



**ProQual Level 3 NVQ Diploma in Heritage Skills
(Construction) – Roof Slating & Tiling Occupations**

Qualification Specification

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Introduction

The ProQual Level 3 NVQ Diploma in Heritage Skills (Construction) – Roof Slating and Tiling Occupations qualification provides a nationally recognised qualification for those working in the construction industry who want to specialise in Heritage Skills.

The awarding body for this qualification is ProQual Awarding Body (www.proqualab.com) and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual); It is also endorsed by the sector body for construction - CITB.

The qualification has been accredited onto the Regulated Qualifications Framework (RQF) and is published on Ofqual's Register of Qualifications.

Qualification Profile

Level 3 NVQ Diploma in Heritage Skills (Construction) – Roof Slating and Tiling Occupations

Qualification title	ProQual Level 3 NVQ Diploma in Heritage (Construction) Skills – Roof Slating and Tiling Occupations
Ofqual qualification number	603/7585/1
Level	3
Total Qualification Time	1720 hours (675 GLH)
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	14/6/2021
Qualification end date	

Entry Requirements

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

Qualification Structure

To achieve the qualification candidates must complete:

- EIGHT Mandatory units
- plus TWO Optional units

Mandatory Units – complete ALL units			CITB references provided for information only
Unit Ref.	Title	Level	CITB Internal Unit Ref.
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	641
A/503/2772	Confirming work activities and resources for an occupational work area in the workplace	3	209v2
M/503/2915	Developing and maintaining good occupational working relationships in the workplace	5	210v2
R/503/2924	Confirming the occupational method of work in the workplace	3	211v2
M/615/8315	Working on conservation and restoration projects in the workplace Unit Endorsements: <i>One of the following endorsements required:</i> Roofing Lead work Brickwork Earthen structure Stonemasonry Decoration Plastering Wall and floor tiling Carpentry and joinery Iron/metal work Thatching	3	546v2
L/618/7319	Re-laying heritage roof coverings in the workplace Unit endorsements: <i>Three of the following endorsements required:</i> Single-lap clay tiles Clay plain tiles Peg tiles Stone slates Regular sized natural slates Random length and width natural slates Flashings Related fittings and components	3	500

F/618/7320	Replacing heritage roof coverings in the workplace <u>Unit endorsements:</u> <i>Two of the following endorsements required:</i> <i>Vernacular and roofing styles specific to geographical areas</i> <i>Places of religious worship</i> <i>Stately homes</i> <i>Public buildings</i> <i>Historic buildings</i> <i>Castles and/or fortified buildings</i> <i>Conservation areas</i> <i>Listed buildings</i>	3	501
L/618/7322	Repairing and maintaining heritage roof coverings in the workplace <u>Unit endorsements:</u> <i>Two of the following endorsements required:</i> <i>Vernacular and roofing styles specific to geographical areas</i> <i>Places of religious worship</i> <i>Stately homes</i> <i>Public buildings</i> <i>Historic buildings</i> <i>Castles and/or fortified buildings</i> <i>Conservation areas</i> <i>Listed buildings</i>	3	502
OPTIONAL UNITS – TWO units required			CITB references provided for info. only
Unit Ref.	Title	Level	CITB Internal Unit Ref.
D/618/6417	Installing plain tile roof coverings in the workplace <u>Unit Endorsements:</u> <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	2	275v2
R/618/7323	Installing regular sized natural roof slate to standard roof slate details in the workplace <u>Unit Endorsements:</u> <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	2	276v2
J/618/6413	Installing natural roof slate to mitred and vertical roof details in the workplace <u>Unit Endorsements:</u> <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	278v2
L/618/6414	Installing random natural roof slates with diminishing margins in the workplace <u>Unit Endorsements:</u> <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	279v2

H/618/6418	Installing single-lap roof tiles to a fixed gauge in the workplace <u>Unit Endorsements:</u> <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	2	282v2
K/618/6419	Installing double-lap roof tiles to curved and swept roof details in the workplace <u>Unit Endorsements:</u> <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	286v2
Y/618/7324	Fabricating and installing weathering leadwork to roofs in the workplace	3	287v2
D/618/7325	Installing natural roof slates to curved and swept roof details in the workplace <u>Unit Endorsements:</u> <i>One of the following endorsements required:</i> <i>New materials</i> <i>Reclaimed materials</i>	3	288v2

Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

Staff

Staff delivering this qualification must be appropriately qualified and/or occupationally competent.

Assessors/Internal Quality Assurance

Assessors for each 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.

Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or internal quality assurance qualifications.

Support for Candidates

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

Links to National Standards / NOS mapping

National Occupational Standards (NOS) are owned by a Sector Skills Council or Standard Setting Body and they describe the skills, knowledge and understanding needed to undertake a particular task or job at different levels of competence.

The structure and units of this qualification are based on NOS for the construction sector developed by CITB.

Assessment

This qualification is competence-based, candidates must demonstrate the level of competence described in the units. Assessment is the process of measuring a candidate's skill, knowledge and understanding against the standards set in the qualification.

The qualifications must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment, and it must be internally assessed by an appropriately experienced and qualified assessor.

Each candidate is required to produce a portfolio of evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

- Evidence can include:
- observation report by assessor
 - assignments/projects/reports
 - professional discussion
 - witness testimony
 - candidate product
 - worksheets
 - record of oral and written questioning
 - Recognition of Prior Learning

Learning outcomes set out what a candidate is expected to know, understand or be able to do.

Assessment criteria specify the standard a candidate must meet to show the learning outcome has been achieved.

Learning outcomes and assessment criteria can be found from page 10.

Additional information for assessment and requirements for unit **endorsements** where relevant is included after all of the learning outcomes and assessment criteria for each unit.

Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

Adjustments to Assessment

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

Certification

Candidates who achieve the requirements for this qualification will be awarded:

- A certificate listing all units achieved, and
- A certificate giving the full qualification title -

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Claiming certificates

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully achieved the qualification. All certificates will be issued to the centre for successful candidates.

Unit certificates

If a candidate does not achieve all of the units required for a qualification, the centre may claim a unit certificate for the candidate which will list all of the units achieved.

Replacement certificates

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.	
Unit Number:	M/508/6537	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Comply with all workplace health, safety and welfare legislation requirements.	1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
	1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
	1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
	1.4	State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
	1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
	1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
	1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.
2 Recognise hazards associated with the workplace that have not been previously controlled and report them in accordance with organisational procedures.	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
	2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.
	2.3	List the current Health and Safety Executive top ten safety risks.

