

Year 8 - Design & Technology Curriculum Implementation Plan				
Knowledge and Skills – Students will be taught to...	Reading, Oracy, Literacy and Numeracy	Formative Assessment (Ongoing)	Summative Assessment (Middle and end of project)	Link to GCSE Content
<ul style="list-style-type: none"> • Respond to the overarching themes of Creativity, User Needs and Computer Aided Design and Manufacture (CAD/CAM) covered in all projects. • Respond to a context analysing the important factors. • Write a detailed Design Brief. • Undertake appropriate research. • Produce creative ideas that solve their brief. • Analyse ideas to explain their strengths and weaknesses. • Develop their chosen idea using a range of different techniques. • Use 2D design effectively to develop their idea. • Consider appropriate materials and processes to be used for the manufacture of their product • Develop their use of tools and processes in manufacture. • Demonstrate safe working practices. • Evaluate their product and suggest possible improvements. 	Reading <ul style="list-style-type: none"> • Written context. • Reading of gathered research prior to analysis. 	Questioning in lessons Whole class feedback Individual feedback in lessons Marking areas of focus and identifying areas for improvement. Peer and self-assessment of written work	Three Knowledge tests throughout the year focussing on: <ul style="list-style-type: none"> • Design Process • Materials • Manufacturing Processes • Equipment/Tools • Health and Safety Three marked D&T project tasks focussing on: <ul style="list-style-type: none"> • Analysis and Evaluation • Design and Development • Planning and Manufacture These three areas will be graded and the average used as students 'Working At' grade for D&T.	Assessment reflects the 50/50 weighting between coursework and exam. Developing ability to respond to exam questions building in complexity. Developing an iterative design process. Experiencing a wide range of material areas that can be focussed upon for GCSE courses. Developing the use of CAD/CAM required in GCSE NEA's Developing skills using hand tools. Demonstrate an understanding of Health and Safety working practice in different environments in D&T. Considering real world problems to solve and the ability to design to an overall theme.
	Numeracy <ul style="list-style-type: none"> • Measuring techniques to ensure accuracy. • Weighing appropriate ingredients. • Consider dimensions for the manufacture of their product. • Dimension CAD files. 			
	Oracy <ul style="list-style-type: none"> • Individual speaking: • Discussion of design work through peer feedback and through the evaluation of a product. 			