

BTEC Construction Learning Journey



Top 3 tips for parents and carers during KS4

- ✓ Purchase a revision guide & scientific calculator
- ✓ Use flashcards to test your child on recalling facts
- ✓ Make sure you know when the exam takes place in Year 10 and in Year 11.



What's your Plan A?

FE: Level 3 BTEC Construction

HE: Architecture, Civil engineering, Industrial Engineering

Career: Architecture, Engineer, British Aerospace.



Online learning during KS4

[Youtube: BTEC Construction](#)

[Quizlet](#)

[TES - BTEC Construction](#)

[Pearson - BTEC Construction](#)



PPE preparation for KS4

Identify command words in questions and make sure you know what they mean; make sure you can understand what the examiner is asking you before you start to write your answer.



Study skills for KS4

Create flashcards of key definitions, use questions in each chapter in revision guide to develop recall, use writing frames on Google Drive to structure answers, complete past paper questions and use mark scheme, download spec to use as a checklist.

Knowledge, skills and understanding

Mathematics Introduction to transposing of equations.

Year 10

Year 10

Mathematics within Architecture

Working out the stress, strain, load, and area and perimeter of house floor plans.

Scientific and Mathematical Principles
Transforming equations in relation to architectural scenarios.

Year 10

Year 10

Component 2: Construction in Practice

Year 10

Carpentry and Joinery

Developing hands on skills in preparation for Year 10 assessment.

Unit 3 A
Role of the construction industry: To research the differing roles in the construction industry and the importance of each sector.

Year 11

Year 10

Component 1: Construction Technology

Building loads, Testing of materials, fire resistance, thermal insulation, sound, weather.

Year 11

Year 11

Component 3: Construction and Design

Produce a range of initial sketch ideas to meet the requirements of a client brief for a low-rise building.

Unit 3 B
Construction and the build environment: Architectural floor plans, and a live brief given from the exam board.

Year 11

Unit 3 B

Produce a final sketch design that amends and refines the clients preferred design taking into account client feedback.