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
2 continued	2.4	List the current Health and Safety Executive top five health risks.
	2.5	State how changing circumstances within the workplace could cause hazards.
	2.6	State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
3 Comply with organisational policies and procedures to contribute to health, safety and welfare.	3.1	Interpret and comply with given instructions to maintain safe systems of work and quality working practices.
	3.2	Contribute to discussions by offering/providing feedback relating to health, safety and welfare.
	3.3	Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures.
	3.4	Safely store health and safety control equipment in accordance with given instructions.
	3.5	Dispose of waste and/or consumable items in accordance with legislation.
	3.6	State the organisational policies and procedures for health, safety and welfare, in relation to: <ul style="list-style-type: none"> – dealing with accidents and emergencies associated with the work and environment – methods of receiving or sourcing information – reporting – stopping work – evacuation – fire risks and safe exit procedures – consultation and feedback.
	3.7	State the appropriate types of fire extinguishers relevant to the work.
	3.8	State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Work responsibly to contribute to workplace health, safety and welfare whilst carrying out work in the relevant occupational area.	4.1	Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare.
	4.2	State how personal behaviour demonstrates responsibility for general workplace health, safety and welfare, in relation to: <ul style="list-style-type: none"> – recognising when to stop work in the face of serious and imminent danger to self and/or others – contributing to discussions and providing feedback – reporting changed circumstances and incidents in the workplace – complying with the environmental requirements of the workplace.
	4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5 Comply with and support all organisational security arrangements and approved procedures.	5.1	Provide appropriate support for security arrangements in accordance with approved procedures: <ul style="list-style-type: none"> – during the working day – on completion of the day’s work – for unauthorised personnel (other operatives and the general public) – for theft.
	5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.
Additional information about this unit	
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>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	7

Units – Learning Outcomes and Assessment Criteria

Title:	Confirming work activities and resources for an occupational work area in the workplace	
Unit Number:	A/503/2772	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Identify work activities, assess required resources and plan the sequence of work.	1.1	Identify work activities, assess required resources and plan the sequence of work.
	1.2	Identify work activities and formulate a plan for their own sequence of work.
	1.3	Explain the types of work relative to the occupational area and how to identify different work activities.
	1.4	Explain methods of assessing the resources needed from a range of available information.
	1.5	Explain the required information and the different methods used to prepare a work programme relative to the occupational area.
2 Obtain clarification and advice where the resources required are not available.	2.1	Seek advice and clarity from appropriate sources on resources available and the alternatives that can be used for the work when required resources are not available.
	2.2	Explain the different sources and methods that can be used to obtain clarification and advice when the required resources are not available.
3 Evaluate the work activities and the requirements of any significant external factors against the project requirements.	3.1	Assess progress of work against project requirements, taking into account external factors relating to: <ul style="list-style-type: none"> – other occupations and /or customers – resources – weather conditions – health and safety requirements.
	3.2	Explain different methods of evaluating work activities against the following project requirements: <ul style="list-style-type: none"> – contract conditions – contract programme – health and safety requirements of operatives.
	3.3	Evaluate the requirements of significant external factors that could affect the progress of work, in relation to: <ul style="list-style-type: none"> – other related programmes – special working conditions – weather conditions – other occupations/people – resources – health and safety requirements.

Units – Learning Outcomes and Assessment Criteria

Title:	Confirming work activities and resources for an occupational work area in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Identify work activities which influence each other and make the best use of the resources available.	4.1	Determine work activities that have an influence on each other.
	4.2	Evaluate which work activities make the best use of available resources in relation to: <ul style="list-style-type: none"> – occupations and/or customers associated with the work – tools, plant and/or ancillary equipment – materials and components.
	4.3	Explain different methods and sources that can identify which work activities influence each other.
	4.4	Describe how to determine the sequence of work activities and how long each work activity will take.
	4.5	Describe what zero and low carbon requirements are.
	4.6	Explain how work activities and different ways of using resources can impact on zero and low carbon requirements, and make a positive contribution to the environment.
5 Identify changed circumstances that require alterations to the work programme and justify them to decision makers.	5.1	Evaluate project progress against the work programme to identify any changed circumstances.
	5.2	Inform line management and/or customers on the type and extent of any required changes to the work programme.
	5.3	Explain how to identify possible alterations to the work programme to meet changed circumstances relating to action lists, method statements, duration, schedules and/or occupation specific requirements.
	5.4	Explain how to assess contractual/work effects resulting from alterations to the work programme.
	5.5	Explain the methods used to justify to decision makers on the effects resulting from alterations to the work programme.

Units – Learning Outcomes and Assessment Criteria

Title:	Confirming work activities and resources for an occupational work area in the workplace
Additional information about this unit	
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>
Subject Sector Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Units – Learning Outcomes and Assessment Criteria

Title:	Developing and maintaining good occupational working relationships in the workplace	
Unit Number:	M/503/2915	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Develop, maintain and encourage working relationships to promote good will and trust.	1.1	Give appropriate advice and information to relevant people about the occupational work activities and/or associated occupations involved.
	1.2	Apply the principles of equality and diversity by considering the needs of individuals when working and communicating with others.
	1.3	Explain the methods and techniques used and personal attributes required to encourage and maintain working relationships that promote goodwill and trust with relevant people.
	1.4	Explain the principles of equality and diversity and how to apply them when working and communicating with others.
2 Inform relevant people about work activities in an appropriate level of detail, with the appropriate level of urgency.	2.1	Communicate on the following work activity information to relevant people following organisational procedures: <ul style="list-style-type: none"> – appropriate timescales – health and safety requirements – co-ordination of work procedures.
	2.2	Explain the different methods and techniques used to inform relevant people about work activities.
	2.3	Explain the effects of not informing relevant people with the expected level of urgency.
	2.4	Explain the different types of work activity related information and to what level of detail the following people would expect to receive: <ul style="list-style-type: none"> – colleagues – employers – customers – contractors – suppliers of products and services – other people affected by the work/project.

