

GCSE Design & Technology Year 11	Curriculum Intent: GCSE Design and Technology will prepare students to participate confidently and successfully in an increasingly technological world. Students will gain awareness and learn from wider influences on Design and Technology including historical, social, cultural, environmental and economic factors. Students will get the opportunity to work creatively when designing and making and apply technical and practical expertise.																			
	This GCSE allows students to study core technical and designing and making principles, including a broad range of design processes, materials techniques and equipment. They will also have the opportunity to study specialist technical principles in greater depth. Through a range of pilot projects, students will get the opportunity to build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users.																			
	Term1					Term 2					Term 3									
	50% of GCSE NEA (35-40 hours)										50% of GCSE grade									
	NEA Coursework (35 hours)										Examination- Paper 1									
Interleaving	Designing and communication skills, manufacturing and production processes, materials and technologies, specialist technical principles																			
Practical Skills	Investigating, primary and secondary data Design strategies and communication of ideas (sketching, modelling and testing)			Prototype development and testing/evaluation Selection of materials and components Working drawings and Tolerances			Prototype/critical reflection Material management and tolerances Surface treatments and application			Idea Realisation, quality control and assurance Surface treatments and application Specialist processes and techniques			Exam practice and technique Revision skills and memory retrieval.							
Knowledge	Specialist Technical principles Designing and making principles			Specialist Technical principles Designing and making principles Material stock forms			Specialist Technical principles Designing and making principles			Specialist Technical principles Designing and making principles			Core Technical principles Specialist Technical principles Designing and making principles See Specification Content*							
Understanding	Design brief and specification			Specialist processes and techniques Prototype development Manufacturing efficiency			Critical reflection and modifications Specialist tools and equipment			The role of iterative design Evaluation and analysis			Core Technical principles Specialist Technical principles Designing and making principles Exam procedure and technique							
Skills	AO1		AO2		AO3	AO1		AO2		AO3	AO1		AO2		AO3	AO1		AO2		AO3
	Investigate/ Identify	Possibilities	Develop	Refine/realise	Analyse	Investigate	Possibilities	Develop	Refine/realise	Analyse	Investigate	Possibilities	Develop	Refine/realise	Analyse	Investigate	Possibilities	Develop	Refine/realise	Analyse
Assessment	Verbal feedback from teacher. Self and peer assessment. Group evaluation			Verbal feedback teacher. Self and peer assessment. Group evaluation			Verbal feedback from teacher on task tracker sheet. Self and peer assessment			Verbal feedback from teacher on task tracker sheet. Self and peer assessment.			RAG assessment, group and peer evaluation. Self-assessed and marking practice Exemplar questions and past papers							