



## Unit Specification for Regulated Qualifications

<b>Unit title</b>	Conserving or Restoring Stonemasonry, Brickwork or Earthen Structures in the Workplace
<b>Unit Level</b>	3
<b>Credit</b>	27
<b>Guided Learning Hours</b>	100
<b>SQA Unit code</b>	completed by SQA
<b>Regulator Unit code</b>	T/616/5623
<b>Publication date</b>	completed by SQA
<b>Unit owner and reference</b>	SQA
<b>Version</b>	1

<b>Title:</b>	Conserving or restoring stonemasonry, brickwork or earthen structures in the workplace	
<b>Level:</b>	3	
<b>Value for TQT:</b>	270	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when conserving or restoring stonemasonry, brickwork or earthen structures.	1.1	Interpret and extract information from drawings, specifications, schedules, manufacturers' information and method statements.
	1.2	Comply with information and/or instructions derived from risk assessments and/or method statement.
	1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> <li>– drawings, specifications, method statements, schedules, manufacturers' information, archaeological watching brief, historical conservation plans and charters, legislation and regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when conserving or restoring stonemasonry, brickwork or earthen structures.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when conserving or restoring stonemasonry, brickwork or earthen structures.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when conserving or restoring stonemasonry, brickwork or earthen structures.
	3.2	Explain why and when personal protective equipment (PPE) should be used, relating to conserving or restoring stonemasonry, brickwork or earthen structures, and the types, purpose and limitations of each type.
	3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.

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4 Select the required quantity and quality of resources for the methods of work to conserve or restore stonemasonry, brickwork or earthen structures.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– timber, props, bricks, stone, aggregates, cements, lime, mortar (lime and cements), earth, damp-proof barriers (slate), insulation, fixings, aftercare equipment and associated ancillary items</li> <li>– hand and/or powered tools and equipment.</li> </ul>
	4.2	Select resources associated with own work in relation to materials, components, fixings, tools and equipment
	4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
	4.4	Outline potential hazards associated with the resources and method of work.
	4.5	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to conserve or restore stonemasonry, brickwork or earthen structures
5 Minimise the risk of damage to the work and surrounding area when conserving or restoring stonemasonry, brickwork or earthen structures.	5.1	Protect the work and its surrounding area from damage.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.4	Dispose of waste in accordance with legislation.
	5.5	State why the disposal of waste should be carried out in relation to the work.
6 Complete the work within the allocated time when conserving or restoring stonemasonry, brickwork or earthen structures.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

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7 Comply with the given contract information to conserve or restore stonemasonry, brickwork or earthen structures to the required specification.	7.1 Demonstrate the following work skills when conserving or restoring stonemasonry, brickwork or earthen structures: <ul style="list-style-type: none"> <li>– measuring, marking out, removing, raking out, renewing, shaping, shoring, propping, strutting, plumbing, levelling, fitting, finishing, positioning and securing.</li> </ul>	
	7.2 Prepare, conserve, repair or refurbish existing stonemasonry, brickwork or earthen structures to given working instructions, to: <ul style="list-style-type: none"> <li>– replicate existing structures</li> <li>– stabilise existing structures</li> <li>– prepare mortars appropriately to the existing joint finishes</li> <li>– integrate surface finishes.</li> </ul>	
	7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– erect and dismantle temporary support to structures</li> <li>– replicate existing structures to agreed specification (honest repair)</li> <li>– stabilise structures</li> <li>– joint finish structures to agreed specification</li> <li>– prepare mortars to agreed specification</li> <li>– render surfaces</li> <li>– validate appropriate ways in which the work should be carried out</li> <li>– recognise sensitive areas</li> <li>– maintain heritage and archaeological integrity</li> <li>– maintain the principles of minimum intervention and reversible alterations</li> <li>– stop work at the point when conjecture begins and report findings</li> <li>– record work carried out (written, photographic or digital)</li> <li>– recognise and/or report endangered/protected flora and fauna</li> <li>– remove deteriorated and/or inappropriate materials</li> <li>– maintain existing structures</li> <li>– integrate existing and new constructional components or finishes</li> <li>– store salvageable materials and structural components</li> <li>– use hand tools, power tools and equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>	

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7 Continued.	7.4	Safely use and store materials, hand tools, portable power tools and ancillary equipment.
	7.5	State the needs of other occupations and how to communicate within a team when conserving or restoring stonemasonry, brickwork or earthen structures.
	7.6	Describe how to maintain the tools and equipment used when conserving or restoring stonemasonry, brickwork or earthen structures.

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<b>Additional information about this unit</b>	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure. Please refer to the NVQ Structure applicable to the qualification/occupational area in which the candidate is being assessed.</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90