Units – Learning Outcomes and Assessment Criteria

Title:	Developing and maintaining good occupational working relationships in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Offer advice and help to relevant people about work activities and encourage questions/requests for clarification and comments.	3.1	Give appropriate advice and information to relevant people about the different methods of carrying out occupational work activities to achieve the required outcome.
	3.2	Explain the techniques of encouraging questions and/or requests for clarification and comments.
	3.3	Explain the different ways of offering advice and help to different people about work activities, in relation to: <ul style="list-style-type: none"> – progress – results – achievements – occupational problems – occupational opportunities – health and safety requirements – co-ordinated work.
4 Clarify proposals with relevant people and discuss alternative suggestions.	4.1	Engage regular discussions with relevant people about the occupational work activity and/or other occupations involved.
	4.2	Explain the methods of clarifying alternative proposals with relevant people.
	4.3	Explain the methods of suggesting alternative proposals.
5 Resolve differences of opinion in ways that minimise offence and maintain goodwill, trust and respect.	5.1	Examine and agree the work activities that satisfy all people involved and will meet the required outcome of the proposed method of work.
	5.2	Explain the methods and techniques used to resolve differences of opinion in ways which minimise offence and maintain goodwill, trust and respect.

Units – Learning Outcomes and Assessment Criteria

Title:	Developing and maintaining good occupational working relationships in the workplace
Additional information about this unit	
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>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	27

Units – Learning Outcomes and Assessment Criteria

Title:	Confirming the occupational method of work in the workplace	
Unit Number:	R/503/2924	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Assess available project data accurately to determine the occupational method of work.	1.1	Interpret and extract information from drawings, specifications, schedules, manufacturer's information, methods of work, risk assessments and programmes of work.
	1.2	Explain how to summarise the following project data: <ul style="list-style-type: none"> – required quantities – specifications – detailed drawings – health and safety requirements – timescales – scope of works.
	1.3	Explain the different methods of assessing available project data.
	1.4	Explain how to use project data to interpret the work method, In relation to: <ul style="list-style-type: none"> – standard work procedures – sequence of work – organisation of resources (people, equipment, materials) – work techniques – working conditions (health, safety and welfare) – risk assessment.
2 Obtain additional information from alternative sources in cases where the available project data is insufficient.	2.1	Collect and collate additional information from alternative sources to clarify the work to be carried out.
	2.3	Explain different methods and techniques of obtaining additional information from the following alternative sources when available project data is insufficient: <ul style="list-style-type: none"> – customers or representatives – suppliers – regulatory authorities – manufacturer's literature.

Units – Learning Outcomes and Assessment Criteria

Title:	Confirming the occupational method of work in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Identify work methods that will make best use of resources and meet project, statutory and contractual requirements.	3.1	Examine potential work methods to carry out the occupational work activity.
	3.2	Determine which work methods will make best use of relevant resources and meet health and safety requirements relating to technical and/or project criteria.
	3.3	Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against technical criteria, in relation to: <ul style="list-style-type: none"> – health and safety welfare (principles of protection) – fire protection – access and egress – equipment availability – availability of competent workforce – pollution risk – waste and disposal – zero and low carbon outcomes – weather conditions.
	3.4	Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against project criteria, in relation to: <ul style="list-style-type: none"> – conforming to statutory requirements – customer and user needs – contract requirements in terms of time, quantity and quality – environmental considerations.
	3.5	Explain how different methods of work can achieve zero/low carbon outcomes.
4 Confirm and communicate the selected work method to relevant personnel.	4.1	Confirm the selected occupational work method that meets project, statutory and contractual requirements.
	4.2	Communicate appropriately to relevant people on the selected occupational work method.
	4.3	Describe the different techniques and methods of confirming and communicating work methods to relevant people.
	4.4	Explain the principles of equality and diversity and how to apply them when working and communicating with others.

Units – Learning Outcomes and Assessment Criteria

Title:	Confirming the occupational method of work in the workplace
Additional information about this unit	
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>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	37

Units – Learning Outcomes and Assessment Criteria

Title:	Working on conservation and restoration projects in the workplace	
Unit Number:	M/615/8315	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when working on conservation and restoration projects.	1.1	Interpret and extract relevant information from drawings, specifications, method statements, schedules and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – drawings, specifications, method statements, schedules, manufacturers' information, archaeological watching brief, historical conservation plans and charters, legislations and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when working on conservation and restoration projects.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when working on conservation and restoration projects.	3.1	Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when working on conservation and restoration projects.
	3.2	Comply with information relating to specific risks to health when working on conservation and restoration projects.

Units – Learning Outcomes and Assessment Criteria

Title:	Working on conservation and restoration projects in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to working on conservation and restoration projects, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
	3.5	Describe 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.
4 Select the required quantity and quality of resources for the methods of work to work on conservation and restoration projects.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – conservation and restoration materials or structural components – hand and/or powered tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to work on conservation and restoration projects.

Units – Learning Outcomes and Assessment Criteria

Title:	Working on conservation and restoration projects in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 Minimise the risk of damage to the work and surrounding area when working on conservation and restoration projects.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when working on conservation and restoration projects.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to work on conservation and restoration projects to the required specification.	7.1	Demonstrate the following work skills when working on conservation and restoration projects: <ul style="list-style-type: none"> – measuring, marking out, adapting, aligning, applying, making good, maintaining, conserving, restoring or reinstating, finishing, positioning and securing.
	7.2	Use specialist heritage and historical conservation/restoration skills to sample, select, prepare, match, maintain or repair in at least one of the following occupational areas, to given working instructions: <ul style="list-style-type: none"> – roofing – lead work – brickwork – earthen structure – stonemasonry – decoration – plastering – wall and floor tiling – carpentry and joinery – iron/metal work

Units – Learning Outcomes and Assessment Criteria

Title:	Working on conservation and restoration projects in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when working on conservation and restoration projects.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – validate appropriate ways in which the work should be carried out – recognise sensitive areas – maintain heritage and archaeological integrity – maintain the principles of minimum intervention and reversible alterations – remove deteriorated and/or inappropriate materials – remove and restore fabric, materials or structural components – repair removed fabric, materials or structural components – replace fabric, materials or structural components – repair fabric, materials or structural components in-situ – maintain existing structure – integrate existing and new constructional components or finishes – store salvageable fabric, materials and structural components – stop work at the point when conjecture begins and report findings – record work carried out (written, photographic or digital) – recognise and/or report endangered/protected flora and fauna – use hand tools, power tools and equipment – work at height – use access equipment.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when working on conservation and restoration projects.
	7.7	Describe how to maintain the tools and equipment used when working on conservation and restoration projects.

