

Technology: Construction (BTEC)

Head of Faculty: Mrs S Taylor

Examination Board: Edexcel

The BTEC is a vocational qualification which offers you a broad range of skills and techniques. You will learn about the construction industry, the jobs and roles involved, the range and the types of work which are undertaken, sustainable construction techniques and the importance of health, safety and welfare.

What will I learn on this course?

On this course you will gain a broad knowledge and understanding of and develop skills in aspects of the construction industry, such as carpentry, joinery, brick work and plumbing.

What are the mandatory modules or units – what will I have to study?

Unit 1: Construction technology

This unit covers the different forms of construction which can be used for low-rise offices, retail units and homes. Learners will develop an understanding of the structural performance required for low-rise construction and explore how substructures and superstructures are constructed. This unit will be externally assessed through an examination.

Unit 2: Scientific and mathematical applications for Construction

In this unit learners will apply scientific and mathematical knowledge, understanding and skills to practical construction contexts. Learners will develop an understanding of the scientific principles affecting the performance of construction materials and develop skills to perform mathematical calculations in construction contexts.

Unit 3: Construction and design

In this unit learners will develop a broad understanding of the construction industry, the sort of projects it undertakes and the contribution it makes to wider society. Learners will also look at how client needs can shape the design of a building and develop their own design ideas to a given brief.

Units 2 and 3 are internally assessed and externally moderated. Students will then be assessed on a practical unit such as carpentry and joinery, brick and block work or plumbing.