



SUBJECT	Construction and the Built Environment		YEAR	11
<p>Why do we study Construction and the Built Environment?</p> <p>The course gives learners the opportunity to develop sector specific applied knowledge and skills through realistic vocational contexts. Learners will have the opportunity to develop applied knowledge and practical skills.</p>				
What you have learned before	What you will learn this year	Where you can read more		
Unit 1: Construction Technology (Exam)				
Construction processes and terminology. Work of the construction industry Buildings Performance requirements Strength and Stability Foundations Wall, floor and roof structures Sound and Thermal Insulation	<ul style="list-style-type: none"> • Structural loads • Sustainable construction • Structural forms • Sub-structure groundworks • Desk based pre-construction • Work of the construction industry • Buildings Performance • Foundations 	<ul style="list-style-type: none"> • Construction and the built environment. Specification • Construction and the Built Environment (2022) BTEC Tech Awards Pearson qualifications • https://constructionnews.co.uk • Construction - Health and safety for the construction industry (hse.gov.uk) 		
Unit 5: Exploring Carpentry and Joinery (Practical Assessment)				
Correct techniques to perform a construction activity joinery and carpentry. Practical skills - appropriate use of Tools and equipment. (timber frame construction) Wood joints Marking out techniques Hazards and risks associated with a practical activity. Assessed practical activity		<ul style="list-style-type: none"> • Unit 5 assignment brief 		
Unit 3: Construction and Design (Design Brief and Sketches)				
Graphical communication skills Freehand, 2 Point perspective, Isometric house designs Plan views	<ul style="list-style-type: none"> • Client's needs - developing a design • Constraints on design • Understand and know how to write a Design Brief. • Construction Industry Report • Types of work, projects and activities. Social, economic. Function, appearance, aesthetics, sustainability. • Infrastructure 	<ul style="list-style-type: none"> • Unit 3 - Assignment • Marking grid • Video's - drawing in 2-point perspective. 		

Unit 2: Maths and Science in construction

Science and Maths used in construction

- Science and Maths used in construction