



SUMMER TERM 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
<p>TOPIC (S)</p> <p>ALL KEYSTAGE 3 PUPILS HAVE ROTATED AT THE END OF SPRING TERM 1.</p>	<p>Objective:</p> <ul style="list-style-type: none"> Understand how to interpret an engineering drawing (toy car) and use for accurately marking out. identify and solve their own design problems. Select and use accurately appropriate tools and equipment. 	<p>Objective:</p> <ul style="list-style-type: none"> Designing man and making body. identify and solve their own design problems. Select and use accurately appropriate tools and equipment 	<p>Objective:</p> <ul style="list-style-type: none"> Designing man and making body. identify and solve their own design problems. Select and use accurately appropriate tools and equipment 	<p>Objective:</p> <ul style="list-style-type: none"> Designing man and making. <p>Cutting wheels.</p> <ul style="list-style-type: none"> Laser wheels. identify and solve their own design problems. Select and use accurately appropriate tools and equipment 	<p>Objective:</p> <ul style="list-style-type: none"> Designing man and making. <p>.Complete cam and axle. Stain.</p> <ul style="list-style-type: none"> identify and solve their own design problems. Select and use accurately appropriate tools and equipment 	<p>Objective:</p> <ul style="list-style-type: none"> Finish and evaluate/test. identify and solve their own design problems. Select and use accurately appropriate tools and equipment
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 woods. Pupils to develop understanding of resistant materials. Pupils to develop testing and evaluating against a specification skills. 					
Assessment / Feedback Opportunities	Verbal feedback on practical and cold call on knowledge organiser	Verbal feedback on practical and cold call on knowledge organiser	Verbal feedback on practical and cold call on knowledge organiser	Verbal feedback on practical and cold call on knowledge organiser	Verbal feedback on practical and cold call on knowledge organiser	Verbal feedback on practical and cold call on knowledge organiser
Cultural Capital	<ul style="list-style-type: none"> Understanding of woods and their uses in a range of settings. 					

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.