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

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10	**Construction and Design 1** Client needs on low-rise buildings.	**Construction and Design 2** Client needs on low-rise buildings.	**Construction and Design 3** Graphically communicate the design	**Construction in Practical 1** Hazard identification, tool identification / training.	**Construction in Practical 2** Wasting techniques, Jointing techniques	**Construction in Practical 3** Assembly techniques, Finishing techniques.
11	**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.