

Wk	Date	Design	Make	Evaluate	Knowledge	Assessment	Project
1	5.09.24	Introduction to Technology - Baseline Test				Baseline Test	
2	9.09.24	Introduction to Workshop - H&S - Hazards, risks and control measures?					Balloon Boat
3	16.09.24	FPT - Mark out & cut bow - Use tools safely when working with wood					Balloon Boat
4	23.09.24	Drill and assemble - Use machinery safely and accurately in the workshop - Safety log on Go					Balloon Boat
5	30.09.24	Wood is Good - Types of timber - Softwoods & Hardwoods and their differences.					Balloon Boat
6	7.10.24	Assessment - H&S, tools and equipment. Complete Boats - Quality control checks.				Knowledge - What I know now	Balloon Boat
7	14.10.24	Pause and RAP					
8	21.10.24	Introduce project - scroll saw and mark out - use of tools & machinery safely and accurately					Crescent Moon
Half Term							
9	4.11.24	Cut, drill, finish crescent. Develop use of skills you have learnt to complete a project?					Crescent Moon
10	11.11.24	Wood is Good - Manufactured Boards. Origins, how they're made and why they're used.					Crescent Moon
11	18.11.24	Introduce project Brief, Specification & design. Products are made for a purpose.					Christmas Tree
12	25.11.24	Designing card models - prototyping. Models are created to inform design decisions and to save on resources					Christmas Tree
13	2.12.24	Mark out and make using plywood - Develop workshop skills to make a product that is fit for purpose.				Data drop	Christmas Tree
14	9.12.24	Complete project. We apply a finish to materials to protect it and enhance their appearance. Evaluate completed work				Product Evaluation	Christmas Tree
15	16.12.24	Introduce Project - working drawing contain information such as the appearance of the completed product and size dimensions? There are specific tools we need to use when working with metals.					Metal is Magic
Christmas							
16	6.01.25	Mark out card designs. Templates are used for batch production. This ensures accuracy and that each product will be the same.					Tea Light
17	13.01.25	Metal is Magnificent - Ferrous/Non-ferrous metals. Origins, differences and extraction.					Tea Light
18	20.01.25	Product Analysis - Designers analyse existing products to gain understanding of a product and to get inspiration. ACCESS FMM key words are a helpful to tool analyse.				Product Analysis	Tea Light
19	27.01.25	Mark out and begin practical. Use of metal marking and measuring tools. Steel rule, engineers square, scribe, centre punch					Tea Light
20	3.01.25	Shape and drill metal. Properties & characteristics of aluminium. The reasons why we chose Aluminium for our tea lights.					Tea Light
21	10.02.25	Finish and Assemble - Methods used to remove scratches. Ensure quality of finish.					Tea Light
Half Term							
22	24.02.25	Pause and RAP					
23	3.03.25	Introduction to Project - Skoolio - Difference between sketching and drawing. Techniques used to improve sketching				Isometric Drawing	Sketching and drawing skills
24	10.03.25	Motion and mechanisms - the purposes of mechanisms is to either improve mechanical advantage or change one for of motion to another.					Card Model
25	17.03.25	Forces and mechanisms - different forces that can impact a products ability to function. Cams and linkages help change one type of motion to another.					Card Model
26	24.03.25	What is Textiles? There are natural and sythetic fibres. Each fibre has specific properties. They are processed and woven into yarns.				Data Drop	Textiles - Plush
27	31.03.25	Assembling Fabrics - Farics can be bonded woven and stiched together using a range of techniques.					Textiles - Plush
Easter							
28	21.04.25 (BH)	Exam revision					
29	28.04.25	Annual Exams				Annual Exams	
30	06.05.25 (BH)	Annual Exams				Annual Exams	
31	12.05.25	RAP/Address miscoceptions					
32	19.05.25	Plush Specification - aspecification is a lot of criteria that your designs and final product need to meet.					Textiles - Plush
Half Term							
33	2.06.25	Plush Design Sheet - Design creative ideas that take I consideration of the brief and specification.				Initial Designs	Textiles - Plush
34	9.06.25	Plush Practical - Use three different types of stitching to produce your product.					Textiles - Plush
35	16.06.25	Evaluation - what has gone well so far? What do I need to do to improve it? Does it fit my specifiacion criteria?					Textiles - Plush
36	23.06.25	Plush Finish & Evaluate final prodcut. The specification is a good tool to judge your final product against.					Textiles - Plush
37	30.07.25	Introduction to polymers - Thermoplastics are different from thermosetting plastics.				Data drop	Keyring
38	7.07.25	Polymers - Polymers can be bent, moulded and shaped using different techniques and methods.					Keyring
39	14.07.25	Activities Week					

