

Week		Year 7	Year 8	Year 9	Year 10	Year 11
1	T1a	Introduction to workshop facilities: Picture frame with Dowel Joints	Memphis clocks	Skill building mini projects: Poppies, Frames , phone stands, weaving	Year 10 Practical skills Building challenges: Freestanding cross, Timber based laminated leaves.	Non-examination Assessment (NEA) & Exam Preparation Students to undertake their NEA weekly with at least 1 theory based lesson to cover the content for the D&T exam. Theory content will also be covered in practical lessons through starter, discussions, experimentation and plenaries.
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7	T1b	Food: Introduction and hygiene	Graphics : Technical Drawing	Customised Speakers Project: CAD, Bespoke user centered design, Mini NEA practise	Lighting & Energy Sources: NEA Style project. Students to design their own lighting solution through thorough investigation of renewable energy sources. Students gaining experience of the independence required for the year 11 NEA and the independence needed to produce personal products which follow a thorough Digital Design Portfolio.	Exam Preparations: 50% of GCSE  Section A: Core Technical Principles  Section B: Specialist Technical Principles  Section C: Designing and Making Principles
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13	T2a	Textiles - East Asian inspired cushion	Nutrition and food 1	Alongside Digital Design Portfolio and practical work students will also cover theory on:  Materials and their working properties, Papers and boards, Natural and manufactured timbers, Metals and alloys, Polymers, Textiles, Industry and enterprise, Sustainability and the environment, People culture and, society, Production techniques and systems, Informing, design decisions, Through project work , Investigation of, primary and secondary data, Design Strategies Communication of design ideas and prototype development, Renewable energy, Materials, Industry, enterprise and sustainability, Design strategies and prototype development		
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19	T2b	Pop up books (sustainability focus)	Scrap wood challenge			
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25	T3a	Electronics - microcontrollers and mood lights	Mechanisms project	Inclusivity & Developments in new materials: Developing an enquiring mind via product design. Encouraging students to question, re think and design products that will lead to a more inclusive world. Looking at a variety of new and modern materials and how these can be used within product design. Modern Smart Composite Technical textiles Forces and stresses on materials and objects:	The work of others (studying other designers) Alessi Philippe Starck, Also Rossi, Marcel Breuer, Dyson, Under Armour. Textiles upcycling project	
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31	T3b	Food - basic cooking skills	Nutrition and food 2		Start of NEA project - Externally set by AQA. Worth 50% of final grade.	
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37			Year 10 Practical skills Building challenges: Freestanding cross, curved laminated leaves, upcycling textiles project	Lighting & Energy Sources: NEA Style project. Students to design their own lighting solution through thorough investigation of renewable energy sources. Students gaining experience of the independence required for the year 11 NEA and the independence needed to produce personal products which follow a thorough Digital Design Portfolio.		
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				Alongside Digital Design Portfolio and practical work students will also cover theory on:  Term 1: Materials and their working properties: Papers and boards Natural and manufactured timbers Metals and alloys Polymers Textiles  Term 2: Industry and enterprise Sustainability and the environment People culture and society Production techniques and systems Informing design decisions  Through project work: Investigation of primary and secondary data Design Strategies Communication of design ideas and prototype development Renewable energy  Materials Industry, enterprise and sustainability Design strategies and prototype development		