

Year 11 Design Technology Long-Term Plan 2024-25

Temperance Term

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	
Topic	Introduction to Y11 GCSE DT	NEA: Developing Prototype ONE					Respond to Feedback and End of Term Test	
Challenge Objective and Content (for all learners) (AO1-3 two lessons per week) (AO4 one lesson per week)	Introduction to the workshop <ul style="list-style-type: none"> Bench expectations Introduction of Y11 GCSE DT <ul style="list-style-type: none"> Using the sketchbook and Book-Smart Revision Notes and where to store them Roadmap of Y11 Key dates discussed Submitting Page 3 of the NEA for formative feedback FPT: Production Lines <ul style="list-style-type: none"> Revisit QA and QC Explore QA and QC tools Mock production line: personalise toilet roll Reviewing and improving production lines 	NEA Page 1 - Context <ul style="list-style-type: none"> Content of page 1 Exploring the context: possibilities and problems Explaining the problem: background story Presenting page 1 	NEA Page 2 – Client Interview and Profile <ul style="list-style-type: none"> Content of page 2 Choosing a client and customer-group Creating a Client Profile Planning a client interview Presenting page 2 	NEA Page 5 – Design Brief <ul style="list-style-type: none"> Content of page 5 Revisit the draft Brief Presenting page 5 	NEA Page 7 – Client Design <ul style="list-style-type: none"> Content of page 7 In turns, design for each student in the class Analyse and evaluate the designs Presenting page 7 	NEA Page 11 – Prototype ONE <ul style="list-style-type: none"> Content of page 11 Identify suitable modelling materials: CAD, compliant or resistant Model prototype ONE Presenting page 11 	NEA Section 1 Review <ul style="list-style-type: none"> Book Smart Read Teacher feedback Improve work 	
	Introduction to the June Mock Exam <ul style="list-style-type: none"> Exam topic list for December Mock Mock exam keyword list How to research keywords: definitions, revision cards and writing exam questions 	AO4 Woods <ul style="list-style-type: none"> Keyword list: Wood tools Exam question: planning manufacture of a wood joint 	AO4 Woods <ul style="list-style-type: none"> Keyword list: Wood types Exam question: selecting woods 	AO4 Woods <ul style="list-style-type: none"> Keyword list: Wood shaping Exam question: how wood is shaped 	AO4 Woods <ul style="list-style-type: none"> Keyword list: Wood joining Exam question: Joining wood 	AO4 Woods <ul style="list-style-type: none"> Keyword list: Wood Finishes and treatments Exam question: Adding a finish 	AO4 End of Topic Test: Woods <ul style="list-style-type: none"> Exam question: Covering wood keywords 	
Inspire Opportunities	Jig to aid printing and accuracy Homework: Ensure that page 3 is complete and Y10 mock intervention is completed	Page 1 on target Homework 1: Page 1 Homework 2: Wood keyword definitions	Page 2 on target Homework 1: Page 2 Homework 2: Wood keyword definitions	Page 5 on target Homework 1: Page 5 Homework 2: Wood keyword definitions	Page 1 on target Homework 1: Page 7 Homework 2: Wood keyword definitions	Page 1 on target Homework 1: Page 11 Homework 2: Wood keyword definitions	Section 1 on target Homework 1: Corrections made to end of topic test	
Assessment	Verbal Feedback (VF), Self-Assessment (SA), Peer-Assessment (PA) and end of section assessment Teacher Assessment (TA) and online quizzes							

