







## Curriculum Overview for Design Year 7

<p><b><u>Term 3: Wood Vehicle</u></b></p> <p><b>Substantive Knowledge:</b></p> <p>Isometric drawing Coniferous and Deciduous trees and their properties. Properties of hard and soft woods To understand what a risk assessment is To understand the safety of tools and machinery in the Design Technology workshop. Measuring and marking out of materials. How to accurately cut wood and joints To understand what a risk assessment is How to use specialised machinery, drill and circular sander. Types of Adhesives. How to use appropriate sandpaper and finishes. How to use 2D design.</p>		<p>Decoding of keywords. Opportunities for extended knowledge theory.</p>
<p><b>Disciplinary Knowledge:</b></p> <p>Work precisely and carefully to produce a good, working joint. Use the marking out tools correctly and use all the tools safely. To be able to accurately measure in millimetres. To be able to identify the target user in line with the specification. To be able to evaluate the final product in line with the design brief identifying strengths, weaknesses and areas for improvement.</p>		<p>Tenon Saw, Marking Gauge Tri Square, Pillar Drill, Softwood Hardwood, Manufacturing Housing Joint, Grain, Orthographic Isometric, 30/60 Degree Set Square, Sandpaper, Adhesives, Varnishes, typography, CAD CAM, "D Design</p>
<p><b>Disciplinary Knowledge:</b></p> <p>Work precisely and carefully to produce a good, working joint. Use the marking out tools correctly and use all the tools safely. To be able to accurately measure in millimetres. To be able to identify the target user in line with the specification. To be able to evaluate the final product in line with the design brief identifying strengths, weaknesses and areas for improvement.</p>		<p>Recall tests Live marking at regular intervals throughout the project. Frequent peer and self-assessment. Continuous verbal feedback End of unit assessment.</p>
<p><b>Disciplinary Knowledge:</b></p> <p>Work precisely and carefully to produce a good, working joint. Use the marking out tools correctly and use all the tools safely. To be able to accurately measure in millimetres. To be able to identify the target user in line with the specification. To be able to evaluate the final product in line with the design brief identifying strengths, weaknesses and areas for improvement.</p>		<p>Set homework tasks completed in chronological order.</p> <p>Mini research projects to develop students understanding of design in the wider world.</p>