

Year 11 Curriculum Overview [2021-2022]
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]			
HT1 and HT2 Unit 1 Construction Technology	Preconstruction work	<ul style="list-style-type: none"> • Desk based • Site based 	<ul style="list-style-type: none"> • Health and safety • Materials and their properties • Maths and Science 	<ul style="list-style-type: none"> • Writing. • Independent reading. • Comprehension. • Keywords. 	<ul style="list-style-type: none"> • Planning • Independence • Presentation skills • Communication • ICT skills • Research 	<ul style="list-style-type: none"> • Final examination
	Sub structure ground works	<ul style="list-style-type: none"> • Hazards • Control of water • Earthworks • Foundations • Ground floors 				
	Sub structure - floors	<ul style="list-style-type: none"> • Detail • Function • Materials • Types • Finishes • Components 				
	Sub structure - roofs	<ul style="list-style-type: none"> • Detail • Function • Materials • Types • Finishes • Components 				
	Sustainability	<ul style="list-style-type: none"> • Purpose • Methods • Materials 				

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

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