



# Construction

OPTION - CONSTRUCTION	Content
Year 10 HT 1	<p><b>NEA Practical Assignment:</b> Students will be practising carpentry skills and undertaking the carpentry skills assessment, producing a window frame, architrave and skirting board. Students will also be required to produce a structural survey, working drawing and work plan covering the stages in the completion of the construction tasks. They will also assess the physical hazards, risks of injury, and recommend appropriate control measures to comply with Health &amp; Safety.</p>
Year 10 HT 2	<p><b>NEA Practical Assignment:</b> Students will be continuing with the carpentry skills assessment, using mitre cutting saws to manufacture and fix the architrave to cover the gap between the structural opening and the window frame. Students will also be deciding on the success criteria and construction tolerances to assess the quality of their practical work and complete the project report covering tools, materials, construction method followed, including the PPE required, and appropriate control measures to reduce the risk of injury.</p>
Year 10 HT 3	<p><b>NEA Practical Assignment:</b> Students will be completing the carpentry skills element of their practical assessment focusing on the setting and assessment against the success criteria to ensure a quality outcome. Revision of Health &amp; Safety legislation with reference to exemplar situations, and assessment of hazards, risk of injury and control measures as applied to their practical assessment.</p>
Year 10 HT 4	<p><b>Symbols and conventions used in building regulations</b>, documents required for the construction contract, and sequencing the work activities to achieve a construction project within the agreed timescale and contract costing.</p>
Year 10 HT 5	<p>Students will be learning how to plan the sequence of work to meet <b>the requirements of a construction contract</b>, and how to include health and safety requirements before starting the work activities without delaying the contract. Selection of construction materials that are environmentally sustainable whilst meeting the performance standards of the contract.</p>
Year 10 HT 6	<p>Students will practise their <b>bricklaying practical skills</b>, applying the gauge rod and use of long level/line to develop their evaluation skills to check for the quality of level/plumb of their stretcher bond brick wall. Task planning and construction drawing for Building Control, material calculations and costing, PPE assessment, and Health and Safety risk assessment and control measures. Final evaluation of the completed practical task.</p>
Year 11 HT 1	<p><b>NEA Practical Assignment:</b> Students will be undertaking the painting and decorating skills assessment, including applying patterned wallpaper to the internal surface of the mock wall. Theory revision in preparation for the Safety &amp; Security examination focusing on construction legislation, the role of the HSE, and risk assessments including fire risk management.</p>
Year 11 HT 2	<p><b>NEA Practical Assignment:</b> Students will be completing the painting and decorating, including wallpapering skills assessment. Students will also be deciding on the success criteria and construction tolerances to assess the quality of their practical work and complete the project report. Theory revision in preparation for the Safety &amp; Security pre public examination focusing on construction legislation, fire risk management, and construction site security.</p>
Year 11 HT 3	<p><b>NEA Practical Assignment:</b> Students will review the Sunny Cove Lodge report for the bricklaying, carpentry, and painting &amp; decorating practicals for final submission. Calculation and costing of the resources required to complete construction tasks, including VAT. Selection of material for construction tasks with consideration of the positive and negative attributes, and sustainability features i.e. cost, availability and recyclability. Contractual timing agreements and programme, types and definitions of costings for a construction project.</p>
Year 11 HT 4	<p><b>Unit 3: Planning Construction Projects:</b> Students will use their knowledge of construction practical skills and health and safety requirements to plan development projects in a construction environment.</p>
Year 11 HT 5	<p><b>Revision and Preparation for the external examinations:</b> Unit 1 - Safety &amp; Security in Construction Unit 3 - Planning Construction Projects</p>