

# Subject: Construction and the built environment first award level 1 /2

## Exam Board:

BTECH edexcel Pearson

- Text Books ISBN9781446906576/Resources: can purchase for school shop/ pupils have been given photocopy exam unit from textbook and work book.
- Pupils have been given revision pack/ past papers
- Example coursework projects.
- Work book/ revision guide –given to pupils
- Use tick list of exam specification given to understand what to revise for unit 1 exam

## Websites:

<https://www.designingbuildings.co.uk/wiki/Home>

<https://qualifications.pearson.com/en/qualifications/btec-firsts/construction-and-the-built-environment-2013-nqf.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FExternal-assessments>

## Assessment details:

**Unit 1** external exam can re sit May 17<sup>th</sup> if haven't passed. Find out early March result. Students need at least PL1 to pass the course. Text book

**Unit 2** internal coursework : CONSTRUCTION AND DESIGN

**Unit 3** internal coursework : SCIENTIFIC AND MATHEMATICAL APPLICATIONS FOR CONSTRUCTION

**Unit 8:** Exploring Painting and Decorating Principles and Techniques

## Further Topic Details:

**UNIT 1 Section A** Understand the structural performance required for low rise construction

**Section B** Explore how substructures are constructed **Section C** Superstructures walls, floors, roofs

**UNIT 2** Design and the construction industry – **Part A : Understand the work of the construction**

**industry** website design **Part B** Understand a client's needs to develop a design brief for a low-rise building and **C** Produce a range of initial sketch ideas to meet the requirements of a client brief for a low-rise building

**UNIT 8** Outlined tools, materials, equipment used in painting and decorating. Explain and justify why chose for specific jobs. Talk about alternative jobs and materials and tools. Risk Assessment. Identify risks, hazards and control measures.

How you can help:

**Exam Unit 1**

Test your son/ daughter on cross sectional views/government drawings of buildings, that were given to pupils to take home. Get them to sketch and label.

Download past papers/mark schemes from this link

<https://qualifications.pearson.com/en/qualifications/btec-firsts/construction-and-the-built-environment-2013-nqf.coursematerials.html#filterQuery=category:Pearson-UK:Category%2FExternal-assessments>

Help them learn these hatchings (patterns) for different materials

[https://www.designingbuildings.co.uk/wiki/Standard\\_hatching\\_styles\\_for\\_drawings](https://www.designingbuildings.co.uk/wiki/Standard_hatching_styles_for_drawings)

**Unit 1 Use specification** given to pupils with exam content to help them plan revision for sections A, B and C. Ask them about the positives and negatives of construction methods e.g. cavity walls, SIPS panels, brown field v green field site

**Ask pupils about coursework units 2, and 8.** Have they completed them? What do they need to do next? When are the deadlines?

**Unit 2** Have they analysed the client's needs? Have they used research and analysis to write a client brief? Have they got 3/4 designs that meet the client's needs? Have they analysed the designs against the brief? Have they got a final design which takes into account client feedback?

**Unit 3.** Is it tidy? Have they got all the correct titles/ labels on diagrams

**Unit 8** Have they explained what tools and materials they have used and why? Have they talked about alternative materials, tools and jobs? Have they filled out a Risk assessment for the booth identifying Risk, Hazard, who at risk and control measure?

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