HALF TERM

W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Topic	NEA: Developing Prototype TWO				NEA suspended Mock 2	
Challenge Objective and Content (for all learners) (AO1-3 two lessons per week) (AO4 one lesson per week)	NEA Page 4 – Material and Processes Investigation <ul style="list-style-type: none"> Content of page 4 Explore suitable materials Explore suitable processes Presenting page 4 	NEA Page 6 - Specification <ul style="list-style-type: none"> Content of page 6 Identify specifications from the research Presenting page 6 	NEA Page 8 – Themed Design <ul style="list-style-type: none"> Content of page 8 Identify a theme and designer Gather inspiration research Design using research Analyse and evaluate the designs Presenting page 8 	NEA Page 12 – Prototype TWO <ul style="list-style-type: none"> Content of page 12 Identify suitable modelling materials: CAD, compliant or resistant Model prototype TWO Analyse and evaluate the prototype Presenting page 12 	Revising and doing Mock 2 <ul style="list-style-type: none"> Mock 2 completed Mock 2 marked, gap analysis completed and 1:1 student meeting to give results and create individual intervention plans 	
	AO4 Metals <ul style="list-style-type: none"> Keyword list: Metal tools Exam question: Marking out shapes 	AO4 Metals <ul style="list-style-type: none"> Keyword list: Metal types Exam question: selecting metals 	AO4 Metals <ul style="list-style-type: none"> Keyword list: Metal shaping Exam question: how metal is shaped 	AO4 Metals <ul style="list-style-type: none"> Keyword list: Metal joining Exam question: Joining metal 	AO4 Metals <ul style="list-style-type: none"> Keyword list: Metal Finishes and enhancement Exam question: Adding a finish and enhancing metal 	AO4 End of Topic Test: Metals <ul style="list-style-type: none"> Exam question: Covering metal keywords

CHRISTMAS



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Inspire Opportunities	Page 4 on target Homework 1: Page 4 Homework 2: Metal keyword definitions	Page 6 on target Homework 1: Page 6 Homework 2: Metal keyword definitions	Page 8 on target Homework 1: Page 8 Homework 2: Metal keyword definitions	Page 4 on target Homework 1: Page 12 Homework 2: Metal keyword definitions	Hit target grade Homework: Revision	
Assessment	Verbal Feedback (VF), Self-Assessment (SA), end of section assessment Teacher Assessment (TA) and online quizzes				TA and SA Online quizzes and walking-talking exams	

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Justice Term

W/C	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	HALF TERM
Topic	NEA: Developing Prototype THREE		NEA: Developing Prototype FOUR		NEA: Planning production	Respond to Feedback and End of Term Test	
Challenge Objective and Content (for all learners)	NEA Page 9 – Specification <ul style="list-style-type: none"> Content of page 9 Confirm top 5 specifications Design solutions to the specifications Analyse and evaluate the designs Presenting page 9 	NEA Page 13 – Prototype THREE <ul style="list-style-type: none"> Content of page 13 Identify suitable modelling materials: CAD, compliant or resistant Model prototype THREE Analyse and evaluate the prototype Presenting page 13 	NEA Page 10 – Glitch Design <ul style="list-style-type: none"> Content of page 10 Identify glitches with previous prototypes Design to solve each glitch Analyse and evaluate the designs Presenting page 10 	NEA Page 14 – Prototype FOUR <ul style="list-style-type: none"> Content of page 14 Identify suitable modelling materials: CAD, compliant or resistant Model prototype FOUR Analyse and evaluate the prototype Presenting page 14 	NEA Page 15 – Working Drawing <ul style="list-style-type: none"> Content of page 15 CAD drawing of final product Present page 15 NEA Page 16 – Manufacturers Specification <ul style="list-style-type: none"> Content of page 16 Making plan QA and QC revisited Making QA and QC devices Present page 16 	NEA Section 2 and 3 Review <ul style="list-style-type: none"> Book Smart Read Teacher feedback Improve work 	
	AO4 Polymers <ul style="list-style-type: none"> Keyword list: Polymer tools Exam question: Marking out shapes 	AO4 Polymers <ul style="list-style-type: none"> Keyword list: Polymer types Exam question: selecting Polymer 	AO4 Polymers <ul style="list-style-type: none"> Keyword list: Polymer shaping Exam question: how Polymer is shaped 	AO4 Polymers <ul style="list-style-type: none"> Keyword list: Polymer joining Exam question: Joining Polymer 	AO4 Polymers <ul style="list-style-type: none"> Keyword list: Polymer Finishes and enhancement Exam question: Adding a finish and enhancing Polymer 	AO4 End of Topic Test: Polymers <ul style="list-style-type: none"> Exam question: Covering Polymer keywords 	
Inspire Opportunities	Page 8 on target Homework 1: Page 9 Homework 2: Polymer keyword definitions	Page 4 on target Homework 1: Page 13 Homework 2: Polymer keyword definitions	Page 8 on target Homework 1: Page 10 Homework 2: Polymer keyword definitions	Page 4 on target Homework 1: Page 14 Homework 2: Polymer keyword definitions	Page 4 on target Homework 1: Page 12 Homework 2: Polymer keyword definitions	Section 2 and 3 on target Homework 1: Corrections made to end of topic test	
Assessment	Verbal Feedback (VF), Self-Assessment (SA), Peer-Assessment (PA) and end of section assessment Teacher Assessment (TA) and online quizzes						

