

Year 11 Design Technology Long-Term Plan 2026-27

Autumn Term

W/C	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	HALF TERM
Topic	Introduction to Y11 GCSE DT	NEA: Investigation and design						
Challenge Objective and Content (for all learners) (AO1-3 / NEA two lessons per week) (AO4 one lesson per Fortnight)	Introduction to Y11 GCSE DT - Roadmap of Y11 - Key dates discussed NEA Complete client profile NB. This is a continuation of work completed towards NEA in Year 10 - <i>NEA Page 1 - Context</i> - Content of page 1 - Exploring the context: possibilities and problems - Explaining the problem: background story <i>NEA Page 2 – Client Interview and Profile</i> - Choosing a client and customer-group - Creating a Client Profile - Planning a client interview	NEA PAGE 3 – Investigating similar products - Content of page 5 - Analyse and evaluate existing products	NEA PAGE 4 – Investigating materials, components and Manufacturing processes. - Content of page 4 - Explore suitable materials - Explore suitable processes - Presenting page 4	NEA Page 5 – Design Brief - Content of page 5 - Revisit the draft Brief - Presenting page 5 INVESTIGATION AND RESEARCH - DEADLINE 25/09/26	NEA Page 5/6 - Design Brief Specification - Content of page 6 - Identify specifications from the research - Presenting page 6	NEA Page 6 - Specification - Content of page 6 - Identify specifications from the research - Presenting page 6 DEADLINE- DESIGN BRIEF AND SPECIFICATION– 16/10/26	NEA Section 1 Review - Read Teacher feedback - Improve work NEA Page 7 – Client Design - Content of page 7 - In turns, design for each student in the class - Analyse and evaluate the designs - Presenting page 7	
	Introduction to the Mock Exam - Exam topic list for December Mock - Mock exam keyword list - How to research keywords: definitions, revision cards and writing exam questions	AO4 Materials & their properties Homework task: Create a comparison table for timber, metals, polymers, papers & boards and textiles. Complete 15 retrieval questions/ seneca task.		AO4 Woods - Keyword list: Wood shaping - Exam question: how wood is shaped - Keyword list: Wood joining - Exam question: Joining wood		AO4 Woods - Keyword list: Wood Finishes and treatments - Exam question: Adding a finish AO4 End of Topic Test: Woods - 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							

W/C	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	CHRISTMAS
Topic	NEA: Developing Prototype TWO					NEA suspended Mock 2	

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Challenge Objective and Content (for all learners) (AO1-3 two lessons per week) (AO4 one lesson per week)	NEA Page 7 – Client Design - Content of page 7 - In turns, design for each student in the class - Analyse and evaluate the designs - Presenting page 7	• NEA Page 8 – Prototype ONE - Content of page 8 - Identify suitable modelling materials: CAD, compliant or resistant - Model prototype ONE - Presenting page 11	NEA Page 9 – Themed Design - Content of page 9 - Identify a theme and designer - Gather inspiration research - Design using research - Analyse and evaluate the designs - Presenting page 8	NEA Page 10 – Prototype TWO - Content of page 10 - Identify suitable modelling materials: CAD, compliant or resistant - Model prototype TWO - Analyse and evaluate the prototype - Presenting page 12	NEA Page 11 – Specification design - Content of page 11 - Confirm top 5 specifications - Design solutions to the specifications - Analyse and evaluate the designs - Presenting page 9	Revising and doing Mock 2 - Mock 2 completed - Mock 2 marked, gap analysis completed and 1:1 student meeting to give results and create individual intervention plans		
	AO4 Metals - Keyword list: Metal tools - Exam question: Marking out shapes	AO4 Metals - Keyword list: Metal types - Exam question: selecting metals	AO4 Metals - Keyword list: Metal shaping - Exam question: how metal is shaped	AO4 Metals - Keyword list: Metal joining - Exam question: Joining metal	AO4 Metals - Keyword list: Metal Finishes and enhancement - Exam question: Adding a finish and enhancing metal	AO4 End of Topic Test: Metals Exam question: Covering metal keywords		
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 13 – Prototype THREE - 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 - 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 - 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 - Content of page 15 - CAD drawing of final product - Present page 15 NEA Page 16 – Manufacturers Specification - Content of page 16 - Making plan - QA and QC revisited - Making QA and QC devices - Present page 16	NEA Section 2 and 3 Review - Book Smart - Read Teacher feedback - Improve work	
	AO4 Polymers - Keyword list: Polymer tools - Exam question: Marking out shapes	AO4 Polymers - Keyword list: Polymer types - Exam question: selecting Polymer	AO4 Polymers - Keyword list: Polymer shaping - Exam question: how Polymer is shaped	AO4 Polymers - Keyword list: Polymer joining - Exam question: Joining Polymer	AO4 Polymers - Keyword list: Polymer Finishes and enhancement - Exam question: Adding a finish and enhancing Polymer	AO4 End of Topic Test: Polymers 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	E A S T E R
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Topic	NEA: Making the Final Product				NEA: Testing and Evaluating the Final Product	
Challenge Objective and Content (for all learners)	Section 4: Final prototype - 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 - 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 - Keyword list: Textiles tools - Exam question: Marking out shapes	AO4 Textiles - Keyword list: Textiles types - Exam question: selecting Textiles	AO4 Textiles - Keyword list: Textiles shaping - Exam question: how Textiles are shaped	AO4 Textiles - Keyword list: Textiles joining - Exam question: Joining Textiles	AO4 Textiles - Keyword list: Textiles Finishes and enhancement - Exam question: Adding a finish and enhancing Textiles	AO4 End of Topic Test: Textiles 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 25	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 - Read teacher feedback - Respond to feedback - Submit NEA		Bespoke Revision - Practical tasks for 5 material groups to revisit manufacturing techniques - Revising for the summer exam - Walking talking test papers				
		AO4 Papers and Cards - Keyword list: Paper/card tools - Exam question: Marking out shapes	AO4 Papers and Cards - Keyword list: Paper/card types - Exam question: selecting Paper/card	AO4 Papers and Cards - Keyword list: Paper/card shaping - Exam question: how Paper/card are shaped	AO4 Papers and Cards - Keyword list: Paper/card joining - Exam question: Joining Paper/card	AO4 Papers and Cards - Keyword list: Paper/card Finishes and enhancement - Exam question: Adding a finish and enhancing Paper/card	AO4 Papers and Cards Exam question: Covering Textiles keywords	
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	SUMMER
Topic	Year 11 Summer Exams					
Challenge Objective and Content (for all learners)						
Inspire Opportunities						
Assessment						