



Key Stage 3 DT

Programme of Study **NB Sept 2021 Year 8 will also do the Photoframe to make up for Lockdown gaps in learning**

Yr 7: Hang Up (wood)	Yr 7: Photo frame (metal) <i>Also Year 8</i>	Year 8: Container (wood)	Yr 8: Lever toy (MDF)	Yr 8 Card (CAD/CAM Graphics)
<p>Year 7:</p> <ul style="list-style-type: none"> • Transition TEST at the beginning of DT • Workshop safety • Evaluating existing products • Material Properties and Woods • Environmental Issues • Wood Joints • Tools • User requirements • Orthographic Drawing • Isometric Drawing • Technical specification • CAD • Planning • Evaluation and Peer Assessment 	<p>Year 7:</p> <ul style="list-style-type: none"> • Transition TEST at the beginning of DT • Research into metals and alloys • Workshop safety • Tools and Components • Mass production • Quality Assurance • Health and Safety • Environmental Issues • User Requirements • Orthographic Drawing • Isometric Drawing • CAD • Planning • Packaging • Testing • Evaluation and peer assessment 	<p>Year 8:</p> <ul style="list-style-type: none"> • Deconstructing Existing Products • Survey of user needs • Further Wood Joints and Fittings • Tools and Equipment • Finishes • User requirements • Further Isometric Joints • Perspective drawing • Orthographic Drawing • Detailed Planning • Further tools and equipment • Testing Evaluation and Peer Assessment 	<p>Year 8:</p> <ul style="list-style-type: none"> • Mechanisms • Mood Board • Types of motion • Mechanisms • Levers • Mechanical Advantage • Modelling • CAD • Temporary and Permanent Fixings • Tessellation • 6 R's • User Requirements • Initial ideas and development • Card modelling and Development • Plan of action/QA • Character drawing • Evaluation and Peer Assessment 	<p>Year 8:</p> <ul style="list-style-type: none"> • Design Situation • Primary user and Brief • Existing Graphic Products • CAD/CAM and Printing Techniques • User Requirements • Sketching • Typography • Technical Specification • Primary, Secondary and Tertiary Recycling • Rotary and Folding Mechanism • Designing
<p>Assessment for Learning:</p> <ul style="list-style-type: none"> • Transition TEST at the beginning/end of DT • Evaluation and Peer Assessment • Self-Assessment of design booklet and made product 	<p>Assessment for Learning:</p> <ul style="list-style-type: none"> • Transition TEST at the beginning/end of DT • Evaluation and Peer Assessment • Self-Assessment of design booklet and made product 	<p>Assessment for Learning:</p> <ul style="list-style-type: none"> • Evaluation and Peer Assessment • Self-Assessment of design booklet and made product • End of unit test 	<p>Assessment for Learning:</p> <ul style="list-style-type: none"> • Evaluation and Peer Assessment • Self-Assessment of design booklet and made product • End of unit test 	<p>Assessment for Learning:</p> <ul style="list-style-type: none"> • Evaluation and Peer Assessment • Self-Assessment of design booklet and made product • End of unit test
<p>Homework: As set by teacher</p>	<p>Homework: As set by teacher</p>	<p>Homework: As set by teacher</p>	<p>Homework: As set by teacher</p>	<p>Homework: As set by teacher</p>