

## Engineering/Resistant Materials

Year	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
<b>11</b>	<i>New Technologies Life Cycle Assessment Car Engine Configurations Vice Project Manufacturing Assessment</i>	<i>Reducing Waste Renewable Energy Car Engine Assemblies Vice Project Manufacturing Assessment Machine Tool Theory</i>	<i>Car Engine Components Vice Project Manufacturing Assessment Machine Tool Theory Assessment Exam Revision Exam</i>	<i>Car Engine Component Manufacture Vice Project Manufacturing Assessment Machine Tool Theory Assessment</i>	<i>Car Engine Assessment Machine Tool Theory Assessment Exam Resits</i>	<i>Car Engine Assessment Machine Tool Theory Assessment</i>
<b>10</b>	<i>Manufacturing From Engineering Drawings Vice Project Manufacturing Assessment Materials Science</i>	<i>Manufacturing Methods and Processes Vice Project Manufacturing Assessment Working To Tolerances Accuracy in Machining</i>	<i>Materials Science Vice Project Manufacturing Assessment</i>	<i>Modern and Smart Materials Vice Project Manufacturing Assessment</i>	<i>Plastics and Polymers Creating Reflective Surfaces On Manufactured Work Surface Finishing Vice Project Written Up</i>	<i>Manufacturing Printed Circuit Boards Investigating Internal Combustion Engines Production Planning Vice Project Written Up</i>
<b>9</b>	<i>Engineering Professions Engineering Health and Safety Handtools Precision Benchwork Engineering Drawing Introduction to Welding Introduction to Machine Tools</i>		<i>CAD Welding Fabrication Working with Aluminium Casting</i>		<i>Introduction to Machine Tools Investigating Automotive Mechanisms Working at Drawing Boards Small-scale Project</i>	

Year	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
<b>8</b>	<i>Ferrous and Non-Ferrous Metals</i> <i>Heat Treatments</i> <i>Principles of Welding</i> <i>Metalwork Design</i> <i>Marking Out</i> <i>Thin Platework</i> <i>Forgework</i> <i>Design For Wood Turning</i> <i>Wood Turning</i> <i>Garden Tool Project</i>		<i>Ferrous and Non-Ferrous Metals</i> <i>Heat Treatments</i> <i>Principles of Welding</i> <i>Metalwork Design</i> <i>Marking Out</i> <i>Thin Platework</i> <i>Forgework</i> <i>Design For Wood Turning</i> <i>Wood Turning</i> <i>Garden Tool Project</i>		<i>Ferrous and Non-Ferrous Metals</i> <i>Heat Treatments</i> <i>Principles of Welding</i> <i>Metalwork Design</i> <i>Marking Out</i> <i>Thin Platework</i> <i>Forgework</i> <i>Design For Wood Turning</i> <i>Wood Turning</i> <i>Garden Tool Project</i>	
<b>7A</b>	<i>Health and Safety</i> <i>Working With Wood</i> <i>Trebuchet Project</i>	<i>Health and Safety</i> <i>Working With Wood</i> <i>Trebuchet Project</i>	<i>Health and Safety</i> <i>Working With Wood</i> <i>Trebuchet Project</i>		<i>Health and Safety</i> <i>Working With Wood</i> <i>Trebuchet Project</i>	
<b>7S</b>	<i>Health and Safety</i> <i>Working With Wood</i> <i>Trebuchet Project</i> <i>Graphical Techniques</i> <i>Machines and Mechanisms</i> <i>Materials Science</i>			<i>Health and Safety</i> <i>Working With Wood</i> <i>Trebuchet Project</i> <i>Graphical Techniques</i> <i>Machines and Mechanisms</i> <i>Materials Science</i>		