### Year 7 Assessment Progress Tracker 2024-2025

Name:		Key Constructs:
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Subject Target		EOYE	Design
	Flightpath	BFL	Make
Autumn			Evaluate
Spring			Knowledge
Summer			

Date	Assessment	Grade	B4L	Date	Assessment	Grade	B4L
04.09.23	Baseline Test			3.03.25	Isometric Drawing		
7.10.24	Knowledge - What I know now			06.05.25 (BH)	Annual Exam		
9.12.24	Product Evaluation - Christmas Tree			19.05.25	Initial Designs - Plush		
20.01.25	Product Analysis Tea Light						

## Year 8 Learning Journey 2024-2025

Wk	Date	Design	Make	Evaluate	Knowledge	Assessment	Project
1	5.09.24	Understanding construction and carpentry - What is a working drawing and what is it used for?					Trivet
2	9.09.24	Isometric drawing - Understanding how to communicate designs to clients.					Trivet
3	16.09.24	Trivet frame - Cutting timber to required size. Use of measuring and marking tools. How to make a lap joint.					Trivet
4	23.09.24	Joints - What are the different wood joint? Joints are used to make products stronger and can add aesthetic qualities to a piece of wood work.					Trivet
5	30.09.24	Trivet frame - Complete 4 lap joints. Quality control checks to ensure cuts are accurate and frame is square.				Practical Assess't	Trivet
6	7.10.24	Trivet frame - Complete 4 lap joints. Quality control checks to ensure cuts are accurate and frame is square.					Trivet
7	14.10.24	Trivet frame - Use of the plane. Mark and cut cross halving joint and assemble using counter sunk screws					Trivet
8	21.10.24	Contingency - Completion of trivet frame. Photo of completed work attached in their book					Trivet
Half-term							
9	4.11.24	Introduction to Designers - Yinka Ilori / Rei Kawakubo / Karim rashid.					Designers Research
10	11.11.24	Designer Research - Designers work can be used to influence my own. Where are they from? What do they do? What are their influences? How would you describe their style of work?					Designers Research
11	18.11.24	Pause and RAP					Designers Research
12	25.11.24	Introduction to the prooject. Use the specification to create unique designs. Peer assessment to identify areas for development					Acrylic Flower Vase
13	2.12.24	Card Modelling of chosen design - Understand design limitations and material constraints.				Data Drop	Acrylic Flower Vase
14	9.12.24	Polymers Theory - Polymers are syntheyic plastics. There are two types of polymers. Polymers have different working properties.					Acrylic Flower Vase
15	16.12.24	Polymer Theory - Polymer origins, envirnemntal impact. Pros and cons of using polymers.					Acrylic Flower Vase
Christmas							
16	6.01.25	Practical - Making Vase - Bending and shaping of acrylic. Fixing acrylic to acrylic using solvent cement. Picture of completed product.					Acrylic Flower Vase
17	13.01.25	Contingency time - revision - assessment				Polymer knowledge assessment	Acrylic Flower Vase
18	20.01.25	Finish vase and Evaluation - ACCESS FAME					Acrylic Flower Vase
19	27.01.25	Introduction - marking aluminium - use of metal working tools - H&S, Categories of tools (measuring/marking/cutting/shaping/holding/finishing)					Tic Tac Toe
20	3.02.25	Metal types - ferrous and Non-Ferrous and their differences. Working properties. Forces and stresses.					Tic Tac Toe
21	10.02.25	Practical - Tollerances - All measurements are within +/- 1mm. Centre punch & Drill. File and clean up aluminium					Tic Tac Toe
Half-term							
22	24.02.25	Practical - Drill & Finish - Evaluation against manufacturing specification				Evaluation on metals Assessment	Tic Tac Toe



13.01.25	Polymer knowledge assessment		19.05.25	Assessment - Practical outcome.	
24.02.25	Evaluation on metals Assessment		16.06.25	Mechanisms assessment	
17.03.25	Day of the Dead - Design page				

