

KS4 Design and Technology

Y10					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<p>Students learn about how design affects society, what impacts industry has on the environment and what metals are and where they come from.</p> <p>Practically students will design and make a piece of jewellery using a Pewter (metal) and finish this to a high standard.</p>	<p>Students learn about finite and non-finite energy sources, production techniques and systems and about the categories of woods available to them.</p> <p>Practically students will design and make a former and mould using CAD/CAM and workshop tools and equipment to make a shaped piece of chocolate (Chocolate Mould)</p>	<p>Students learn about the categories of plastic, metals, smart materials and Composite Materials.</p> <p>Practically students will design and make a Phone Stand out of a plastic, cut, finish and bend this into shape.</p>	<p>Students learn about motions, levers, IPO components/systems and mechanisms.</p> <p>Practically students will design and make a Scare Box with moving parts and a mechanism. An object will jump out of the box once the lid on the box has been moved.</p>	<p>Students learn about, Timbers, Boards, Textiles and prepare and revise for their mock exams.</p>	<p>NEA (Non Exam Assessment)</p> <p>Students start the NEA which is worth 50% of their final grade.</p> <p>During this Term Students complete Section A; Identifying a Design Possibility (10 marks) and Section B; Design Brief and Specification (10 marks)</p>
Y11					
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
NEA (Non Exam Assessment)	NEA (Non Exam Assessment)	NEA (Non Exam Assessment)	NEA (Non Exam Assessment)	Unit 2 Exam Revision and Exam practice.	GCSE Exams

During this term students complete section C; Design Ideas (20 marks)	During this term students complete Section D; Design Development (20 marks)	During this term students complete section E; Making (20 marks)	During this term students complete section F; Evaluation and start revision for their Unit 2 Exam.		
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