



## **ProQual Level 2 NVQ Diploma in Demolition (Construction)**

### **Qualification Specification**

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## Introduction

The ProQual Level 2 NVQ Diploma in Demolition (Construction) qualification provides a nationally recognised qualification for those working in this specialised area of construction. There are 2 specialised pathways:

Pathway 1 – Demolition and Refurbishment Operative

Pathway 2 – Plant Operative

The awarding body for this qualification is ProQual Awarding Body ([www.proqualab.com](http://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 replaces 603/0511/3 ProQual Level 2 NVQ Diploma in Demolition (Construction), following an industry review, and has been accredited onto the Regulated Qualifications Framework (RQF) and is published on Ofqual's Register of Qualifications.

## Qualification Profile Level 2 NVQ Diploma in Demolition (Construction)

|                             |   |
|-----------------------------|---|
| Qualification title         | <b>ProQual Level 2 NVQ Diploma in Demolition (Construction)</b>   |
| Ofqual qualification number | 603/7845/1  |
| Level                       | 2   |
| Total Qualification Time    | 750 hours (234 GLH)   |
| Assessment                  | Pass or fail<br>Internally assessed and verified by centre staff<br>External quality assurance by ProQual verifiers |
| Qualification start date    | 6/9/2021  |
| Qualification end date      | 31/7/2026   |

## 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 the required Mandatory and Optional units from one of the pathways.

There are two pathways as set out below.

Pathway 1 Demolition and Refurbishment Operative

Pathway 2 Plant Operative

**CITB references are provided in this document for information only.**

### Pathway 1 : Demolition and Refurbishment Operative

Candidates must complete 4 Mandatory units, plus 1 Optional unit.

| Mandatory Units           |   |       | <i>CITB reference provided for information only</i> |
|---------------------------|---|-------|---|
| Unit Ref.                 | Title   | Level | <i>CITB Internal Unit Ref.</i>                      |
| <b>M/508/6537</b>         | Conforming to general health, safety and welfare in the workplace                                     | 1     | 641   |
| <b>T/508/6538</b>         | Conforming to productive working practices in the workplace   | 2     | 642   |
| <b>Y/508/6533</b>         | Moving, handling and storing resources in the workplace   | 2     | 643   |
| <b>J/618/8484</b>         | Removing and segregating components and materials in demolition and/or refurbishment in the workplace | 2     | 154v3   |
| Optional Units – ONE unit |   |       | <i>CITB reference provided for information only</i> |
| Unit Ref.                 | Title   | Level | <i>CITB Internal Unit Ref.</i>                      |
| <b>L/618/8485</b>         | Dismantling and/or demolishing masonry and/or concrete structures in the workplace                    | 2     | 155v3   |
| <b>R/618/8486</b>         | