

Curriculum Map: Key Stage 3 Design Technology Resistant Materials

	Year 7	Year 8	Year 9
Week 1	<p>Ornamental Display</p> <ul style="list-style-type: none"> Analysing a brief Tools and equipment 	<p>Inlaid Candle holder</p> <ul style="list-style-type: none"> Analysis of product Tools and equipment and uses 	<p>Storage unit</p> <ul style="list-style-type: none"> In-depth analysis of task Tools, equipment and their uses
Week 2	<ul style="list-style-type: none"> Visual inspection of materials Woods theory / research 	<ul style="list-style-type: none"> Dimension drawings isometric and Orthographic <p>Key piece 1: Producing a specification</p>	<ul style="list-style-type: none"> Understanding $L \times W \times T = V$ Health and safety in the work place
Week 3	<ul style="list-style-type: none"> Maths in DT, using a ruler correctly, measuring using cm and mm Practical time 	<ul style="list-style-type: none"> Plastic theory Finishing plastics Health and Safety in the workshop Practical time 	<p>Key piece 1: Types of forces acting on a product</p> <ul style="list-style-type: none"> Practical time
Week 4	<ul style="list-style-type: none"> What is sustainability? Producing a cutting list Understanding a plan of manufacture Practical time, using hand held tools. Peer review <p>Key piece 1: Producing a cutting list for a product showing 3 dimensions</p>	<ul style="list-style-type: none"> Peer assessment of practical task Producing a cutting list using RM2 software Practical time Peer assessment 	<ul style="list-style-type: none"> Metals theory Producing a plan of manufacture Link the plan of manufacture to a flow chart Produce a detail cutting list
Week 5	<ul style="list-style-type: none"> Utilising a flow chart to aid manufacture Health and safety in the work place Practical time, using electrical tools. Peer review 	<p>Key piece 2: Produce a flow chart for the manufacture of your product</p> <ul style="list-style-type: none"> Utilising Quality assurance, Quality control to achieve high standards Practical time 	<ul style="list-style-type: none"> Practical time Peer assessment of practical Advanced CAD CAM
Week 6	<p>Peer evaluation of practical</p> <ul style="list-style-type: none"> Practical time, using electrical tools. Peer review 	<ul style="list-style-type: none"> Use of CAD CAM Practical time Peer assessment 	<ul style="list-style-type: none"> Practical time Types of movement

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<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 7</p>	<p>Key piece 2: Produce a flow chart for the manufacture of your product</p> <ul style="list-style-type: none"> Using quality control Quality to ensure final product is on the correct path. Practical time 	<ul style="list-style-type: none"> Use of the CAD CAM Router. Finishing woods Practical time Peer assessment 	<p>Key piece 2: Product of quality product.</p> <p>Quality control in the work place</p> <ul style="list-style-type: none"> Practical time
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Week 8</p>	<ul style="list-style-type: none"> Celebration of achievement Final evaluation 	<ul style="list-style-type: none"> Celebration of achievement Final evaluation and reflection Commercial viability 	<ul style="list-style-type: none"> Types of production Celebration of achievement Final evaluation