

Year 10 Curriculum Overview 2017-2018



Subject: BTEC Construction

Term		Content	Assessment
Autumn Term	Half Term 1	<p>Pupils will complete:</p> <p>Unit 1 – Construction Technology – Learning Aim A</p> <p>Topic A.1 – Performance requirements: strength and stability, fire resistance, thermal insulation, thermal resistance, sound insulation, weather resistance, sustainability</p> <p>Topic A.2 – Common structural forms for low-rise construction. Traditional cavity wall construction: cross-wall construction, structurally insulated panels, timer-framed construction</p>	External examination questions
	Half Term 2	<p>Pupils will complete:</p> <p>Unit 1 – Construction Technology – Learning Aim C</p> <p>Topic C.1 – Superstructure, walls: detailing a wall, materials used, wall finishes, wall openings</p> <p>Topic C.2 – Superstructure, floors: materials, floor finishes, floor components</p> <p>Topic C.3 – Superstructure, roofs: function of a roof, details of roofs, components and materials</p> <p>Revision</p>	External examination questions
Spring Term	Half Terms 3&4	<p>Pupils will complete:</p> <p>Unit 6 – Exploring Carpentry & Joining Principles & Techniques: Learning Aim A</p> <p>Topic A.1 – Tools and materials for carpentry and joinery. Setting-out tools, cutting tools, drilling tools, fixing tools, equipment, materials, types of glue and fixings, finishing materials.</p> <p>Topic A.2 – Safe use and storage of carpentry and joinery tools, materials and equipment, selecting and using PPE, maintaining a tidy work area, safe manual handling techniques, cleaning tools, safe use of storage tools and equipment.</p>	<p>Internal assessments</p> <p>Level 1, Level 2 (Pass, Merit, Distinction)</p> <p>Practical product (timber frame)</p>

Term		Content	Assessment
Summer Term	Half Term 5	<p>Pupils will complete:</p> <p>Unit 6 – Exploring Carpentry and Joining Principles and Techniques - Learning Aim B</p> <p>Topic B.1 – Health and safety: Identifying hazards and risks, identifying people at risk, control measures, safe working practices.</p> <p>Topic B.2 – Construction of a timber frame: timber joints, marking out a timber frame, useful techniques for cutting basic joints, assembling your timber frame.</p>	<p>Internal assessments</p> <p>Level 1, Level 2 (Pass, Merit, Distinction)</p>
	Half Term 6	<p>Pupils will complete:</p> <p>Unit 3 – Science and Mathematical Applications for Construction - Learning Aim A</p> <p>Topic A.1 – Effect of forces: forces and construction materials, nature of forces, determining the effects of forces</p> <p>Topic A.2 – Changes in temperature: typical construction materials, scientific principles</p>	<p>Internal assessments</p> <p>Level 1, Level 2 (Pass, Merit, Distinction)</p>