

<b>Year Group: KS4 (Year A)</b>	<b>Term: Summer 2</b>
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**Occupational Studies: Bricklaying**

<b>Key Concepts</b>	<b>SMSC &amp; British Val</b>	<b>Lesson Objectives</b>	<b>Key Vocabulary</b>
<p>Identification and use of hand tools in bricklaying                      Selection and description of materials for bricklaying                      Understanding and application of PPE in construction settings                      Safe working practices in constructing half-brick walls                      Teamwork, communication, and responsible workshop behaviour                      Maintaining a clean and safe working environment</p> <p><b>Prior Knowledge</b></p> <p>Basic understanding of health and safety in practical environments (e.g., from KS3 Design &amp; Technology)                      General awareness of workshop routines and expectations                      Experience with following instructions and working collaboratively                      Basic manual dexterity and familiarity with simple hand tools (desirable but not essential)</p> <p><b>Cross-Curricular Links</b></p> <p>Mathematics: Measuring, calculating quantities, understanding ratios (mortar mix), spatial awareness                      Science: Properties of materials, chemical reactions (setting of mortar), forces and structures                      English: Following written and verbal instructions, technical vocabulary, communication skills                      PSHE: Health and safety, teamwork, personal responsibility</p>	<p><b>Social:</b> Working collaboratively, respecting others' contributions, effective communication  <b>Moral:</b> Understanding the importance of safety, responsibility for self and others  <b>Spiritual:</b> Pride in craftsmanship, personal achievement  <b>Cultural:</b> Awareness of construction's role in society and the built environment  <b>British Values:</b> Rule of law (health and safety regulations), mutual respect, individual liberty (making safe choices), democracy (teamwork and shared decision-making)</p> <p><b>Assessment</b></p> <p>Formative questioning and observation during lessons                      Peer and self-assessment of practical tasks                      End-of-unit knowledge check (tools, materials, PPE)                      Practical assessment: construction of a half-brick wall to specified standard                      Evaluation of teamwork, communication, and workshop behaviour</p> <p><b>Adaptations</b></p> <p>Scaffolded vocabulary and visual aids for EAL and SEND learners                      Step-by-step instructions and checklists for practical tasks                      Peer support and mixed-ability grouping for collaborative work                      Additional time or modified tasks for students with physical or learning needs                      Use of models, diagrams, and hands-on demonstrations to reinforce concepts</p>	<ol style="list-style-type: none"> <li>1. Identify and describe the main hand tools use in basic bricklaying processes.</li> <li>2. Identify and describe the main materials used in basic bricklaying processes.</li> <li>3. Identify and describe appropriate PPE used in basic bricklaying processes.</li> <li>4. Demonstrate safe selection and use of hand tools to begin constructing a half-brick wall in stretcher bond.</li> <li>5. Maintain a clean and tidy work environment and work responsibly with others during practical bricklaying tasks.</li> <li>6. Seek and respond to guidance, follow instructions, and communicate appropriately when working as part of a team to complete a half-brick wall.</li> </ol> <p><b>Links to Future Learning</b></p> <p>Progression to Level 2 Construction or Bricklaying qualifications                      Application of safe working practices in other construction trades                      Advanced walling techniques (e.g., English bond, Flemish bond)                      Site preparation and setting out                      Introduction to construction project management</p>	<p>Trowel                      Spirit level                      Brick hammer                      Jointing tool                      Line and pins                      Brick/block                      Mortar                      Sand                      Cement                      Water                      PPE (Personal Protective Equipment)                      Safety boots                      Gloves                      Goggles                      Hi-vis vest                      Stretcher bond                      Course                      Stopped end                      Safe working practices                      Teamwork                      Communication</p>

**Possible Enrichment:**

Visit to a local construction site or college construction department. Guest speaker from the construction industry (e.g., bricklayer, site manager). Participation in a bricklaying competition or skills challenge.