



	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: Pupils develop graphic and accuracy skills through completing Six line graphics. Developing Marking out and cutting skills in wood	Objective: Developing Marking out and cutting skills in wood.	Objective: Developing Marking out and cutting skills in wood	Objective: Developing Marking out and cutting skills in wood. Developing joining skills. Developing finishing skills in wood.	Objective Developing Marking out and cutting skills in wood. Developing joining skills. Developing finishing skills in wood. Developing CAD/CAM skills using 2D Design and laser cutters.	Objective: Developing Marking out and cutting skills in wood. Developing joining skills. Developing finishing skills in wood. Developing CAD/CAM skills using 2D Design and laser cutters. Completion and evaluation.
CAD 1 Pupil to rotate through room 60 and 63 to develop CAD/CAM skills and knowledge.	<ul style="list-style-type: none"> • All year 9 to rotate through rooms 60 and 63 to complete Passive Speaker Solidworks tutorial. • Pupils to complete Techsoft 2 D Design booklets in preparation on using laser cutter. 					
Knowledge & Skills development	<ul style="list-style-type: none"> • Pupils to develop accuracy in using relevant tools and equipment. • Pupils to develop practical skills in metals. • Pupils to develop understanding of resistant materials. • Pupils to work safely and accurately in the workshop. • Pupils to develop CAD/CAM skills using Solidworks and Techsoft 2D Design. 					
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	<ul style="list-style-type: none"> • Understanding of woods and their uses in a range of settings. 					

	<ul style="list-style-type: none"> • Sustainability issues when selecting materials.
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	<ul style="list-style-type: none"> • Tolerance and respect when sharing equipment. • Following Health and safety rules.
Reading opportunities	<ul style="list-style-type: none"> • 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.