

**Year 11 Curriculum Overview [2022-2023]**  
**Subject – Construction and the Built Environment**

Autumn Term	Knowledge & Understanding			Literacy Skills  Opportunities for developing literacy skills	Employability Skills [if any]	Assessment Opportunities
	Composites	Components  [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
<b>HT1 and HT2</b>  <b>Unit 1</b>  <b>Construction Technology</b>	Preconstruction work	<ul style="list-style-type: none"> <li>• Desk based</li> <li>• Site based</li> </ul>	<ul style="list-style-type: none"> <li>• Health and safety</li> <li>• Materials and their properties</li> <li>• Maths and Science</li> </ul>	<ul style="list-style-type: none"> <li>• Writing.</li> <li>• Independent reading.</li> <li>• Comprehension.</li> <li>• Keywords.</li> </ul>	<ul style="list-style-type: none"> <li>• Planning</li> <li>• Independence</li> <li>• Presentation skills</li> <li>• Communication</li> <li>• ICT skills</li> <li>• Research</li> </ul>	<ul style="list-style-type: none"> <li>• Final examination</li> </ul>
	Sub structure ground works	<ul style="list-style-type: none"> <li>• Hazards</li> <li>• Control of water</li> <li>• Earthworks</li> <li>• Foundations</li> <li>• Ground floors</li> </ul>				
	Sub structure - floors	<ul style="list-style-type: none"> <li>• Detail</li> <li>• Function</li> <li>• Materials</li> <li>• Types</li> <li>• Finishes</li> <li>• Components</li> </ul>				
	Sub structure - roofs	<ul style="list-style-type: none"> <li>• Detail</li> <li>• Function</li> <li>• Materials</li> <li>• Types</li> <li>• Finishes</li> <li>• Components</li> </ul>				
	Sustainability	<ul style="list-style-type: none"> <li>• Purpose</li> <li>• Methods</li> <li>• Materials</li> </ul>				

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	Composites	Components  [includes understanding of KEY concepts & subject specific vocab]	Formal Retrieval [if any]			
<b>HT3 and HT4</b>  <b>Unit 3</b>  <b>Construction and Design</b>	The construction industry and the built environment	<ul style="list-style-type: none"> <li>• Designing</li> <li>• Infrastructure</li> <li>• Community</li> <li>• Economic</li> <li>• Social</li> <li>• Benefits of construction industry</li> </ul>		<ul style="list-style-type: none"> <li>• Writing to inform.</li> <li>• Writing for an audience.</li> <li>• <b>Keywords-</b> Design, infrastructure, social, economic, sustainability, aesthetics, perspective.</li> </ul>	<ul style="list-style-type: none"> <li>• Planning</li> <li>• Numeracy</li> <li>• Independence</li> <li>• Presentation skills</li> <li>• Communication</li> <li>• ICT skills</li> <li>• Organising</li> </ul>	<ul style="list-style-type: none"> <li>• Final assessment based on portfolio work</li> <li>• Outline/ describe/ explain a range of activities undertaken by the construction industry. Evaluate the local and national contributions</li> <li>• Identify/describe/Analyse refine clients' needs and constraints for given project.</li> </ul>
	Activities of the construction industry	<ul style="list-style-type: none"> <li>• Civil engineering</li> <li>• Residential</li> <li>• Retail</li> <li>• Education</li> <li>• Commercial</li> <li>• Industrial</li> <li>• Retail</li> <li>• Health</li> <li>• Leisure</li> </ul>				
	Clients needs	<ul style="list-style-type: none"> <li>• Sustainability</li> <li>• Building use</li> <li>• Accommodation</li> <li>• Style</li> <li>• Aesthetics</li> <li>• Client brief</li> </ul>				
	Constraints	<ul style="list-style-type: none"> <li>• Resources</li> <li>• Local planning and building</li> <li>• Timescales</li> <li>• Budget</li> <li>• Site</li> <li>• Building</li> </ul>				

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<b>HT5 and HT6</b>  <b>Unit 3</b>  <b>Construction and Design</b>	Designing	<ul style="list-style-type: none"> <li>• Sketching</li> <li>• Client approval and review</li> <li>• Responding to client feedback</li> <li>• Design solution</li> </ul>		<ul style="list-style-type: none"> <li>• Writing to inform.</li> <li>• Writing for an audience.</li> <li>• Keywords.</li> </ul>	<ul style="list-style-type: none"> <li>• Planning</li> <li>• Numeracy</li> <li>• Independence</li> <li>• Presentation skills</li> <li>• Communication</li> <li>• ICT skills</li> <li>• Organising</li> </ul>	<ul style="list-style-type: none"> <li>• Final assessment based on portfolio work</li> <li>• Produce two/three/four designs. Review and refine against client feedback.</li> </ul>
<b>Unit 5</b>  <b>Exploring Carpentry and Joinery Principles and Techniques</b>	Construction of timber frame	<ul style="list-style-type: none"> <li>• Preparing materials</li> <li>• Setting out materials</li> <li>• Safe practical work (cutting, joining)</li> </ul>	<ul style="list-style-type: none"> <li>• Practical work</li> <li>• Health and safety</li> </ul>			<ul style="list-style-type: none"> <li>• Final assessment based on portfolio work.</li> <li>• Measure/ mark/ produce a timber frame that is 3mm/2mm/1mm dimensionally square.</li> </ul>