



		<b>Autumn Term</b>	<b>Spring Term</b>	<b>Summer Term</b>
<b>Year 10</b>	<b>Topic</b> Big question / Overview	<p>Tools and Equipment</p> <ul style="list-style-type: none"> <li>- Refresh of knowledge and understanding of all the tools and machinery within the DT workshop.</li> </ul> <p>Designing</p> <ul style="list-style-type: none"> <li>- Orthographic Projection</li> <li>- Isometric Projection</li> <li>- Point Perspective</li> <li>- Free hand drawing</li> <li>- How to annotate effectively</li> <li>- 3D modelling using online Software</li> </ul> <p>Timbers</p> <ul style="list-style-type: none"> <li>- Difference between Hardwoods and Softwoods</li> <li>- Timbers Properties</li> <li>- Timber Manufacturing Processes</li> <li>- Wooden Joints (practical)</li> <li>- Finishes and Treatments</li> <li>- Exam style questions</li> <li>- Levers and Linkages (practical)</li> </ul> <p>Polymers</p> <ul style="list-style-type: none"> <li>- Difference between Thermoforming and Thermosetting</li> <li>- Polymers properties</li> <li>- Polymer Manufacturing Processes</li> <li>- CAD/CAM Laser cutter (practical)</li> <li>- Exam style questions</li> </ul>	<p>Metals</p> <ul style="list-style-type: none"> <li>- Difference between Ferrous and Non-Ferrous and Alloys</li> <li>- Metals properties</li> <li>- Metals Manufacturing Processes</li> <li>- Hardening and Tempering (practical)</li> <li>- Exam style questions</li> </ul> <p>Papers and Boards</p> <ul style="list-style-type: none"> <li>- Difference between Papers and boards</li> <li>- Paper and boards properties</li> <li>- How paper is made (practical)</li> <li>- Exam style questions</li> </ul> <p>Textiles:</p> <ul style="list-style-type: none"> <li>- Difference between Natural and Synthetic</li> <li>- Difference between Woven and Non Woven</li> <li>- Day of the Dead light (practical)</li> <li>- Exam style questions</li> </ul> <p>Systems</p> <ul style="list-style-type: none"> <li>- Understanding electronic symbols and systems</li> <li>- Practise at create electric circuits (copper tape and soldering irons)</li> <li>- Creating a speaker (practical)</li> </ul>	COURSEWORK NEA
	Disciplinary knowledge/skills	<p>Understanding properties</p> <p>Developing practical skills with both hand tools and machinery</p> <p>Developing quality and accuracy</p> <p>Recapping previous topics with a view to apply in practical work or in preparation for written or practical exams</p> <p>Computer skills; Research Skills; Refining previous knowledge; Time management</p>	Recapping previous topics with a view to apply in practical work or in preparation for written exam and coursework	