

Year 12 Engineering

Summer Term 2

**MAGHULL HIGH SCHOOL Engineering**



	<b>Week 1</b>	<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>
<b>UNIT 1</b>	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.
<b>UNIT 10</b>	<ul style="list-style-type: none"> <li>Pupils to work through relevant Solidworks tutorials to prepare them for Learning Aim C Assignment.</li> <li>Unit 10. Assignment 3 deadline 1/7/2022</li> </ul>					
<b>Knowledge &amp; Skills development</b>	<ul style="list-style-type: none"> <li>Unit 10. Learning aim C: Develop a three-dimensional computer-aided model for a thin walled product and a fabricated product that can be used as part of other engineering processes.</li> <li>C1 3D modelling commands</li> <li>C2 Develop 3D components</li> <li>C3 Development of a 3D model</li> <li>C4 Output of product drawings</li> </ul>					
<b>Assessment / Feedback Opportunities</b>	<p>Cold calling to check for understanding.  Visual check on note taking.  Visual check on CAD ability/understanding.  Marking of homework and in class quizzing.</p>					
<b>Cultural Capital</b>	Pupils develop understanding of Engineering sectors and roles involved.					
<b>SMSC / Promoting British Values</b> (Democracy, Liberty, Rule of Law, Tolerance & Respect)	Working in groups to discuss Engineering sectors helps promote tolerance, respect for each other.					
<b>Reading opportunities</b>	Reading research on Engineering sectors and organisations.					
<b>Key Vocabulary</b>	Engineering, aerospace, automotive, communications, electrical/electronics, mechanical, environmental, transport, rail and marine					
<b>Digital Literacy</b>	CAD					

Careers	Pupils develop knowledge of the following engineering sectors and the roles included; aerospace, automotive, communications, electrical/electronics, mechanical, environmental, transport, rail and marine.
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