

Design & Technology KS5 Curriculum Overview

YEAR 12	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Food	Theory of Macro and Micro nutrients and advanced cooking skills	Consumer needs/Advanced cooking skills/Food safety level 2	Case Studies and Mock for Unit 1 C/W	Actual Unit 1	Revision and Case Studies for Section C of written exam (Unit 1)	Revision
Textiles	Theory: Design processes, Enterprise and marketing & Fashion Cycles. Practical: Life through a Lens	Theory: Design influences, Design theory, classification of fibres, smart materials, technical textiles. Practical: Bags project	Theory: Yarn production, mixtures and blends, understanding of fabrics – woven, knitted and non-woven, skills folder. Practical: Pattern drafting, design and make fashion project (tops)	Theory: Skills folder continued, industrial testing, fabric finishes. Practical: Design and make fashion project (tops)	Theory: Revision for mocks, Maths theory. Practical: Design project. Begin NEA coursework – research.	Theory: Revision for mocks, Maths theory. Practical: Design project. NEA coursework – design ideas.
Product Design	Theory	Theory	Theory	Theory	Theory	Theory
	Design & make project in liaison with Rainbows pre School. Produce an Educational resource to be used by the children.		Bus Shelter Project. & Williams F1 Design Challenge (Set by Williams Design Team)		Design Project set by Winning Moves Ltd Design 2 new sets of Top Trumps cards. Feedback by MD Tom Liddell.	

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YEAR 13	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Food	Mock Unit 3	Review Mock Unit 3 Start Actual Unit 3 (12 hours)	Start Unit 2 Theory of Microorganisms/ Effect of Food Quality/ Physiology of Food Intolerances and Allergens	Unit 2 Theory cont. Growth of micro-organisms in diff environments/ food hazards/ food safety Mock	Actual Unit 2 (8 hours)	Revision of Unit 1 retakes
Textiles	Theory: Design processes, enterprise and marketing, fashion cycles. Practical: NEA coursework - development	Theory: Design influences, design theory, developments in technology, scales of production, global production, product lifecycle, health & safety, use of ICT. Practical: NEA coursework - development	Theory: QC/QA, fabric finishes, printing, dyeing, Practical: NEA coursework - making	Theory: designers and their work, fibres and fabrics, smart materials, maths theory. Practical: NEA coursework – Evaluation and testing	Theory: Revision for Paper 1 & 2.	Theory: Revision for Paper 1 & 2.
Product Design	NEA Design & Make Coursework Project. Continue Designing	Theory/Exam Prep	Theory/Exam Prep	Theory/Exam Prep	Theory/Exam Prep	
		NEA Design & Make Coursework Project. Complete Designing	NEA Design & Make Coursework Project. Start Making	NEA Design & Make Coursework Project. Continue Making	NEA Design & Make Coursework Project. Complete making & Evaluation	

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