

# BTEC Construction and the Built Environment



# What will I learn?

BTEC Firsts in Construction and the Built Environment can help you take your first steps towards a career in the construction industry. You'll learn essential principles such as Health & Safety, Building Materials and their constraints, applying Maths and Science in construction and developing skills in carpentry and joinery.



# What does the course cover?

This course allows you to study construction and the built environment, giving you the opportunity to gain a broad knowledge and understanding of the industry. You 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 and level 1/level 2, 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. It will give you the opportunity to learn about one of the most important sectors in the UK economy. You will study the following three compulsory units, covering the fundamental knowledge, skills and understanding required for construction technology and design:

- construction technology
- scientific and mathematical application for construction
- construction and design.

You will build on the knowledge gained in the compulsory units by completing an optional unit. This will provide you with an opportunity to develop a wider understanding and appreciation of a specific aspect of the construction industry, depending on your interests. The area covered is;

- exploring carpentry and joinery principles and techniques



# How will I be assessed?

## **There are 4 Units to complete**

Unit 1: Construction Technology is an exam that is sent away to be marked.

Unit 2: Scientific and Mathematical Applications for Construction (2 Written Assignments marked by your teacher, internally verified and externally moderated).

Unit 3: Construction and Design, you will be able to draw on the knowledge, skills and understanding you have developed in the qualification as a whole (1 Drawn and Written Assignment marked by your teacher, internally verified and externally moderated).

Unit 5: Exploring Carpentry and Joinery Principles and Techniques (1 Written Assignment and analysed practical work marked by your teacher, internally verified and externally moderated).

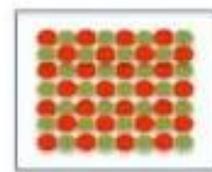
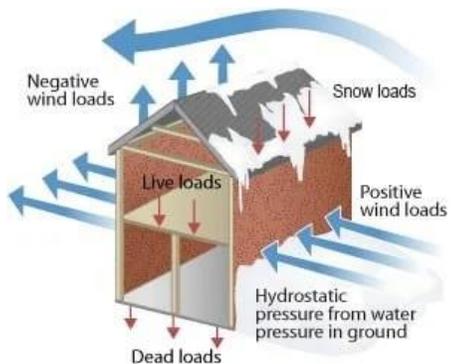
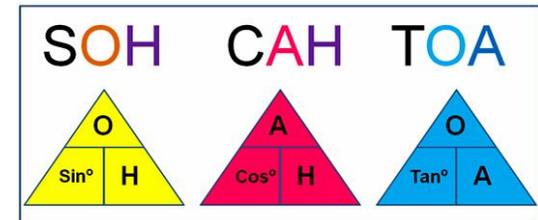
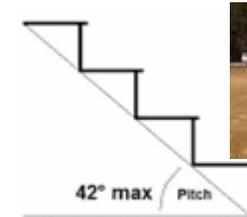
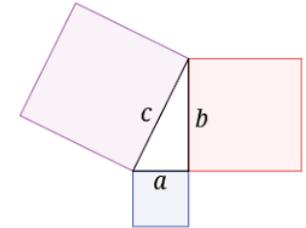
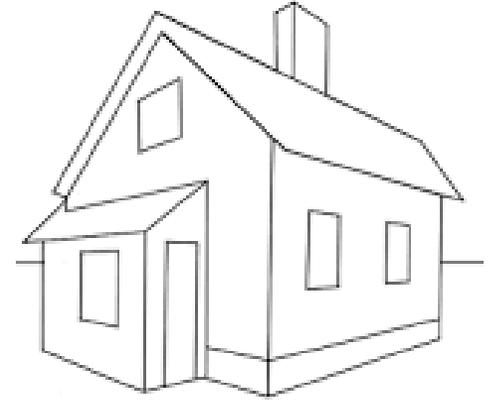


# You should take BTEC Construction if

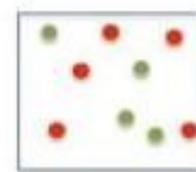
- ✓ You are interested in understanding how buildings are constructed
- ✓ You like learning about new materials that can be used
- ✓ You enjoy thinking critically and analysing how something could be done better, differently, sustainably or for cost implications
- ✓ You enjoy reading construction news articles in local papers
- ✓ You enjoy analysing building scenarios and designing buildings for specific contexts
- ✓ You think you might want to study Construction Level 3 at College

# What we need from you:

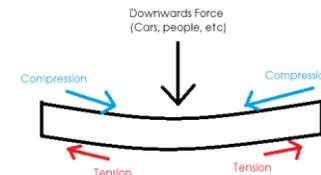
- ✓ Excellent IT skills
- ✓ Excellent literacy standards
- ✓ Ability to write well, edit and proof-read your work
- ✓ Good Maths and Science knowledge
- ✓ Willingness to work hard and independently
- ✓ Ability to study further outside of lessons
- ✓ An interest in reading beyond the specification



High Density



Low Density



We hope you enjoy choosing your subjects this week!

If you have any questions at all, please email Miss Tippett

[tippett@cambornescience.co.uk](mailto:tippett@cambornescience.co.uk)

