. Context analysis. Knock down fittings are used by customers in the assembly of flat pack futrniture. CNC processes are used by manufacturers to aid this.					Flat Pack Furniture

19	29.01.24	Understand who your target market is. Anthropometrics and ergonomics are important aspects of a product. Ensure your product meets their requirements and develop a Specification.		Flat Pack Furniture
20	05.02.24	Generate initial ideas for your product. Use sketches to make a range of conceptual ideas, keeping in mind your specification criteria.	Flat Pack Designs	Flat Pack Furniture
Half-term				
21	19.02.24	Use peer feedback to establish your most successful ideas. Develop those ideas further using 3D drawing techniques. Annotate and communicate your ideas. Explain how anthropometrics and ergonomics are considered.		Flat Pack Furniture
22	26.02.24	Finalise your chosen prototype by testing your developed ideas against your specification. Develop your final choice by considering how your parts might fit together with use of KD fittings.		Flat Pack Furniture
23	04.03.24	Modelling is used to see the designer's ideas in 3D. This allows them to analyse the size, shape and aspects of its function. Try to create your prototype using cardboard.	Modelling Design Ideas	Flat Pack Furniture
24	11.03.24	Designers will notice aspects of their model that need improvements. Further development is required to refine the prototype before it is made using the intended materials. Use CAD & CAM to improve your cardboard models.		Flat Pack Furniture
25	18.03.24	Design development continued - modelling	Data Drop	Flat Pack Furniture
26	27.03.24	2D design. Cut - Assemble - Evaluate	Evaluate Designs	Flat Pack Furniture
Easter				
27	17.04.24	FP Electronics - Understanding input-process-output		Electronics T/CAD
28	24.04.24	FP Electronics - Circuits are created to allow electricity to produce an output such as light, sound or movement. To do this a range of components can be used.		Electronics T/CAD
29	02.05.24	FP Metals - Metals can be bent, shaped and manipulated to create products or components.		Metals
30	08.05.24	FP Metals - Metals are selected based on their working and physical properties.	Electronics and Metals assessment	Metals
31	15.05.24	FP Metals / EOYE prep		Metals
32	22.05.24	Contingency - Pause Lesson / EOYE prep		
Half-term				
33	05.06.24	Context Analysis / EOYE prep		NEA Project
34	12.06.24	Context Analysis / EOYE prep		NEA Project
35	19.06.24	Annual Exam	Annual Exam	
36	23.06.24	Annual Exam	Annual Exam	
37	03.07.24	Target Market & Client Profile		NEA Project
38	10.07.24	Target Market & Client Profile		NEA Project
39	17.07.24	Work experience		

Year 10 Assessment Progress Tracker 2023-24

Name:			Key Constructs:	
Subject Target		EOYE	AO1	Identify & Investigate
	Flightpath	BFL	AO2	Design & Make
Autumn			AO3	Analyse & Evaluate
Spring			AO4	Demonstrate & Apply Knowledge
Summer				

<i>Date</i>	<i>Assessment</i>	<i>Grade</i>	<i>B4L</i>	<i>Date</i>	<i>Assessment</i>	<i>Grade</i>	<i>B4L</i>
25.09.23	Practical Assessment - Paddle boat			04.03.24	Modelling Design Ideas		
20.11.23	Cable Tidy Design			27.03.24	Evaluate Designs		
08.01.24	Knowledge assessment on content learnt from the Moneybox			08.05.24	Electronics and Metals assessment		
05.02.24	Flat Pack Designs			23.06.24	Annual Exam		