Units – Learning Outcomes and Assessment Criteria

Title:	Working on conservation and restoration projects in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling (Construction)</u></p> <p>One of the following endorsements required:</p> <ul style="list-style-type: none"> Roofing Lead work Brickwork Earthen structure Stonemasonry Decoration Plastering Wall and floor tiling Carpentry and joinery Iron/metal work Thatching
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Units – Learning Outcomes and Assessment Criteria

Title:	Re-laying heritage roof coverings in the workplace	
Unit Number:	L/618/7319	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when re-laying heritage roof coverings	1.1	Interpret and extract information from drawings, specifications, method statements, schedules and manufacturers' information.
	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"> – drawings, specifications, method statements, schedules, manufacturers' information, archaeological watching brief, historical conservation plans and charters, legislations and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when re-laying heritage roof coverings.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	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 re-laying heritage roof coverings.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when re-laying heritage roof coverings.
	3.2	Explain why and when personal protective equipment (PPE) should be used, relating to re-laying heritage roof coverings, 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.

Units – Learning Outcomes and Assessment Criteria

Title:	Re-laying heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to re-lay heritage roof coverings.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – battens, sarking boards, sand, cement, lime, underlay, tiles, natural slates/stone slates, fittings, flashings, insulation, fixings, ventilators and associated ancillary items – hand and/or powered tools and equipment.
	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 re-lay heritage roof coverings.
5 Minimise the risk of damage to the work and surrounding area when re-laying heritage roof coverings.	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 re-laying heritage roof coverings.	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"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Units – Learning Outcomes and Assessment Criteria

Title:	Re-laying heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
<p>7 Comply with the given contract information to re-lay heritage roof coverings to the required specification.</p>	<p>7.1 Demonstrate the following work skills when re-laying heritage roof coverings:</p> <ul style="list-style-type: none"> – removing, cleaning, stacking, storing, preparing, measuring, marking out, fixing, fitting, finishing, positioning and securing. 	
	<p>7.2 Strip existing roof coverings and re-lay either to full or partial re-roofing contracts to given working instructions, relating to at least three of the following:</p> <ul style="list-style-type: none"> – single-lap clay tiles – clay plain tiles – peg tiles – stone slates – regular sized natural slates – random length and width natural slates – flashings – related fittings and components. 	
	<p>7.3 Apply re-laid materials to the following areas to given working instructions:</p> <ul style="list-style-type: none"> – verges – eaves – ridge – hips – valleys – openings – top and side abutments – general areas. 	
	<p>7.4 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – remove and salvage reusable existing roof coverings – determine gauge and fix battens and underlays (where required) appropriate to the roof covering – fix direct to boarded surfaces (sarking) – restore full or partial natural slates/stone slates and/or tiled roofs in keeping with the existing roof covering – mix and apply mortar to meet the requirements of the contract – validate appropriate ways in which the work should be carried out – recognise sensitive areas – maintain heritage and archaeological integrity – maintain the principles of minimum intervention and reversible alterations – stop work at the point when conjecture begins and report findings 	

Units – Learning Outcomes and Assessment Criteria

Title:	Re-laying heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 continued	7.4 cont	<ul style="list-style-type: none"> – record work carried out (written, photographic or digital) – recognise and/or report endangered/protected flora and fauna – remove deteriorated and/or inappropriate materials – maintain existing structure – integrate existing and new constructional components – store salvageable materials and components – use hand tools, power tools and equipment – use ancillary equipment – work at height – use access equipment.
	7.5	Safely use and store materials, hand tools, portable power tools and ancillary equipment.
	7.6	State the needs of other occupations and how to communicate within a team when re-laying heritage roof coverings.
	7.7	Describe how to maintain the tools and equipment used when re-laying heritage roof coverings.

Units – Learning Outcomes and Assessment Criteria

Title:	Re-laying heritage roof coverings in the workplace
Additional information about this unit	
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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling (Construction)</u></p> <p>Three of the following endorsements required:</p> <ul style="list-style-type: none"> Single-lap clay tiles Clay plain tiles Peg tiles Stone slates Regular sized natural slates Random length and width natural slates Flashings Related fittings and components
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	97

Units – Learning Outcomes and Assessment Criteria

Title:	Replacing heritage roof coverings in the workplace	
Unit Number:	F/618/7320	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when replacing heritage roof coverings.	1.1	Interpret and extract information from drawings, specifications, method statements, schedules and manufacturers' information.
	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"> – drawings, specifications, method statements, schedules, manufacturers' information, archaeological watching brief, historical conservation plans and charters, legislations and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when replacing heritage roof coverings.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	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 replacing heritage roof coverings.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when replacing heritage roof coverings.
	3.2	Explain why and when personal protective equipment (PPE) should be used, relating to replacing heritage roof coverings, 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.

Units – Learning Outcomes and Assessment Criteria

Title:	Replacing heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to replace heritage roof coverings.	4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – battens, sarking boards, sand, cement, lime, underlay, tiles, natural slates/stone slates, fittings, flashings, insulation, fixings, ventilators and associated ancillary items – hand and/or powered tools and equipment. 	
	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 replace heritage roof coverings.	
5 Minimise the risk of damage to the work and surrounding area when replacing heritage roof coverings.	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 replacing heritage roof coverings.	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"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme. 	

Units – Learning Outcomes and Assessment Criteria

Title:	Replacing heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
<p>7 Comply with the given contract information to replace heritage roof coverings to the required specification.</p>	<p>7.1 Demonstrate the following work skills when replacing heritage roof coverings:</p> <ul style="list-style-type: none"> – removing, cleaning, stacking, storing, preparing, measuring, marking out, fixing, fitting, finishing, positioning and securing. 	
	<p>7.2 Strip existing roof coverings and replace full roofs or elevations to given working instructions relating to at least two of the following:</p> <ul style="list-style-type: none"> – vernacular and roofing styles specific to geographical areas (e.g. Kent pegs, Yorkshire stone slates) – places of religious worship – stately homes – public buildings – historic buildings – castles and/or fortified buildings – conservation areas – listed buildings. 	
	<p>7.3 Replace roof coverings in the following areas to given working instructions:</p> <ul style="list-style-type: none"> – verges – eaves – ridge – hips – valleys – openings – top and side abutments – general areas. 	
	<p>7.4 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – remove and salvage reusable existing roof coverings – determine gauge and fix battens and underlays (where required) appropriate to the roof covering – fix direct to boarded surfaces (sarking) – replace full or partial natural slates/stone slates and/or tiled roofs in keeping with the existing roof covering or an earlier style where required – mix and apply mortar to meet the requirements of the contract – validate appropriate ways in which the work should be carried out – recognise sensitive areas 	

Units – Learning Outcomes and Assessment Criteria

Title:	Replacing heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 continued	7.4 cont	<ul style="list-style-type: none"> – maintain heritage and archaeological integrity – maintain the principles of minimum intervention and reversible alterations – stop work at the point when conjecture begins and report findings – record work carried out (written, photographic or digital) – recognise and/or report endangered/protected flora and fauna – remove deteriorated and/or inappropriate materials – maintain existing structure – integrate existing and new constructional components or finishes – store salvageable materials and structural components – use hand tools, power tools and equipment – use ancillary equipment – work at height – use access equipment.
	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 replacing heritage roof coverings.
	7.6	Describe how to maintain the tools and equipment used when replacing heritage roof coverings.

