

Year 12 Engineering

Summer Term 2

MAGHULL HIGH SCHOOL Engineering



	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
UNIT 1	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.	Unit 10 Learning Aim C.	Preparation for Unit 2.	Preparation for Unit 2
UNIT 10	<ul style="list-style-type: none"> Pupils to work through relevant Solidworks tutorials to prepare them for Learning Aim C Assignment. Unit 10. Assignment 3 deadline 1/7/2022 					
Knowledge & Skills development	<ul style="list-style-type: none"> 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. C1 3D modelling commands C2 Develop 3D components C3 Development of a 3D model C4 Output of product drawings 					
Assessment / Feedback Opportunities	<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>					
Cultural Capital	Pupils develop understanding of Engineering sectors and roles involved.					
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	Working in groups to discuss Engineering sectors helps promote tolerance, respect for each other.					
Reading opportunities	Reading research on Engineering sectors and organisations.					
Key Vocabulary	Engineering, aerospace, automotive, communications, electrical/electronics, mechanical, environmental, transport, rail and marine					
Digital Literacy	<p>CAD</p> <p>Research of modern manufacturing processes and materials.</p>					

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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