Year 12 Engineering

MAGHULL HIGH SCHOOL – CURRICULUM MAP1

	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Lesson 6
UNIT 1 **ADB.** Mr Baines **NA.** Mr Abraham **AN.** Mr Nagi	• BTEC Engineering handbook. • Isometric sketching. • ADB. Learning Aim A1	• NA & AN isometric sketching, annotation, accuracy, speed. • ADB. Learning Aim A1	• NA & AN isometric sketching, annotation, accuracy, speed. • ADB. Learning Aim A1	• NA & AN isometric sketching, annotation, accuracy, speed. • ADB. Learning Aim A1	• AN. Learning Aim B. • ADB. Learning Aim A1	
UNIT 10						NA. 3Rd Angle Orthographic Drawing.
Knowledge & Skills development	• Unit 1. Engineering Principles: Learning Aims A, B, C, C, D, E, F, G • Unit 10. Computer Aided Design in Engineering: Learning Aims A, B and C					
Assessment / Feedback Opportunities	Cold calling to check for understanding.	Cold calling to check for understanding.	Visual check on note taking. Cold calling	Visual check on note taking.	Cold calling to check for understanding.	Cold calling to check for understanding.
Cultural Capital	Pupils develop understanding of Engineering sectors and roles involved.					

SMSC / Promoting British Values **(Democracy, Liberty, Rule of Law, Tolerance & Respect)**	Respect, patience and tolerance of others in a classroom environment.
Reading opportunities	Using text book to read around the learning aim.
Key Vocabulary	Engineering, aerospace, automotive, communications, electrical/electronics, mechanical, environmental, transport, rail and marine
Digital Literacy	Use internet to help research.
Careers	Pupils develop knowledge of the following engineering sectors and the roles included; aerospace, automotive, communications, electrical/electronics, mechanical, environmental, transport, rail and marine.