Units – Learning Outcomes and Assessment Criteria

Title:	Replacing heritage roof coverings in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the Construction Skills' 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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling (Construction)</u></p> <p>Two of the following endorsements required:</p> <ul style="list-style-type: none"> Vernacular and roofing styles specific to geographical areas Places of religious worship Stately homes Public buildings Historic buildings Castles and/or fortified buildings Conservation areas Listed buildings
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	97

Units – Learning Outcomes and Assessment Criteria

Title:	Repairing and maintaining heritage roof coverings in the workplace	
Unit Number:	L/618/7322	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when repairing and maintaining heritage roof coverings.	1.1	Interpret and extract information from drawings, specifications, method statements, schedules and manufacturers' information.
	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"> – drawings, specifications, method statements, schedules, manufacturers' information, archaeological watching brief, historical conservation plans and charters, legislations and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when repairing and maintaining heritage roof coverings.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	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 repairing and maintaining heritage roof coverings.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when repairing and maintaining heritage roof coverings.
	3.2	Explain why and when personal protective equipment (PPE) should be used, relating to repairing and maintaining heritage roof coverings, 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.

Units – Learning Outcomes and Assessment Criteria

Title:	Repairing and maintaining heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to repair and maintain heritage roof coverings.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – battens, sarking boards, sand, cement, lime, underlay, tiles, natural slates/stone slates, fittings, flashings, insulation, fixings, ventilators and associated ancillary items – hand and/or powered tools and equipment.
	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 repair and maintain heritage roof coverings.
5 Select the required quantity and quality of resources for the methods of work to repair and maintain heritage roof coverings.	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 repairing and maintaining heritage roof coverings.	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"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Units – Learning Outcomes and Assessment Criteria

Title:	Repairing and maintaining heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 Comply with the given contract information to repair and maintain heritage roof coverings to the required specification.	7.1	Demonstrate the following work skills when repairing and maintaining heritage roof coverings: <ul style="list-style-type: none"> – removing, cleaning, stacking, storing, preparing, measuring, marking out, fixing, fitting, finishing, positioning and securing.
	7.2	Repair existing roof coverings and carry out maintenance to roofs or elevations to given working instructions, relating to at least two of the following: <ul style="list-style-type: none"> – vernacular and roofing styles specific to geographical areas (e.g. Kent pegs, Yorkshire stone slates) – places of religious worship – stately homes – public buildings – historic buildings – castles and/or fortified buildings – conservation areas – listed buildings.
	7.3	Repair and maintain roofs to given working instructions in at least three of the following ways: <ul style="list-style-type: none"> – replace natural slates/stone slates and/or tiles – replace battens – replace hip and ridge coverings – replace flashings – clear and treat blockages to gutters, outlets and other draining areas – re-bed and point – torch (back pointing).
	7.4	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"> – differentiate between like-for-like repairs and honest repairs, including date marking – remove and salvage reusable existing roof coverings – identify and resolve roof leaks, blockages and general repairs in keeping with the existing roof covering – fix slate or stone to boarded surfaces (sarking) – identify and implement preventative remedial and maintenance work – mix and apply mortar to meet the requirements of the contract – torch (back point) – validate appropriate ways in which the work should be carried out

Units – Learning Outcomes and Assessment Criteria

Title:	Repairing and maintaining heritage roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 continued	7.4 cont	<ul style="list-style-type: none"> – recognise sensitive areas – maintain heritage and archaeological integrity – maintain the principles of minimum intervention and reversible alterations – stop work at the point when conjecture begins and report findings – record work carried out (written, photographic or digital) – recognise and/or report endangered/protected flora and fauna – remove deteriorated and/or inappropriate materials – maintain existing structure – integrate existing and new constructional components or finishes – store salvageable fabric, materials and structural components – use hand tools, power tools and equipment – use ancillary equipment – work at height – use access equipment.
	7.5	Safely use and store materials, hand tools, portable power tools and ancillary equipment.
	7.6	State the needs of other occupations and how to communicate within a team when repairing and maintaining heritage roof coverings.
	7.7	Describe how to maintain the tools and equipment used when repairing and maintaining heritage roof coverings.

Units – Learning Outcomes and Assessment Criteria

Title:	Repairing and maintaining heritage roof coverings in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the Construction Skills' 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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling (Construction)</u></p> <p>Two of the following endorsements required:</p> <ul style="list-style-type: none"> Vernacular and roofing styles specific to geographical areas Places of religious worship Stately homes Public buildings Historic buildings Castles and/or fortified buildings Conservation areas Listed buildings
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	87

Units – Learning Outcomes and Assessment Criteria

Title:	Installing plain tile roof coverings in the workplace	
Unit Number:	D/618/6417	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing plain tile roof coverings.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – oral/written working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing plain tile roof coverings.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing plain tile roof coverings.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing plain tile roof coverings.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing plain tile roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2	Demonstrate compliance with given information and relevant legislation when installing plain tile roof coverings in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing plain tile roof coverings, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install plain tile roof coverings.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – plain tiles, fittings, fixings, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, sand, cement and additives – hand tools, power tools and ancillary equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing plain tile roof coverings in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install plain tile roof coverings.
5 Minimise the risk of damage to the work and surrounding area when installing plain tile roof coverings.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing plain tile roof coverings.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to install plain tile roof coverings to the required specification.	7.1	Demonstrate the following work skills when installing plain tile roof coverings: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.
	7.3	Install, plain roof tiles and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following: <ul style="list-style-type: none"> – general areas – eaves and top course – abutments – openings (roof lights, widows) – dry and/or wet fix verges, ridges, hips and valleys.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing plain tile roof coverings in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 Continued	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit tiles, fittings and roofing components to the required size and shape – set out and install tiles and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows), abutments and general areas – set out and install tiles to vertical surfaces including gable ends, openings, penetrations and internal and external corners – mix sand, cement and additives – mix proprietary roofing grade mortar – install vents, ridge ventilation and other high level ventilation – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – understand the uses and limitations of hand-made/crafted clay tiles – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing plain tile roof coverings.
	7.6	Describe how to maintain the tools and equipment used when installing plain tile roof coverings.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing plain tile roof coverings in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and 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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling</u></p> <p>One of the following endorsements required:</p> <p>New materials</p> <p>Reclaimed materials</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	57

