



Key Stage 3 RMT - Curriculum Map



	Foundation	Year 8	Year 9
Autumn 1	<u>Jigsaw Project</u> <ul style="list-style-type: none"> Health and Safety Research and Ideas Lazer Cutter and Heat Press Evaluation 	<u>Message Board Project</u> <ul style="list-style-type: none"> Environmental Issues Levers and Linkages Initial Ideas and Final Design Cutting and Assembly 	<u>Birdhouses</u> <ul style="list-style-type: none"> Research of Area/background Ideas and Final Design Plan of making Steps Making and Decorating
Autumn 2	<u>Jigsaw Project</u> <ul style="list-style-type: none"> Materials/Wood Theory Basic Tools 2D design work (Basic) Cutting and Shaping 	<u>Message Board Project</u> <ul style="list-style-type: none"> Rotary Mechanism activity Tools and Equipment CAD/CAM development of 2D design Cutting and Shaping using a range of tools 	<u>Birdhouses</u> <ul style="list-style-type: none"> Sustainability and use of Materials The 6'R's CAD/CAM advanced tools Power tools use
Spring 1	<u>Lighting Project</u> <ul style="list-style-type: none"> Design Brief/Task Analysis Research and Ideas Developing Ideas Model Making 	<u>Ball bearing Game Project</u> <ul style="list-style-type: none"> Research and Ideas Design Ideas and Final Design 2 and 3 point Perspective drawing Joints Theory and Use 	<u>Elastic Powered Vehicle</u> <ul style="list-style-type: none"> Energy and Fossil Fuels Initial ideas and Final Designs Marking out, cutting and filing. Advertising the product
Spring 2	<u>Lighting Project</u> <ul style="list-style-type: none"> Joining Materials Intermediate Tools Theory Measuring and Marking out Materials/Plastic Theory 	<u>Ball bearing Game Project</u> <ul style="list-style-type: none"> Advertising and Marketing QA and QC Product Development 	<u>Elastic Powered Vehicle</u> <ul style="list-style-type: none"> Past and Future Cars Alternative Energy options Product Analysis Power Tools
Summer 1	<u>Key Tags Project</u> <ul style="list-style-type: none"> Research and Ideas Step by step planning Design Brief Drilling and Soldering 	<u>Money Box Project</u> <ul style="list-style-type: none"> Research of Existing Products Initial Ideas/Final Designs Cutting and Shaping Decorating and creating the opening 	<u>3D Printing Project</u> <ul style="list-style-type: none"> Research and Ideas Final Designs Understanding Tinker Cad Development of Designs on Tinker Cad.
Summer 2	<u>Key Tag Project</u> <ul style="list-style-type: none"> 2d Design Final Product making Book Clips design Target Market/Audience 	<u>Money Box Project</u> <ul style="list-style-type: none"> Monetary Tasks linked with Maths Paying with pennies Using money in real life situations Working out totals / change 	<u>3D Printing Project</u> <ul style="list-style-type: none"> Advertising and Marketing products QA and QC Product Development