

Year 11 (Design Technology)

Term	Topic	Knowledge	Skills
			Complex activity: Writing genre:
Autumn T1 Designing Principles	Investigating primary and secondary data The work of other (designers) The work of other (companies) Design strategies Communication of design ideas	Investigating sources of primary and secondary data The work of others to examine influential designers and design companies Design strategies Investigating the communication of design ideas, Drawing styles and Techniques Design Project	Contextual Research and analysis Technical analysis Iterative problem solving Creative experimentation and expression Client focussed design
Autumn T2 Making Principles	Selection of materials and components Tolerances Material management Tools, equipment, techniques and finishes Surface treatments and finishes	Analyse the functional need, cost and availability of materials required for prototype development Using appropriate tolerances when working. Material management skills Use of specialist tools and equipment Surface treatments and finishes for aesthetics and functionality	Technical analysis and evaluation Commercial process appreciation Applied mathematics Problem solving
Spring T1 NEA (Non-examined Assessment)	AO1 (Exploring the Context) AO2 (Design Brief and Specification AO3 (Initial Design Ideas) AO4 (Developing Design Ideas)	Identify design possibilities; investigate client needs, wants, and factors including economic and social challenges. Outline design possibilities by producing a design brief and design specification. Explore a range of possible ideas linking to the contextual challenge. Develop and refine design ideas Use range of appropriate materials/components to produce prototypes. Analyse and evaluate their work, using their decisions to improve outcomes	Contextual Research and analysis Technical analysis Iterative problem solving Creative experimentation and expression Client focussed design Technical analysis and evaluation Commercial process appreciation Applied mathematics Problem solving Testing and Evaluation
Spring T2 NEA (Non-examined Assessment)	AO5 (Realising Design Ideas) AO6 (Testing and Evaluation)		
Summer T1	Exam Preparation Exam Preparation Exam Preparation Exam Preparation GCSE Examinations		
Summer T2			

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