

Year 11 Specification: AQA Resistant Materials

Autumn Term		Spring Term		Summer Term	
Half Term 1 Unit Title: Resistant Materials		Half Term 3 Unit Title: Resistant Materials		Half Term 5 Unit Title: Resistant Materials	
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Controlled Assessment Task	Controlled Assessment Task	Controlled Assessment Task	Exam Preparation	Exam Preparation	Exam
Project Brief and Specification	Development of design ideas	Health and Safety in the workshop	Walking talking mock	Manufacturing question format.	
3D Drawing. Analytical writing.	Orthographic Drawing	Use and understanding of tools, machinery and equipment.	How to complete design question	Sustainability	
CAD Modelling	Exploded drawings	Quality control checks and industrial processes	Understanding of the design specification.	Electronics, Mechanisms and Systems and Control	
Research of materials, finishes and joining methods	Manufacturing Specification	Understanding of commercial viability	Exam style questioning	Industrial processes	
Prototype Modelling	3D Printing.			Materials, finishes and joining methods.	
End of unit assessment: Exam style questions – 1hr		End of unit assessment: Mock Exam		End of unit assessment: Written two hour exam	