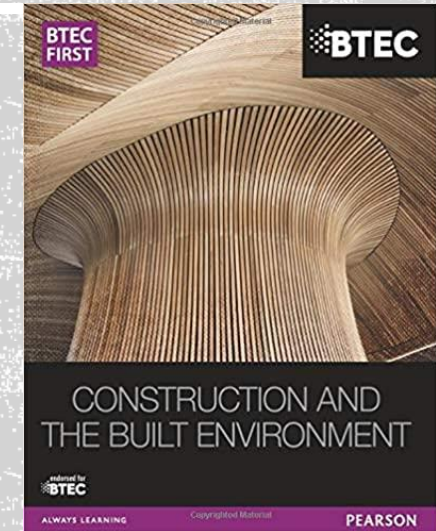
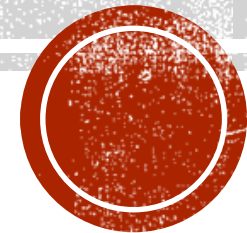
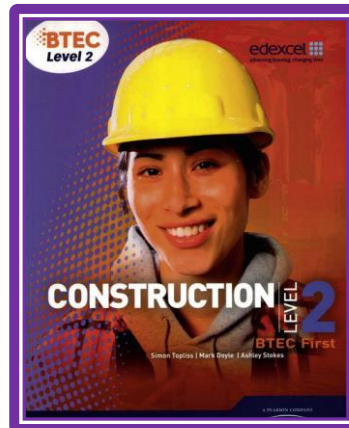


CONSTRUCTION AND THE BUILT ENVIRONMENT

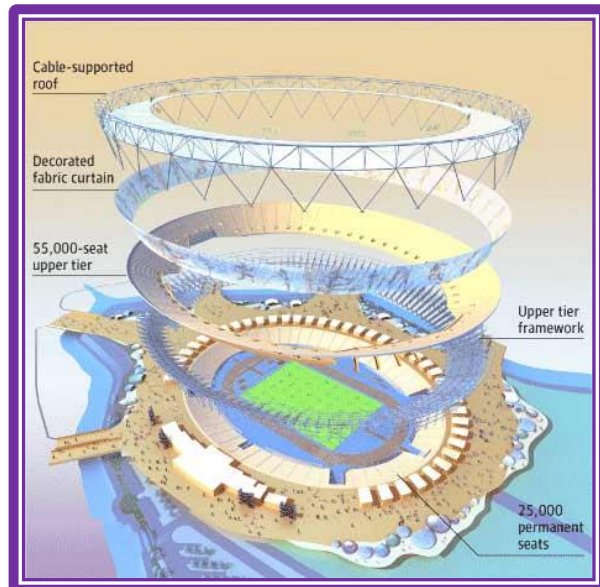


Pearson BTEC First Award



BTEC FIRST CERTIFICATE IN CONSTRUCTION

- Level 2 qualification.
- Equivalent to a G.C.S.E grades 9 - 4 only.
- Delivered by Mr Cunliffe



WHAT DOES THE COURSE CONSIST OF?

- 4 Units
- **Architecture and Design:** Looking at how construction can be brought into the 21st century, thinking about innovative ways to design new homes for a family's specific needs. **(25% of Overall Grade)**
- **Plumbing:** An introduction to the Key Trade of plumbing. **(25% of Overall Grade)**
- **Construction Technology: Externally set 1 hour exam** that tests the student's knowledge of how a house is constructed from foundation to the top of the roof. **(25% of Overall Grade)**
- **Maths and Science in Construction:** This Unit tests the students ability to carryout construction style mathematical calculations and scientific understanding of the materials used in construction. **(25% of Overall Grade)**



CONSTRUCTION AND THE BUILT ENVIRONMENT

WHY CHOOSE THIS COURSE?



Pearson
BTEC

© Shutterstock / Roman Sakhno

The image features a large purple rectangular area. In the top right corner, the Pearson BTEC logo is displayed, consisting of a teal circle with a white 'P' and the text 'Pearson BTEC' in white. The main part of the purple area contains a white wireframe architectural model of a multi-story building with a complex, angular roof structure. In the bottom right corner of the purple area, there is a small teal circle with a white 'P' and the text '© Shutterstock / Roman Sakhno' below it.



