



The Arts, PE & Technology Faculty

Construction

Subject Intent:

During the two year course students will explore the knowledge, understanding and skills required to work in the Construction Industry. They will undertake design and making tasks that explore the process of designing, creating and evaluating. The majority of the specification will be delivered through the practical application of the knowledge and understanding acquired.

Course Overview:

BTEC: Pearson/Edexcel Certificate in Construction & The Built Environment

The course is made up of 4 components and each component is worth 25%.

- Unit 1 – Construction Technology
 - Students will sit a one-hour external exam based on the understanding of structural performance in construction. Students will develop a detailed understanding of how walls, floors and roofs are constructed.
- Unit 2 – Construction & Design
 - Students will complete a project based on the main constraints when designing a building alongside prioritising a client's needs and wants with regards to new buildings.
- Unit 3 – Scientific & Mathematical Applications for Construction
 - Students will complete two tasks; one based on the scientific application of materials used in the construction industry and the other based on the mathematical application of design and build.
- Unit 6 – Exploring Carpentry & Joinery Principles
 - Students will learn to understand tools, materials and equipment used in carpentry and joinery. Students will also develop practical skills using safe techniques to build a timber frame.

Course Detail:

A list the key content students will cover, broken down into these headings

Construction & The Built Environment

This course allows students to study construction and the built environment, giving them the opportunity to gain a broad knowledge and understanding of the industry. Students will develop skills such as interpreting and analysing information, identifying the infrastructure required for safe and efficient work and understanding how client needs can shape building design.

The qualification is 120 GLH, which is the same size and level as a GCSE, and is aimed at everyone who wants to find out more about construction and the built environment.

Useful links

https://qualifications.pearson.com/content/dam/pdf/BTEC-Firsts/Construction-and-the-Built-Environment/2013/Specification-and-sample-assessments/BTECFIRST_AWARD_CBE_SPEC_ISS3.pdf