## Year 9 Learning Journey 2024-2025

<i>Wk</i>	<i>Date</i>	<i>Design</i>	<i>Make</i>	<i>Knowledge</i>	<i>Evaluate</i>	<i>Assessment</i>
1	5.09.24	Introduction to the Lego person project				
2	9.09.24	Create a range of ideas/characters. How can we use a theme to appeal to a specific target market?				
3	16.09.24	Measure, mark and cut the body of the Lego person. Manufacturers need to use tools and equipment to ensure accuracy. Jigs are also used to speed up				
4	23.09.24	Lego person – Head. The use of laser cutters can help us ensure accuracy. It is also important to minimise the amount of waste from materials.				
5	30.09.24	Lego person – Legs. Following working drawings will ensure that all parts are accurate and the same.				Accuracy of practical tasks.
6	7.10.24	Lego person – Legs. Adhesives are used to fix materials together. PVA is best for fixing wood to another wood.				
7	14.10.24	Lego person – Arms. Shaping and removing wood can be achieved by using various methods.				
8	21.10.24	Lego Person - Assembly				
Half-term						
9	4.11.24	Evaluation of Project. Assessing the final outcome of a prototype is important. This is where we can identify problems and understand how we can improve next time.				
10	11.11.24	Polymers - origins, processing and types of polymers				Polymers knowledge test.
11	18.11.24	Bending & Shaping Polymers - There are various manufacturing techniques when working with polymers.				
12	25.11.24	Lighting - Task Analysis - Designers can influence our own ideas.				
13	2.12.24	Questionnaire – Product analysis. Research is important to help designers understand trends, influences and cultures.				Data Drop
14	9.12.24	Mark out lengths. Cut joints. Joints are used to make a product stronger and improve its aesthetics.				Primary Research - Questionnaires
15	16.12.24	Assemble and Finish. Following a structured sequence of processes help achieve a quality outcome.				
Christmas						
16	6.01.25	Introduction to smart materials. Smart materials have properties which change reversibly				
17	13.01.25	Design and make Cyanotype image for the top of the box. UV rays can be used to create amazing images.				
18	20.01.25	Electronics applies the principles of physics to design, create, and operate devices.				
19	27.01.25	Mark out & assemble. Every circuit has an input, process and an output component.				
20	3.01.25	Solder and final assembly				
21	10.02.25	Pause / Contingency lesson				
Half-term						
22	24.02.25	Evaluate final outcome of your light box.				Final Product Evaluation
23	3.03.25	Analyse context/user identification/impact on society. It is important to consider the wants & needs of your client and consumer.				

24	10.03.25	Write design brief and adjust/add to specification. A brief help understand what the product is for and what it needs to do.	Brief & Specification
25	17.03.25	Mark and measure frame for camper van cut joints and assemble. Developing workshop skills to create a product.	
26	24.03.25	Continue with joints and assemble. Developing workshop skills to create a product.	Data Drop
27	31.03.25	EOYE Prep	
Easter			
28	21.04.25 (BH)	EOYE Prep	
29	28.04.25	EOYE Prep/ EOYE's	EOYE
30	06.05.25 (BH)	EOYE	EOYE
31	12.05.25	EOYE RAP - addressing misconceptions	
32	19.05.25	Pause / Contingency lesson	
Half-term			
33	2.06.25	Research a designer – Generate design ideas. How can the work of other designers influence your own?	
34	9.06.25	Develop design ideas. 2D campervan net. Develop your CAD skills to improve the aesthetics of your product.	
35	16.06.25	Continue with development using CAD.	Designing using CAD
36	23.06.25	Evaluate designs. Feedback from others is important. This is a chance to address any problems and make modifications before going into productions.	
37	30.07.25	Cut out nets - Computer aided manufacturing is used to create products at speed, to ensure quality and within tolerance.	Data Drop
38	7.07.25	Evaluation of the campervan.	
39	14.07.25	Activities Week	

### Year 9 Assessment Progress Tracker 2024-2025

Name:			Key Constructs:	
Subject Target		EOYE	AO1	Design
	Flightpath	BFL	AO2	Make
Autumn			AO3	Evaluate
Spring			AO4	Knowledge
Summer				

Date	Assessment	Grade	B4L	Date	Assessment	Grade
30.09.24	Accuracy of practical tasks.			24.02.25	Final Product Evaluation	

<b>11.11.24</b>	Polymers knowledge test.			<b>10.03.25</b>	Brief & Specification
<b>9.12.24</b>	Primary Research - Questionnaires			<b>16.06.25</b>	Designing using CAD
				<b>06.05.25 (BH)</b>	EOYE





Camper Van
Camper Van
Camper Van
Exams
Exams
Exams
Camper Van
Camper Van
Camper Van
Camper Van
Camper Van
Camper Van