CONSTRUCTION AND THE BUILT ENVIRONMENT

A FEW POSSIBLE CAREER OPTIONS?

Quantity Surveying is not just a boring office job...

If you are looking for a role that is not office based, where no two days are the same and you enjoy making numbers add up then Quantity Surveying could be the job for you.

I joined Lovell as a Graduate Surveyor following the completion of a Quantity Surveyor & Commercial Management degree.

Major Budha, Graduate Quantity Surveyor

WHAT IS A QUANTITY SURVEYOR?
A construction industry professional with expert knowledge on construction costs and contracts.

HOW MUCH CAN I EARN?
Graduate positions start from about £20,000 and experienced Quantity Surveyors can expect to earn in excess of £40,000. A chief surveyors salary can exceed £70,000.




Surveying R.C.C Structure Design

Civil Engineering

Strength of Materials Applied Mechanics Waste Water

Software AutoCAD SAP2000 GIS Supply Engineering

Structural Design Specifications Estimating

Highway Engineering Soil Mechanics

Concrete Technology Building Materials Construction Management Technical Writing Construction Costing

Theory of Structures



JOB OPPORTUNITY

Health, Safety & Environmental Officer

Closing date: 30 March 2020 at 5:00 pm



Site Management is not just a job for the boys...

After a two year finishing opportunity with Lovell I was offered a place on the management trainee scheme. Having been supported through my construction management degree by Lovell I am now a fully qualified site manager.

My job is great, no two days are ever the same and I have a real sense of achievement when I see families moving into their new homes.

Amanda Hooby, Site Manager



Career in Architecture




OVERVIEW OF THE COURSE

- **GCSE/BTEC Information: SUBJECT Design and Technology**

- **BTEC First Award in Construction**

- **Equivalent to 1 G.C.S.E 9 - 4 Grade**

- **Would you enjoy:**

- Practical situations including problem solving along with producing accurate pieces of work following instructions to a high standard?
- Working with tools and equipment to carryout practical plumbing tasks?
- Using computer design packages (Google Sketch Up) to produce potential architectural designs for new housing?
- Studying for an externally set exam, testing knowledge of Construction Technology
- Carrying out calculations and scientific experiments to solve construction problems?
- If you have answered yes to any of the questions above, then GCSE/BTEC SUBJECT is a possible option choice for you.

- **What do I need to know, or able to do before taking this course?**

- This is a new course that is not taught at any stage during Key Stage Three. You will learn lots of new skills and must be able to complete the course to at least a C – Grade standard. If you require any further information please speak to Mr Cunliffe.

- **What will I learn?**

- The qualification provides a specialist work-related programme of study aimed at learners with an interest in working in the design and construction industry. The BTEC First Award in Construction will provide you with a theoretical and practical understanding of the fundamental aspects of the industry, as well as an appreciation of the knowledge, skills and competency needed when considering entering employment in the sector.

- During the course students will experience a range of practical construction activities including: Plumbing, architectural designing, scientific testing to overcome problems for construction engineers along with health and safety aspects of construction and managerial skills and techniques.

- When undertaking theory tasks pupils will cover a range of topics, for example: Construction and the built environment, health safety and welfare in construction and the underpinning knowledge to the practical design and plumbing units.

- **How will I be assessed?**

- There are four Units to complete during the qualification.
- Unit 1 – Is an externally set and marked 1-hour exam.
- Units 2-4 are internally set and marked by your teacher.
- Each of the four Units hold 25% of the overall grade for the course.

- **What can I do after I've completed this course?**

- **The course is a basis as an introduction to one of the biggest employers and industries in the country. The course is a well -recognised and highly sought-after qualification which can be the passport into further education along with many professions and areas of employment.**

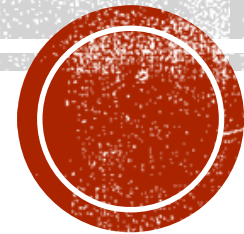
- **Examination Board: Edexcel/Pearson**

- **Specification: BTEC Construction and the Built Environment**

- **Head of Department: Mr T. Heyes**



CONSTRUCTION AND THE BUILT ENVIRONMENT



Thank you for your interest.

Any questions please see Mr S Cunliffe (Design and
Technology Faculty)