Units – Learning Outcomes and Assessment Criteria

Title:	Installing regular sized natural roof slate to standard roof details in the workplace	
Unit Number:	R/618/7323	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing natural roof slate to standard roof details.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements
	1.3	Describe 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: – oral/written working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings
2 Know how to comply with relevant legislation and official guidance when installing regular sized natural roof slate to standard roof details	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: – in the workplace, 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
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports
3 Maintain safe and healthy working practices when installing regular sized natural roof slate to standard roof details	3.1	Use health and safety control equipment safely and comply with the Page 7 of 10nocn.org.uk nocn@nocn.org.uk 0300 999 1177 methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing regular sized natural roof slate to standard roof details

Units – Learning Outcomes and Assessment Criteria

	<p>3.2 Demonstrate compliance with given information and relevant legislation when installing regular sized natural roof slate to standard roof details in relation to the following: – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health</p>
	<p>3.3 Explain why and when health and safety control equipment identified by the principles of prevention should be used, relating to installing regular sized natural roof slate to standard roof details, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV)</p>
	<p>3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions</p>
	<p>3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities</p>
<p>4 Select the required quantity and quality of resources for the methods of work to install regular sized natural roof slate to standard roof details</p>	<p>4.1 Select resources associated with own work in relation to materials, components, fixings, tools and equipment</p>
	<p>4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – regular sized natural slates, fixings, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, sand, cement and additives – hand tools, power tools and ancillary equipment</p>
	<p>4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported</p>
	<p>4.4 Explain why the organisational procedures have been developed and how they are used for the selection of required resources</p>
	<p>4.5 Describe any potential hazards associated with the resources and methods of work.</p>
	<p>4.6 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install regular sized natural roof slate to standard roof details</p>

Units – Learning Outcomes and Assessment Criteria

<p>5 Minimise the risk of damage to the work and surrounding area when installing regular sized natural roof slate to standard roof</p>	<p>5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures</p>
	<p>5.2 Minimise damage and maintain a clean work space</p>
	<p>5.3 Dispose of waste in accordance with current legislation</p>
	<p>5.4 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions</p>
	<p>5.5 Explain why the disposal of waste should be carried out in relation to the work safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance</p>
<p>6 Complete the work within the allocated time when installing regular sized natural roof slate to standard roof details</p>	<p>6.1 Demonstrate completion of the work within the allocated time</p>
	<p>6.2 Describe the purpose of the work programme and explain why deadlines should be kept in relation to: – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme</p>
<p>7 Comply with the given contract information to install regular sized natural roof slate to standard roof details to the required specification</p>	<p>7.1 Demonstrate the following work skills when installing regular sized natural roof slate to standard roof details: – measuring, setting out, marking out, grading, holing, cutting, fitting, mixing, positioning, securing and finishing</p>
	<p>7.2 Use and maintain hand tools, power tools and ancillary equipment</p>
	<p>7.3 Install regular sized natural roof slates to battens and/or boards and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following: – general areas – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges, ridges, hips and valleys</p>

Units – Learning Outcomes and Assessment Criteria

	<p>7.4 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – assess suitability of sub -structure – identify and report faults with sub -structure and roof interfaces – determine lap and gauge dimensions – cut and fit slates, fittings and roofing components to the required size and shape – grade and hole slates – fix slates to battens or direct to boarded areas – set out and install slates and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows), abutments, and general areas – install vents, ridge ventilation and other high level ventilation – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized slates – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and ancillary equipment – work at height – use access equipment/working platforms.
	<p>7.5 Describe the needs of other occupations and how to effectively communicate within a team when installing regular sized natural roof slate to standard roof details</p>
	<p>7.6 Describe how to maintain the tools and equipment used when installing regular sized natural roof slate to standard roof details</p>

Units – Learning Outcomes and Assessment Criteria

Title:	Installing regular sized natural roof slate to standard roof details in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and 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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling</u></p> <p>One of the following endorsements required:</p> <p>New materials</p> <p>Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Unit Number:	J/618/6413	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing natural roof slate to mitred and vertical roof details.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – oral/written working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing natural roof slate to mitred and vertical roof details.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing natural roof slate to mitred and vertical roof details.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing natural roof slate to mitred and vertical roof details.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 continued	3.2	Demonstrate compliance with given information and relevant legislation when installing natural roof slate to mitred and vertical roof details in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing natural roof slate to mitred and vertical roof details, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install natural roof slate to mitred and vertical roof details.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – natural slates, fixings, soakers, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, sand, cement and additives – hand tools, power tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install natural roof slate to mitred and vertical roof details.
5 Minimise the risk of damage to the work and surrounding area when installing natural roof slate to mitred and vertical roof details.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance-
6 Complete the work within the allocated time when installing natural roof slate to mitred and vertical roof details.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to install natural roof slate to mitred and vertical roof details to the required specification.	7.1	Demonstrate the following work skills when installing natural roof slate to mitred and vertical roof details: <ul style="list-style-type: none"> – measuring, setting out, marking out, grading, holing, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.3	<p>Install natural roof slates to battens and/or boards and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following:</p> <ul style="list-style-type: none"> – general areas – mitred hips – mitred valleys – vertical surfaces – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges and ridges.
	7.4	<p>Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit slates, fittings and roofing components to the required size and shape – grade and hole slates – fix slates to battens or direct to boarded areas – set out and install slates and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows), abutments, vertical and general areas – form mitred hips and mitred valleys, including measuring, cutting and fitting of soakers – set out and install natural roof slates to vertical surfaces including gable ends, openings, penetrations, internal and external corners – install vents, ridge ventilation and other high level ventilation – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized slates – recognise when specialist skills and knowledge are required and report accordingly

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace	
Additional information about this unit		
7 continued	7.4 cont	<ul style="list-style-type: none"> – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing regular sized natural roof slate to mitred and vertical advanced roof details.
	7.6	Describe how to maintain the tools and equipment used when installing natural roof slate to mitred and vertical roof details.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slate to mitred and vertical roof details in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and 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. <u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling</u></p> <p>One of the following endorsements required:</p> <p>New materials</p> <p>Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Units – Learning Outcomes and Assessment Criteria

