

# Revising Btec Construction

Topics on this paper	Pages to revise in the revision text book
<p><b>Learning Aim A - understand the structural performance required for low-rise construction</b></p> <p><b>Topic A.1 Performance requirements</b></p> <ul style="list-style-type: none"> <li>○ Strength and stability</li> <li>○ Fire resistance</li> <li>○ Thermal insulation</li> <li>○ Sound insulation</li> <li>○ Weather resistance</li> <li>○ Sustainability</li> </ul>	P.4-16
<p><b>Topic A.2 Common structural forms for low-rise construction</b></p> <ul style="list-style-type: none"> <li>○ traditional cavity wall construction</li> <li>○ cross-wall construction</li> <li>○ structural</li> <li>○ timber-framed construction</li> </ul>	P.16-18
<p><b>Learning aim B: Explore how sub-structures are constructed</b></p> <p><b>Topic B.1 Preconstruction work</b></p> <p>Desk-based preconstruction:</p> <ul style="list-style-type: none"> <li>○ legal requirements</li> <li>○ planning</li> <li>○ producing a programme of work</li> </ul> <p>Site-based preconstruction:</p> <ul style="list-style-type: none"> <li>○ demolition and clearance of existing structures</li> <li>○ enabling work</li> <li>○ site set-up</li> </ul>	P. 19
<p><b>Topic B.2 Sub-structure groundworks</b></p> <ul style="list-style-type: none"> <li>○ hazards associated with groundworks</li> <li>○ control of water</li> <li>○ earthwork support</li> <li>○ function of a foundation</li> <li>○ understand how foundations are detailed</li> </ul>	P. 20-24

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<b>Learning aim C: Explore how superstructures are constructed</b>  <b>Topic C.1 Superstructures – walls</b>  <b>Topic C.2 Superstructures – floors</b>  <b>Topic C.3 Superstructures – roofs</b>	P.24-28
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**Where are the revision resources?**

Revision topics	What resources to use (website links, student: drive titles of folders/ documents; books recommended etc.)
<b>Paper 1</b>	<u>Barnwell</u> – broad PowerPoint resources providing coverage of U1 topics with Q&A opportunities
Unit 1 – Construction Technology	Past Papers <u>P:\Students\Construction\REVISION MATERIALS\Past Papers</u>  <u>Lesson Materials</u>  <u>Construction Glossary of Terms</u>  Photocopied booklets containing required information with learning activities are available in lesson

### Three Examination Tips Specific to this Subject

Examination Paper 1 – Unit 1 Construction Technology  
 Students **state / Identify / Give** short answers to test knowledge

Students apply knowledge and understanding to explain a concept/ process. Answer must **contain the answer** with **BECAUSE** followed by an **explanation**.

The use of the correct technical terms should be understood and used at all times

Evaluation questions require **comparisons** to be made between question specific aspects with positives and negatives identified and discussed resulting in a **conclusion**. Bullet pointing can aid clarity for these kind of questions.