

## CURRICULUM OFFER

<b>Subject</b>	
<b>Intent</b>	<p>Constructing the Built Environment Level 1 / 2 Award is designed to support learners in developing an awareness of certain key considerations. It mainly supports learners in schools and colleges who want to learn about the construction industry from the build perspective. It provides learners with a broad introduction to the different trades involved in the sector and the types of career opportunities available. (WJEC)</p> <p>Design and technology is a practical and valuable subject. It enables children and young people to actively contribute to the creativity, culture, wealth and well-being of themselves, their community and their nation. It teaches how to take risks and so become more resourceful, innovative, enterprising and capable. Students develop a critical understanding of the impact of design and technology on daily life and the wider world. Additionally, it provides excellent opportunities for students to develop and apply value judgements of an aesthetic, economic, moral, social, and technical nature both in their own designing and when evaluating the work of others. GCSE (AQA) level 1 &amp; 2 Materials work along with the GCSE.</p>
<b>Implementation</b>	<p>Although each students' timetable is bespoke, generally KS3 student's access one lesson per week, while KS4 students access two to three lessons per week.</p> <p>In KS3 pupils will produce projects ranging from Bird boxes, clocks and personalised projects that will enhance skills with a wide range of tools and materials while following the design process.</p> <p>Most Design &amp; Technology students in KS4 work towards GCSE Resistant Materials (AQA). Students which are interested in Construction can be entered for Level 1 &amp; 2 Construction.</p> <p>Students for whom it is not suitable to work towards any accreditation, are supported equally in the development of their skills and ideas. Students explore materials and ideas in depth and complete a project: Developing ideas, linked with exploring existing products, exploration of materials, recording work in Folders and producing final outcomes.</p> <p>Students' work is assessed regularly and students continually have verbal feedback in lessons. for formal assessment, students are using the doddle system within the centres, on a half termly basis.</p>
<b>Impact</b>	<p>CITB are delighted to have been able to work with WJEC to develop the Level 1 / 2 Construction Qualifications which are based on industry approved content and provide the opportunity to inspire the next generation of young people to consider Construction in its widest context as a career of choice</p> <p>Design Technology is an inspiring, rigorous and practical subject. It provides visual, tactile and sensory experiences and a special way of understanding and responding to the world by ensuring that pupil's design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values.</p>

	<p>It enables children to communicate what they see, feel and think through the use of disciplines such as mathematics, science, engineering, computing and art. Children become involved in shaping their environments through Design Technology activities by the taking of risks, becoming resourceful, innovative, enterprising and capable citizens. They learn to make informed judgements and aesthetic and practical decisions through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world.</p>																				
<p><b>Accreditations</b></p>	<p>CITB are delighted to have been able to work with WJEC to develop the Level 1 / 2 Construction Qualifications which are based on industry approved content and provide the opportunity to inspire the next generation of young people to consider Construction in its widest context as a career of choice.</p> <table border="1" data-bbox="357 685 1433 887"> <thead> <tr> <th colspan="4"><b>WJEC Level 1/2 Awards in Constructing the Built Environment</b></th> </tr> <tr> <th><b>Unit Number</b></th> <th><b>Unit Title</b></th> <th><b>Assessment</b></th> <th><b>GLH</b></th> </tr> </thead> <tbody> <tr> <td>9811</td> <td>Safety and security in construction</td> <td>External</td> <td>30</td> </tr> <tr> <td>9812</td> <td>Practical construction skills</td> <td>Internal</td> <td>60</td> </tr> <tr> <td>9813</td> <td>Planning construction projects</td> <td>Internal</td> <td>30</td> </tr> </tbody> </table> <p><b>Resistant Materials Technology 4562</b>            This specification is Design and Technology offered by AQA. There is one tier of assessment covering grades A* to G.            Unit 1: Written Paper (45601)            2 hours –120 marks – 40%            Candidates answer all questions in two sections            Pre-Release material issued            plus            Unit 2: Design and Making Practice (45602)            Approximately 45 hours – 90 marks – 60%            Consists of a single design and make activity selected from a range of board set tasks</p> <p>Princes Trust</p>	<b>WJEC Level 1/2 Awards in Constructing the Built Environment</b>				<b>Unit Number</b>	<b>Unit Title</b>	<b>Assessment</b>	<b>GLH</b>	9811	Safety and security in construction	External	30	9812	Practical construction skills	Internal	60	9813	Planning construction projects	Internal	30
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<p><b>Enrichment opportunities</b></p>	<p>We have two well-resourced sites in Langdon Hills &amp; Fairview. Each Design Technology room is well resourced with a range of machines &amp; tools and 2 computers available for folder work. Pupils have access to Laser cutting machine using TechSoft and 3D printer to aid modelling of project and use 3D software CAD/CAM.</p> <p>Teachers will be taking some students to ProCat to help students understand more about Apprenticeship. The Design Technology department will also take some students to a taster day at Southend college to explore future prospects.</p>																				