<b>B4L</b>


## Year 10 Learning Journey 2024-2025

Wk	Date	Identify & Investigate	Design & Make	Demonstrate & Apply Knowledge	Analyse and Evaluate		
		<i>Single</i>				<i>Assessment</i>	<i>Project</i>
1	5.09.24	Production of paddle boat - understand and interpreting working drawings, manufacturing specification and tollerances					Paddle Boat
2	9.09.24	Making - Accuracy of marking out and measuring. Understanding and using marking tools on wood					Paddle Boat
3	16.09.24	Making - Drilling and mortising. Machinery safety and the use of a mortiser					Paddle Boat
4	23.09.24	Complete making - Cutting & shaping of wood. Applying finishes. Understanding the need for finishes on wood.				Practical Assessment	Paddle Boat
5	30.09.24	Cable Tidy- Introduction to the project and understand the NEA. Understanding of how the NEA templates work. Task analysis					Cable Tidy
6	7.10.24	Identifying and Investigating - Understand who the target market is. Profile intended user and research the work of other designers.					Cable Tidy
7	14.10.24	Carry out product analysis. How can current trend and products help us with our own ideas?					Cable Tidy
8	21.10.24	Develop a design brief and produce a specification based on the research you have carried out.					Cable Tidy
Half-term							
9	4.11.24	Develop design ideas for your cable tidy. Think about the needs of the user.					Cable Tidy
10	11.11.24	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	18.11.24	Evaluation of your final product. Does your product meet you specification criteria?				Cable Tidy Evaluation	Cable Tidy
12	25.11.24	Project introduction - Understanding working drawings and dimenssions. Wood joints are used for function and aesthetics. There are two types of wood joints: Frame and Carcass. Mark up finger joints. Take photos					Moneybox
13	2.12.24	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				Data Drop	Moneybox
14	9.12.24	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
15	16.12.24	Practical - router the sides and assemble together. veneers are used on surfaces to improve their aesthetic properties. Take photos					Moneybox
Christmas							
16	6.01.25	Update making diary and Evaluate outcome. Project assessment - Joints, orthographic drawings, manufacturing processes, veneering.				Knowledge assessment	Moneybox
17	13.01.25	RAP assessment, complete making diary and product.					Moneybox
18	20.01.25	introduce project 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	27.01.25	Understand who your target market is. Anthorpometrics and ergonmincs are important aspects of a product. Ensure your product meets their requirements and develop a Specifcation.					Flat Pack Furniture
20	3.02.25	Generate initial ideas for your product. Use sketches to make a range od conceptual ideas, keeping in mind your specification criteria.				Flat Pack Designs	Flat Pack Furniture
21	10.02.25	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 ergonmics are considered.					Flat Pack Furniture
Half-term							
22	24.02.25	Finanalise 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	3.03.25	modelling is used to see the designers 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	10.03.25	Designers will notice aspects of their model that needs improvements. Further development is required to refine the protype before it is made using the intended materials. Use CAD & CAM to improve you cardboard models.					Flat Pack Furniture
25	17.03.25	Design development continued - modelling					Flat Pack Furniture
26	24.03.25	2D design. Cut - Assemble - Evaluate				Data Drop	Flat Pack Furniture

27	31.03.25	FP Electronics - Understanding input-process-output	Evaluate Designs	Electronics T/CAD
Easter				
28	21.04.25	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	28.04.25	FP Metals - Metals can be bent shaped and manipulated to create products or components.		Metals
30	06.05.25	FP Metals - Metals are selected based on their working and physical properties.	Electronics and Metals assessment	Metals
31	12.05.25	FP Metals / EOYE prep		Metals
32	19.05.25	Contingency - Pause Lesson / EOYE prep		
Half-term				
33	2.06.25	Context Analysis / EOYE prep		NEA Project
34	9.06.25	Context Analysis / EOYE prep		NEA Project
35	16.06.25	Annual Exam	Annual Exam	
36	23.06.25	Annual Exam	Annual Exam	
37	30.07.25	Target Market & Client Profile		NEA Project
38	7.07.25	Target Market & Client Profile	Data Drop	NEA Project
39	14.07.25	Work experience		

### Year 10 Assessment Progress Tracker 2024-2025

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

Date	Assessment	Grade	B4L	Date	Assessment	Grade	B4L
23.09.24	Practical Assessment - Paddle boat			3.03.25	Modelling Design Ideas		
18.11.24	Cable Tidy Evaluation			24.03.25	Evaluate Designs		
6.01.25	Knowledge assessment on content learnt from the Moneybox			06.05.25	Electronics and Metals assessment		
3.02.25	Flat Pack Designs			23.06.25	Annual Exam		