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Unit Number:	L/618/6414	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing random natural roof slates with diminishing margins.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – oral/written working instructions, electronic data, drawings, specifications, schedules, method statement, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing random natural roof slates with diminishing margins.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing random natural roof slates with diminishing margins.	3.1	Use health and safety equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing random natural roof slates with diminishing margins.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 continued	3.2	Demonstrate compliance with given information and relevant legislation when installing random natural roof slates with diminishing margins in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing random natural roof slates with diminishing margins, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install random natural roof slates with diminishing margins.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – random sized natural slates, fixings, ridge and hip tiles, boards, ventilation systems, proprietary roofing grade mortar, sand, cement and additives – hand tools, power tools and ancillary equipment.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install random natural roof slates with diminishing margins.
5 Minimise the risk of damage to the work and surrounding area when installing random natural roof slates with diminishing margins.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing random natural roof slates with diminishing margins.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to install random natural roof slates with diminishing margins to the required specification.	7.1	Demonstrate the following work skills when installing random natural roof slates with diminishing margins: <ul style="list-style-type: none"> – measuring, grading, sizing and holing, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.
	7.3	Install, random sized (length and width) natural roof slates (centre- and/or head-nailed) to battens and/or boards, and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for roofs with the following: <ul style="list-style-type: none"> – general areas – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges, ridges, hips and valleys.
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit slates, fittings and roofing components to the required size and shape – grade, size and hole slates – fix slates to battens or direct to boarded areas – maintain head laps for diminishing courses – maintain side laps for random width slates – recognise the relationship between head and side lap, roof pitch and geographical location – set out and install random sized (length and width) natural roof slates (centre-nailed and/or head-nailed), to battens and/or boards, fittings and components to eaves and top course, verges, ridge, hips, valleys, openings, (roof lights, windows) abutments and general areas – install vents, ridge ventilation and other high level ventilation

Units – Learning Outcomes and Assessment Criteria

Title:	Installing random natural roof slates with diminishing margins in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.4 cont	<ul style="list-style-type: none"> – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized slates – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing random natural roof slates with diminishing margins.
	7.6	Describe how to maintain the tools and equipment used when installing random natural roof slates with diminishing margins.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing random natural roof slates with diminishing margins in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and 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. <u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling</u></p> <p>One of the following endorsements required:</p> <p>New materials</p> <p>Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Units – Learning Outcomes and Assessment Criteria

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Unit Number:	H/618/6418	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing single-lap roof tiles to a fixed gauge.	1.1	Interpret and extract relevant information from oral/written working instructions drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – oral/written working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings..
2 Know how to comply with relevant legislation and official guidance when installing single-lap roof tiles to a fixed gauge.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing single-lap roof tiles to a fixed gauge.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing single-lap roof tiles to a fixed gauge.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2	Demonstrate compliance with given information and relevant legislation when installing single-lap roof tiles to a fixed gauge in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing single-lap roof tiles to a fixed gauge, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
	4	Select the required quantity and quality of resources for the methods of work to install single-lap roof tiles to a fixed gauge.
	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – single-lap fixed gauge tiles, fittings, fixings, ridge and hip tiles, dry fix systems, ventilation systems, proprietary roofing grade mortar, sand, cement and additives. – hand tools, power tools and ancillary equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install single-lap roof tiles to a fixed gauge.
5 Minimise the risk of damage to the work and surrounding area when installing single-lap roof tiles to a fixed gauge.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing single-lap roof tiles to a fixed gauge.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to install single-lap roof tiles to a fixed gauge to the required specification.	7.1	Demonstrate the following work skills when installing single-lap roof tiles to a fixed gauge: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools, and ancillary equipment.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.3	<p>Install single-lap fixed gauge roof tiles and related fittings, fixings and components given working instructions, using new and/or reclaimed materials for roofs with the following:</p> <ul style="list-style-type: none"> – general areas – eaves and top course – abutments – openings (roof lights, windows) – dry and/or wet fix verges, ridges, hips and valleys
	7.4	<p>Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit tiles, fittings and roofing components to the required size and shape – set out and install tiles and components to eaves and top course, verges, ridge, hips, valleys, openings (roof lights, windows) abutments and general areas – install vents, ridge ventilation and other high level ventilation – mix sand, cement and additives – mix proprietary roofing grade mortar – form dry and/or wet fix finishing details – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – understand the uses and limitations of hand-made/crafted clay tiles – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment.
	7.5	<p>Describe the needs of other occupations and how to effectively communicate within a team when installing single-lap roof tiles to a fixed gauge.</p>
	7.6	<p>Describe how to maintain the tools and equipment used when installing single-lap roof tiles to a fixed gauge.</p>

Units – Learning Outcomes and Assessment Criteria

Title:	Installing single-lap roof tiles to a fixed gauge in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance 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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling</u></p> <p>One of the following endorsements required:</p> <p>New materials</p> <p>Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Units – Learning Outcomes and Assessment Criteria

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Unit Number:	K/618/6419	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing double-lap roof tiles to curved and swept roof details.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – oral/written working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing double-lap roof tiles to curved and swept roof details.	2.1	Describe their responsibilities under regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing double-lap roof tiles to curved and swept roof details.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing double-lap roof tiles to curved and swept roof details.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	3.2	Demonstrate compliance with given information and relevant legislation when installing double-lap roof tiles to curved and swept roof details in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing double-lap roof tiles to curved and swept roof details, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
	4	Select the required quantity and quality of resources for the methods of work to install double-lap roof tiles to curved and swept roof details.
	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – plain tiles, peg tiles, boards, split battens, soakers, timber, wedges, fillets, fittings and fixings – hand tools, power tools and ancillary equipment
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install double-lap roof tiles to curved and swept roof details.
5 Minimise the risk of damage to the work and surrounding area when installing double-lap roof tiles to curved and swept roof details.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing double-lap roof tiles to curved and swept roof details.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to install double-lap roof tiles to curved and swept roof details to the required specification.	7.1	Demonstrate the following work skills when installing double-lap roof tiles to curved and swept roof details: <ul style="list-style-type: none"> – measuring, setting out, marking out, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.3	Install plain and/or peg tiles (double-lap) to battens and/or boards and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for two of the following roof details: <ul style="list-style-type: none"> – eyebrow dormers – swept valleys – laced valleys – curved vertical – curved pitch (cones, apse ends).
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – cut and fit tiles, fittings and roofing components to the required size and shape – fix boards, wedges, fillets and split battens – determine lap and gauge dimensions – fix tiles to battens or direct to boarded areas – set out and install plain and/or peg tiles (double-lap) and components, including soakers to eyebrow dormers, swept and laced valleys, curved and radial areas – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized tiles – understand the uses and limitations of hand-made/crafted clay tiles – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when installing double-lap roof tiles to curved and swept roof details.
	7.6	Describe how to maintain the tools and equipment used when installing double-lap roof tiles to curved and swept roof details.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing double-lap roof tiles to curved and swept roof details in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and 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.</p> <p><u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling</u></p> <p>One of the following endorsements required:</p> <p>New materials</p> <p>Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100

