

Year 11 Learning Journey 2023-2024

Wk	Date	Identify & Investigate	Design & Make	Analyse & Evaluate	Knowledge	Project Section
		NEA			Theory Lesson	
1	04.09.23	Identifying /Investigating Design Possibilities – Social, Moral, Environmental issues with producing a new product.		Environmental impacts of materials. 6 R's		A
2	11.09.23	Identifying & Investigating Design Possibilities – Research work of other designers. How can their work influence your own?		People influences on products - Technology push/market pull primary and secondary data to understand clients/users needs		A
3	18.09.23	Identifying & Investigating Design Possibilities – Summarise all research. How is this information going to support your own designs?		Energy generation & Storage	Section A Deadline	A
4	25.09.23	Design Brief and Design Specification - Use the research to support your statement of design intentions		Mechanisms & Motions		B
5	02.10.23	Design Brief and Design Specification - Use the research to support your statement of design intentions		Forces and Stress	Section B Deadline	B
6	09.10.23	Initial Design Ideas - come up with a range of contextual ideas that is inline with your design brief and specification.		Production techniques & systems - automation, CAD/CAM FMS JIT		C
7	16.10.23	Initial Design Ideas - Analyse contextual ideas and build upon your more successful designs.				C
Half Term						
8	30.10.23	Developing design ideas - Using client feedback, identify and develop your best ideas into marketable products.		Mock Prep - Answer structure and comand words		C
9	06.11.23	Analysis of designs against key criteria of the specification.		Mock Prep - Walking talking past paper	Section C Deadline	C
10	13.11.23	Mocks		Mock		
11	20.11.23	Mocks		Mock		
12	27.11.23	Mocks		Mock		
13	04.12.23	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	11.12.23	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
Christmas						
15	02.01.24	Further modelling including suggested developments from your client.		Materials and their working properties - Woods		D
16	08.01.24	Ongoing research - Investigate diffenet 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	15.01.24	Testing and investigating - Carry out tests to see what processes and materials are best suited for the function and		Stock forms, types and sizes		D
18	22.01.24	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	29.01.24	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	05.02.24	Manufacture of your prototype. Start making your chosen idea. Follow production plan.	Flow charts and quality control		E
Half-term					
21	19.02.24	Continue with making of your prototype.	Scales of production		E
22	26.02.24	Evaluation - Testing the product against the specification & Your own final analysiis of your completed prototype.	Section C of Exam - analysing products	Section E Deadline	F
23	04.03.24	Evaluation - Testing and analysing your product with your client and intended user.	Commercial Processes		F
24	11.03.24	Contingency		Section F Deadline	
25	18.03.24	Unit 3 Revision		Data Drop	
26	27.03.24	Unit 4 Revision			
Easter					
27	17.04.24	Unit 5A Revision		NEA Moderation	
28	24.04.24	Unit 5B Revision			
29	02.05.24	Unit 5C Revision		NEA Marks Uploaded	
30	08.05.24	Exams			
31	15.05.24	Exams			
32	22.05.24	Exams			
Half-term					
33	05.06.24	Exams			
34	12.06.24	Exams			
35	19.06.24	Exams			

Year 11 Assessment Progress Tracker 2023-24

Name:			Key Constructs:	
Subject Target		EOYE	AO1	Identify & Investigate
Flightpath		BFL	AO2	Design & Make
Mock results / Data Drop.			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>
18.09.23	Section A / 10			11.12.23	Section D / 20		
02.10.23	Section B / 10			22.01.24	Section E / 20		
30.10.23	Section C / 20			Section F Deadline	Section F / 20		