

Key Stage 4 Tech Award in Construction Programme of Study

Following the Pearson '2 year delivery model (with external re-sit)

Year Group	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
10	<p>Topic/Enquiry: Construction in practice: Brickwork and block work</p> <p>Key knowledge: Risk assessments, identification, rating matrix, people at risk, control measures. Measuring, marking and setting out, use of equipment, reading and interpreting construction drawings, effective marking out</p> <p>Assessment: Internally assessed and externally moderated assignment brief: Understanding hazards and risks for safe production of a practical construction outcome</p> <p>Values: Integrity, commitment, respect, teamwork, safety, trust</p>	<p>Topic/Enquiry: Construction in practice: Brickwork and block work. Construction Technology</p> <p>Key knowledge: Measuring, marking and setting out, use of equipment, reading and interpreting construction drawings, effective marking out Purpose, use and safe storage of brickwork, equipment and materials. Trowel skills. Strength, stability, fire and weather resistance</p> <p>Assessment: Internally assessed and externally moderated assignment brief: Being able to produce a practical construction outcome</p> <p>Values: Integrity, commitment, respect, teamwork, safety, trust</p>	<p>Topic/Enquiry: Construction in practice: Brickwork and block work. Construction Technology</p> <p>Key knowledge: Production of a practical construction outcome. Jointing, accuracy, dimension checks, through the application of trowel skills and quality controls used for cavity wall construction. Thermal and sound insulation, sustainability.</p> <p>Assessment: Internally assessed and externally moderated assignment brief: Being able to produce a practical construction outcome</p> <p>Values: Integrity, commitment, respect, teamwork, safety, trust</p>	<p>Topic/Enquiry: Construction in practice: Brickwork and block work</p> <p>Key knowledge: Production of a practical construction outcome. Jointing, accuracy, dimension checks, through the application of trowel skills and quality controls used for Cavity wall construction.</p> <p>Assessment: Internally assessed and externally moderated assignment brief: Being able to produce a practical construction outcome</p> <p>Values: Integrity, commitment, respect, teamwork, safety, trust</p>	<p>Topic/Enquiry: Construction and Design Construction Technology</p> <p>Key knowledge: Architectural client briefs, understanding the needs, requirements and constraints on design Legal requirements, planning, demolition, site set up, sub-structure groundworks</p> <p>Assessment: Internally assessed and externally moderated assignment brief: Understanding the needs of a client and the constraints on design when designing a low-rise building.</p> <p>Values: Integrity, commitment, respect, teamwork, innovation, continuous improvement</p>	<p>Topic/Enquiry: Construction and Design Construction Technology</p> <p>Key knowledge: Production of a client brief, generation of sketch designs, house design, floor plans and room dimensions, response to client feedback. Super-structure walls, floors and roofs.</p> <p>Assessment: Internally assessed and externally moderated assignment brief: Be able to graphically communicate the design of a low-rise building.</p> <p>Values: Integrity, commitment, respect, teamwork, innovation, continuous improvement</p>
11	<p>Topic/Enquiry: Construction and Design Construction Technology</p> <p>Key knowledge: Production of a client brief, generation of sketch designs, house design, floor plans and room dimensions, response to client feedback. Type of work undertaken and the range of construction activities: civil engineering, industrial, commercial, residential, retail, healthcare, education, leisure, transportation systems, protecting the community</p> <p>Assessment: Internally assessed and externally moderated assignment brief: Be able to graphically communicate the design of a low-rise building.</p> <p>Values: Integrity, commitment, respect, teamwork, innovation, continuous improvement</p>	<p>Topic/Enquiry: Construction Technology</p> <p>Key knowledge: Strength, stability, fire and weather resistance, thermal and sound insulation, sustainability. Cavity wall, modular, timber and steel framed.</p> <p>Assessment: Weekly internal assessments using past paper questions in preparation for the externally marked exam.</p> <p>Values: Integrity, commitment, respect, accountability, resilience</p>	<p>Topic/Enquiry: Construction Technology</p> <p>Key knowledge: Legal requirements, planning, demolition, site set up, sub-structure groundworks, super-structure walls, floors and roofs.</p> <p>Assessment: Weekly internal assessments using past paper questions in preparation for the externally marked exam.</p> <p>Values: Integrity, commitment, respect, accountability, resilience</p>	<p>Topic/Enquiry: Construction Technology External Assessment</p> <p>Key knowledge: Re-visiting and revision for those learners requiring a re-sit external assessment.</p> <p>Assessment: Weekly internal assessments using past paper questions in preparation for the externally marked exam.</p> <p>Values: Integrity, commitment, respect, accountability, resilience</p>	<p>Topic/Enquiry: Construction and Design</p> <p>Key knowledge: Type of work undertaken and the range of construction activities: civil engineering, industrial, commercial, residential, retail, healthcare, education, leisure, transportation systems, protecting the community</p> <p>Assessment: Weekly internal assessments using past paper questions in preparation for the externally marked exam.</p> <p>Values: Integrity, commitment, respect, accountability, resilience</p>	