

Construction Curriculum

Construction Practice
Construction Design
Construction Technology and Infrastructure

In Maths and DT learners have completed tasks that will support a transition to Construction applying knowledge from KS3:

- Analysing, handling and displaying data.
- Decimals & Measures, Fractions & Percentages.
- Research, design and project production
- CAD/CAM

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	<i>Autumn 1</i>	<i>Autumn 2</i>	<i>Spring 1</i>	<i>Spring 2</i>	<i>Summer 1</i>	<i>Summer 2</i>
Construction Practical 1	Construction and Design 1	Construction Practical 2	Construction and Design 2	Construction Practical 3	Construction and Design 3	
Hazard identification, tool identification / training.	Client needs on low-rise buildings.	Wasting techniques, Jointing techniques.	Constraints on design.	Assembly techniques, Finishing techniques.	Graphically communicate the design	
Performance requirements. Strength Stability	Sustainable construction methods. Alternative energies Sustainable materials:	Common structural forms used in low-rise construction. Modular Steel frame	Substructure groundworks. Earthwork support Preconstruction work	Superstructure forms and finishes. Types of construction Engineered timber joists	Mastery of Construction. Construction methods and transportation systems.	

	This component will introduce you to commonly used hand tools, equipment and craft skills needed in the creation of the built environment and how to select and use materials in order to safely produce quality outcomes.
	You will gain an understanding of clients' needs and develop skills in producing building design briefs and sketches that consider construction constraints.
	This component will further develop your knowledge and understanding of processes, terminology and technology used in the construction of the built environment.