Units – Learning Outcomes and Assessment Criteria

Title:	Fabricating and installing weathering leadwork to roofs in the workplace	
Unit Number:	Y/618/7324	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when fabricating and installing weathering leadwork to roofs.	1.1	Interpret and extract relevant information from of oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – oral/written working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when fabricating and installing weathering leadwork to roofs.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when fabricating and installing weathering leadwork to roofs.	3.1	Use health and safety control equipment safely and comply with the methods of work, to carry out the activity in accordance with current legislation and organisational requirements when fabricating and installing weathering leadwork to roofs.

Units – Learning Outcomes and Assessment Criteria

Title:	Fabricating and installing weathering leadwork to roofs in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 continued	3.2	Demonstrate compliance with given information and relevant legislation when fabricating and installing weathering leadwork to roofs in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to fabricating and installing weathering leadwork to roofs, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
	4	Select the required quantity and quality of resources for the methods of work to fabricate and install weathering leadwork to roofs.
	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – sheet lead, patination fluids and pointing materials – hand tools, power tools and equipment.
	4.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Units – Learning Outcomes and Assessment Criteria

Title:	Fabricating and installing weathering leadwork to roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to fabricate and install weathering leadwork to roofs.
5 Minimise the risk of damage to the work and surrounding area when fabricating and installing weathering leadwork to roofs.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
6 Complete the work within the allocated time when fabricating and installing weathering leadwork to roofs.	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
	6.1	Demonstrate completion of the work within the allocated time.
7 Comply with the given contract information to fabricate and install weathering leadwork to roofs to the required specification.	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
	7.1	Demonstrate the following work skills when fabricating and installing weathering leadwork to roofs: <ul style="list-style-type: none"> – measuring, marking out, cutting, fitting, positioning, welding, securing, dressing, bossing, pointing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.

Units – Learning Outcomes and Assessment Criteria

Title:	Fabricating and installing weathering leadwork to roofs in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
7 continued	<p>7.3 Prepare and install lead sheet weatherings to given working instructions, for the following:</p> <ul style="list-style-type: none"> – chimneys – abutments – soil and/or vent pipes – junction saddles – valleys – hips – ridges – openings (roof lights, windows).
	<p>7.4 Fabricate back gutters and aprons and pipe slates by lead welding.</p>
	<p>7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – cut, fit and place soakers – cut, form and install step flashings – install valley liners and saddles – form and install aprons, back gutters and soil and/or vent pipe flashings – weld and boss – install rolls to hips/ridges – install secret gutters – point/seal flashings – apply patination fluid – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	<p>7.6 Describe the needs of other occupations and how to effectively communicate within a team when fabricating and installing weathering leadwork to roofs.</p>
	<p>7.7 Describe how to maintain the tools and equipment used when fabricating and installing weathering leadwork to roofs.</p>

Units – Learning Outcomes and Assessment Criteria

Title:	Fabricating and installing weathering leadwork to roofs in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and 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>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	83

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slates to curved and swept roof details in the workplace	
Unit Number:	D/618/7325	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing natural roof slates to curved and swept roof details.	1.1	Interpret and extract relevant information from oral/written working instructions, drawings, specifications, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe 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"> – oral/written working instructions, electronic data, drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, organisational procedures and current regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing natural roof slates to curved and swept roof details.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – 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.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing natural roof slates to curved and swept roof details.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing natural roof slates to curved and swept roof details.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slates to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	3.2	Demonstrate compliance with given information and relevant legislation when installing natural roof slates to curved and swept roof details in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing natural roof slates to curved and swept roof details, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
	4	Select the required quantity and quality of resources for the methods of work to install natural roof slates to curved and swept roof details.
4	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – slates, boards, split battens, soakers, timber, wedges, fillets, fittings and fixings – hand tools, power-tools and ancillary equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slates to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and method of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install natural roof slates to curved and swept roof details.
5 Minimise the risk of damage to the work and surrounding area when installing natural roof slates to curved and swept roof details.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. .
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing natural roof slates to curved and swept roof details.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of work schedules/diaries, progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to install natural roof slates to curved and swept roof details to the required specification.	7.1	Demonstrate the following work skills when installing natural roof slates to curved and swept roof details: <ul style="list-style-type: none"> – measuring, setting out, marking out, grading, sizing, holing, cutting, fitting, mixing, positioning, securing and finishing.
	7.2	Use and maintain hand tools, power tools and ancillary equipment.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slates to curved and swept roof details in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.3	Install natural slates to battens and/or boards and related fittings, fixings and components to given working instructions, using new and/or reclaimed materials for two of the following roof details: <ul style="list-style-type: none"> – eyebrow dormers – swept valleys – laced valleys – curved vertical – curved pitch (cones, apse ends).
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – assess suitability of sub-structure – identify and report faults with sub-structure and roof interfaces – determine lap and gauge dimensions – cut and fit slates, fittings and roofing components to the required size and shape – fix boards, wedges, fillets and split battens – grade, size, and hole slates – fix slates to battens or direct to boarded areas – set out and install slates and components, including soakers to eyebrow dormers, swept and laced valleys, curved and radial areas – recognise where reclaimed materials can be used – understand the effects on lap and gauge when using reclaimed imperial sized slates – recognise when specialist skills and knowledge are required and report accordingly – recognise specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, power tools and equipment – work at height – use access equipment/working platforms.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing natural roof slates to curved and swept roof details.
	7.6	Describe how to maintain the tools and equipment used when installing natural roof slates to curved and swept roof details.

Units – Learning Outcomes and Assessment Criteria

Title:	Installing natural roof slates to curved and swept roof details in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and 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. <u>ProQual Level 3 NVQ Diploma in Heritage Skills – Roof Slating and Tiling</u></p> <p>One of the following endorsements required:</p> <p>New materials</p> <p>Reclaimed materials</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	100



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