## Year 11 Learning Journey 2024-2025

Wk	Date	Identify & Investigate	Design & Make	Analyse & Evaluate	Knowledge	Project Section
		NEA			Theory Lesson	
1	5.09.24	Identifying /Investigating Design Possibilities – Social, Moral, Environmental issues with producing a new product.		Environmental impacts of materials. 6 R's		A
2	9.09.24	Identifying & Investigating Design Possibilities – Research work of other designers. How can their work influence your own?		People influences on products - Technology push/market pull		A
3	16.09.24	Identifying & Investigating Design Possibilities – Summarise all research. How is this information going to support your own designs?		primary and secondary data to understand clients/users needs	Section A Deadline	A
4	23.09.24	Design Brief and Design Specification - Use the research to support your statement of design intentions		Energy generation & Storage		B
5	30.09.24	Design Brief and Design Specification - Use the research to support your statement of design intentions		Mechanisms & Motions	Section B Deadline	B
6	7.10.24	Initial Design Ideas - come up with a range of contextual ideas that is inline with your design brief and specifiaction.		Forces and Stress		C
7	14.10.24	Initial Design Ideas - Analyse contextual ideas and build upon your more successful designs.		Production techniques & systems - automation, CAD/CAM FMS JIT		C
8	21.10.24	Developing design ideas - Using client feedback, identify and develop your best ideas into marketable products.		Mock Prep - Answer structure and comand words		C
Half Term						
9	4.11.24	Analysis of designs against key criteria of the specification.		Mock Prep - Walking talking past paper	Section C Deadline	C
10	11.11.24	Mocks		Mock		
11	18.11.24	Mocks		Mock		
12	25.11.24	Mocks		Mock		
13	2.12.24	Final Design Development - Using working drawings and diagrams, demonstrate how your product would be made and function. Refer back to Spec and research.		Isometric and 2 point persepective drawing techniques		D
14	9.12.24	Modelling of chosen design - Using materials develop a 3D model of your intended product. Get client feedback to understand further developments that are needed		Surface finishes for different materials	Mock reults/Data Drop.	D
15	16.12.24	Further modelling including suggested developments from your client.		Materials and their working properties - Woods		D
Christmas						
16	6.01.25	Ongoing research - investigate different materials that you could use for your product. Understand their physical and working properites and what is best suited for your product.		Development in new materials - Modern, Smart & Composite materials		D
17	13.01.25	Testing and investigating - Carry out tests to see what processes and materials are best suited for the function and aesthetics of your product. Gather client feedback.		Stock forms, types and sizes		D
18	20.01.25	CAD development - Finalise your product and produce a CAD drawing both 3D & 2D. Possibilities of using CAM to further test.		Use of CAD & CAM in manufacturing		D
19	27.01.25	Manufacturing specification - Set criteria for your final product to be tested against. Working drawings created, tollerances stated and material list made.		Orthogrpahic drawings, dimensions and tollerances	Section D Deadline	D
20	3.01.25	Manufacture of your prototype. Start making your chosen idea. Follow production plan.		Flow charts and quality control		E
21	10.02.25	Continue with making of your prototype.		Scales of production		E
Half-term						
22	24.02.25	Evaluation - Testing the product against the specification & Your own final anlysis of your completed prototype.		Section C of Exam - analysing products	Section E Deadline	F
23	3.03.25	Evaluation - Testing and analysing your product with your client and intended user.		Commercial Processes		F
24	10.03.25	Contingency			Section F Deadline	
25	17.03.25	Unit 3			Data Drop	
26	24.03.25	Unit 4				
27	31.03.25	Unit 5A			NEA Moderation	
Easter						
28	21.04.25	Unit 5B				
29	28.04.25	Unit 5C			NEA Marks Uploaded	
30	06.05.25	Exams				
31	12.05.25	Exams				

32	19.05.25	Exams				
Half-term						
33	2.06.25	Exams				
34	9.06.25	Exams				
35	16.06.25	Exams				
36	23.06.25					
37	30.07.25					
38	7.07.25					
39	14.07.25					

### Year 11 Assessment Progress Tracker 2024-2025

<b>Name:</b>			<b>Key Constructs:</b>			
<b>Subject Target</b>		EOYE	AO1	Identify & Investigate		
	Flightpath	BFL	AO2	Design & Make		
Autumn 1			AO3	Analyse & Evaluate		
Autumn 2						
Spring 1						
Spring 2			AO4	Demonstrate & Apply Knowledge		
Summer 1						
Summer 2						

<i>Date</i>	<i>Assessment</i>	<i>Grade</i>	<i>B4L</i>	<i>Date</i>	<i>Assessment</i>	<i>Grade</i>	<i>B4L</i>
16.09.24	Section A / 10			9.12.24	Section D / 20		
30.09.24	Section B / 10			20.01.25	Section E / 20		
21.10.24	Section C / 20			Section F Deadline	Section F / 20		