W/C	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25	EASTER
Topic	NEA: Making the Final Product				NEA: Testing and Evaluating the Final Product		
Challenge Objective and Content (for all learners)	Section 4: Final prototype <ul style="list-style-type: none"> Making the final prototype Collecting evidence of high-quality manufacture Content of Page 17 – Evidence of high quality making Content of Page 18 – Making a marketable product 				Section 5: Testing and Evaluate <ul style="list-style-type: none"> Content of Page 19 – Testing the final product Plan how to test the final prototype: by the client and self Complete testing: client and self Content of Page 20 – Evaluating the final product Evaluating the final prototype 		
	AO4 Textiles <ul style="list-style-type: none"> Keyword list: Textiles tools Exam question: Marking out shapes 	AO4 Textiles <ul style="list-style-type: none"> Keyword list: Textiles types Exam question: selecting Textiles 	AO4 Textiles <ul style="list-style-type: none"> Keyword list: Textiles shaping Exam question: how Textiles are shaped 	AO4 Textiles <ul style="list-style-type: none"> Keyword list: Textiles joining Exam question: Joining Textiles 	AO4 Textiles <ul style="list-style-type: none"> Keyword list: Textiles Finishes and enhancement Exam question: Adding a finish and enhancing Textiles 	AO4 End of Topic Test: Textiles <ul style="list-style-type: none"> Exam question: Covering Textiles keywords 	
Inspire Opportunities	Page 17 on target Homework 1: Page 17 Homework 2: Textile keyword definitions		Page 18 on target Homework 1: Page 18 Homework 2: Textile keyword definitions		Page 19 on target Homework 1: Page 19 Homework 2: Textile keyword definitions	Page 20 on target Homework 1: Page 20 Homework 2: Textile keyword definitions	
Assessment	Verbal Feedback (VF), Self-Assessment (SA), Peer-Assessment (PA) and end of section assessment Teacher Assessment (TA) and online quizzes						

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Courage Term

W/C	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	HALF TERM	
Topic	NEA: Responding to Feedback and Submission		Summer Exam					
Challenge Objective and Content (for all learners)	NEA Feedback		Bespoke Revision					
	<ul style="list-style-type: none"> Read teacher feedback Respond to feedback Submit NEA 	<ul style="list-style-type: none"> Practical tasks for 5 material groups to revisit manufacturing techniques Revising for the summer exam Walking talking test papers 	<p>AO4 Papers and Cards</p> <ul style="list-style-type: none"> Keyword list: Paper/card tools Exam question: Marking out shapes 	<p>AO4 Papers and Cards</p> <ul style="list-style-type: none"> Keyword list: Paper/card types Exam question: selecting Paper/card 	<p>AO4 Papers and Cards</p> <ul style="list-style-type: none"> Keyword list: Paper/card shaping Exam question: how Paper/card are shaped 	<p>AO4 Papers and Cards</p> <ul style="list-style-type: none"> Keyword list: Paper/card joining Exam question: Joining Paper/card 		<p>AO4 Papers and Cards</p> <ul style="list-style-type: none"> Keyword list: Paper/card Finishes and enhancement Exam question: Adding a finish and enhancing Paper/card
Inspire Opportunities	NEA on Target Homework: Amend and complete any coursework		Revise for the exam					
Assessment	Teacher Assessment							

W/C	Week 32	Week 33	Week 34	Week 35	Week 36	Week 37	SUMMER
Topic	Year 11 Summer Exams						
Challenge Objective and Content (for all learners)							
Inspire Opportunities							
Assessment							