Bottle Opener Year 9

Autumn Term 2

MAGHULL HIGH SCHOOL – CURRICULUM MAP

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
TOPIC (S) **ALL KEY STAGE PUPILS ROTATE AT THE END OF SPRING TERM 1.**	**Objective:** To develop comprehension skills. To develop behaviour for learning skills. Pupils to develop understanding of planning for production	**Objective:** To develop comprehension skills. To develop behaviour for learning skills. Pupils to develop understanding of planning for production Pupils to develop accuracy in using relevant tools and equipment	**Objective:** To develop comprehension skills. To develop behaviour for learning skills. Select and use accurately appropriate tools and equipment. Develop knowledge of knowledge Organiser.	**Objective:** To develop comprehension skills. To develop behaviour for learning skills. Select and use accurately appropriate tools and equipment.	**Objective:** To develop comprehension skills. To develop behaviour for learning skills. Identify and solve their own design problems. Select and use accurately appropriate tools and equipment. Develop knowledge of knowledge Organiser.	**Objective:** To develop comprehension skills. To develop behaviour for learning skills. Identify and solve their own design problems. Select and use accurately appropriate tools and equipment. Complete Bottle Opener. Begin Passive speaker project.
CAD 1 Pupil to rotate through room 60 and 63 to develop CAD/CAM skills and knowledge.	• All year 9 to rotate through rooms 60 and 63 to complete Bottle Opener Solidworks tutorials and produce a part and drawing. • Demonstrate 3 D Printer. • Extension: Passive Speaker Solidworks tutorial.					
Knowledge & Skills development	• Pupils to develop accuracy in using relevant tools and equipment. • Pupils to develop practical skills in woods. • Pupils to develop understanding of resistant materials. • Pupils to develop testing and evaluating against a specification skills.					
Assessment / Feedback Opportunities	Cold call as part of do now. Verbal feedback on practical and cold call on knowledge organiser Verbal feedback on developing practical skills in metal and CAD					

Cultural Capital	• Understanding of woods and their uses in a range of settings. • •
SMSC / Promoting British Values **(Democracy, Liberty, Rule of Law, Tolerance & Respect)**	• Tolerance and respect when sharing equipment. • Following Health and safety rules.
Reading opportunities	• Partly completed production plan to read. • •
Key Vocabulary	softwood, hardwood, file, pillar drill, tenon saw, file, , drill bit, bench hook, wood vice, machine vice, try square, eccentric cam..
Digital Literacy	Extension work on 2D Design CAD to customise the Toy Car with the laser or 3D Printer. Dependent upon availability of computer room.
Careers	The role of a joiner, cabinet maker, Engineer.