

Curriculum Overview	Subject: Engineering Manufacture				Examination Board: OCR <a href="#">Revision Guide</a>	
Year 10 2022 -23						
When?	What?	Why?	How?	Assessment?	Support?	
<b>Autumn Half Term 1</b>	<p>Course Intro</p> <p>Safe workshop practice.</p> <p>Learn to safely use the lathe, mill and pillar drill.</p> <p>Start theory content of the course. (R014 is an exam assignment. 40%)</p>	<p>Understand the course and develop some of the practical skills needed to complete the course.</p>	<p>A range of written work,</p> <p>Practical tasks, making a couple of key fobs one by hand and one using the lathe mill and drill.</p>	<p>Low stake testing of the work as we progress through the tasks. (Silent Starter activities)</p>	<p>Google Classroom</p>	
<b>Autumn Half Term 2</b>	<p>Theory work, through the Google Classroom, we start covering the theory topics.</p> <p>Start the first examined assignment, R015, (30% of final grade)</p> <p>This year we have to plan and make a Hammer.</p>	<p>We focus on a mix of practical, assignment work (R015) and theory. (R014)</p> <p>Our assignment tasks for this year, are all machining tasks, lathe and mill work. We need to share machines.</p>	<p>Theory work and the paperwork for the assignments are both Google Classroom based and can be done on ChromeBooks as other students do practical.</p>	<p>As sections of the assignment (R015) get completed they are assessed.</p> <p>As sections of the theory get completed we test that knowledge through either short tests or past paper questions.</p>		
<b>Spring Half Term 1</b>	<p>Theory (R014) and Assignment work, Hammer (R015) continue.</p>	<p>As Above</p>	<p>As Above</p>	<p>As Above</p>		
<b>Spring Half Term 2</b>	<p>Theory (R014) and Assignment work, Hammer</p>	<p>As Above</p>	<p>As Above</p>	<p>As Above</p>		

	(R015) continue.				
<b>Summer Half Term 1</b>	Theory (R014) and Assignment work, Hammer (R015) continue.	As Above	As Above	As Above	
<b>Summer Half Term 2</b>	Theory (R014) and Assignment work, Hammer (R015) to be completed.  PPE (Mock Paper)	As Above  Will check on exam understanding and introduce the paper. (All exam content not covered yet)	As Above	Assignment 1, R015, can be assessed. (NEA 30% of final grade)  PPE (Mock) result.	

Year 11 2022 -23

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When?	What?	Why?	How?	Assessment?	Support?
<b>Autumn Half Term 1</b>	Theory (R014) and Assignment work, start the second assignment. R016. This is a CAD CAM assignment, to make a Gear. Though the use of the laser cutter.	We focus on a mix of practical, assignment work (R016) and theory. (R014)  Our assignment tasks for R016, is CAD CAM based and uses the laser cutter.	Theory work and the paperwork for the assignments are both Google Classroom based and can be done on ChromeBooks as other students do practical.	As sections of the assignment (R016) get completed they are assessed.  As sections of the theory get completed we test that knowledge through either short tests or past paper questions.	
<b>Autumn Half Term 2</b>	Theory (R014) and Assignment work, Gear (R016) continue.  First full PPE (Nov)	As Above  School sets this date.	As Above	As Above  PPE marks	
<b>Spring Half Term 1</b>	Theory (R014) and Assignment work, Gear (R016) continue.	We focus on a mix of practical, assignment work (R016) and theory. (R014)  Our assignment tasks for R016, is CAD CAM based and uses the laser cutter.	Theory work and the paperwork for the assignments are both Google Classroom based and can be done on ChromeBooks as other students do practical.	As sections of the assignment (R016) get completed they are assessed.  As sections of the theory get completed we test that knowledge through either short tests or past paper questions	
<b>Spring Half Term 2</b>	Theory (R014) and Assignment work, Gear (R016) Complete (R016, Gear)	As Above	As Above	As Above	

<b>Summer Half Term 1</b>	Complete any outstanding theory content not covered OR that shows poor performance in the PPE.	Both assignments are complete and assessed. (60% of the final grade complete and known)  Theory topics to be reviewed and exam revision done as needed.		Past papers and exam question practice.	
<b>Summer Half Term 2</b>	Final Exams - not in school.				