

## Engineering/ Resistant Material –Timelines 2016-2017

Year	Autumn term1	Autumn term2	Spring term1	Spring term2	Summer term1	Summer term2
11	New Technologies Life Cycle Assessment Car Engine Configurations <i>Vice Project Manufacturing Assessment</i>	Reducing Waste Renewable Energy Car Engine Assemblies <i>Vice Project Manufacturing Assessment</i> Machine Tool Theory Assessment	Car Engine Components <i>Vice Project Manufacturing Assessment</i> Machine Tool Theory Assessment Exam Revision Exam	Car Engine Component Manufacture <i>Vice Project Manufacturing Assessment</i> Machine Tool Theory Assessment	Car Engine Assessment Machine Tool Theory Assessment Exam Resits	Car Engine Assessment Machine Tool Theory Assessment
10	Manufacturing From Engineering Drawings <i>Vice Project Manufacturing Assessment</i> Materials Science	Manufacturing Methods and Processes <i>Vice Project Manufacturing Assessment</i> Working To Tolerances <i>Accuracy in Machining</i>	Materials Science <i>Vice Project Manufacturing Assessment</i>	Modern and Smart Materials <i>Vice Project Manufacturing Assessment</i>	Plastics and Polymers <i>Creating Reflective Surfaces On Manufactured Work</i> Surface Finishing <i>Vice Project Written Up</i>	Manufacturing Printed Circuit Boards Investigating Internal Combustion Engines Production Planning <i>Vice Project Written Up</i>

9	Engineering Professions Engineering Health and Safety Handtools Precision Benchwork Engineering Drawing Introduction to Welding Introduction to Machine Tools	CAD Welding Fabrication Working with Aluminium Casting	Introduction to Machine Tools Investigating Automotive Mechanisms Working at Drawing Boards Small-scale Project	
8	Ferrous and Non-Ferrous Metals Heat Treatments Principles of Welding Metalwork Design Marking Out Thin Platework Forgework Design For Wood Turning Wood Turning Garden Tool Project	Ferrous and Non-Ferrous Metals Heat Treatments Principles of Welding Metalwork Design Marking Out Thin Platework Forgework Design For Wood Turning Wood Turning Garden Tool Project	Ferrous and Non-Ferrous Metals Heat Treatments Principles of Welding Metalwork Design Marking Out Thin Platework Forgework Design For Wood Turning Wood Turning Garden Tool Project	
7A	Health and Safety  Working With Wood  Trebuchet Project	Health and Safety  Working With Wood  Trebuchet Project	Health and Safety  Working With Wood  Trebuchet Project	Health and Safety  Working With Wood  Trebuchet Project
7S	Health and Safety Working With Wood Trebuchet Project Graphical Techniques Machines and Mechanisms Materials Science		Health and Safety Working With Wood Trebuchet Project Graphical Techniques Machines and Mechanisms Materials Science	