

Curriculum Sequencing KS4

The KS4 encompasses the whole Construction curriculum. The units build up on the skills and knowledge learnt in the previous unit.

Year Group	HT1	HT2	HT3	HT4	HT5	HT6	Notes
10	<p>Content</p> <p>Unit 1</p> <p>Topic A.1: Performance requirements required for low-rise construction Topic A.2: Common structural forms for low-rise construction</p>	<p>Unit 1</p> <p>Learning aim B: Explore how sub-structures are constructed Topic B.1: Preconstruction work Topic B.2: Sub-structure groundworks</p>	<p>Unit 1</p> <p>Learning aim C: Explore how superstructures are constructed Topic C.1: Superstructures – walls Topic C.2: Superstructures – floors Topic C.3: Superstructures – roofs</p>	<p>Unit 6</p> <p>Learning aim A: Understand tools, materials and equipment used in carpentry and joinery Learning aim B: Develop practical skills using safe techniques to produce a timber frame</p>	<p>Unit 6</p> <p>Learning aim A: Understand tools, materials and equipment used in carpentry and joinery Learning aim B: Develop practical skills using safe techniques to produce a timber frame</p>	<p>Unit 6</p> <p>Learning aim A: Understand tools, materials and equipment used in carpentry and joinery Learning aim B: Develop practical skills using safe techniques to produce a timber frame</p>	<p>Y10 has been sequenced to introduce the students to the construction industry through the construction technologies unit.</p> <p>The unit will highlight all the technologies used in national and local construction.</p> <p>In Unit 6 the students learn about the carpentry and joinery sector, they must produce a training power point for a local construction training agency and produce a test frame.</p>
11	<p>Content</p> <p>Unit 2</p> <p>Learning aim A: Understand the effects of forces and temperature changes on materials used in construction</p>	<p>Unit 2</p> <p>Learning aim B: Use mathematical techniques to solve construction problems</p>	<p>Unit 3</p> <p>Topic A.1: The construction industry and the built environment Topic A.2: The type of activities undertaken in the construction industry</p>	<p>Unit 3</p> <p>Topic B.1: Understanding a client's needs Topic B.2: Understanding the constraints on design Topic B.3: Production of a client brief for a low-rise building Topic C.1: Generation of initial sketch ideas to facilitate development of the final design solution</p>			<p>Y11 has been designed to enable students to learn about the scientific and mathematical aspects of construction, the students will work as quantity surveyors to undertake tasks and write a report in the form of a power point.</p> <p>Unit 3 highlights the carers and impact the construction industry has both locally and nationally. Students will plan and design a house for family of four, they will analyse the local area to ensure that all local constraints , budgeting and planning restrictions.</p>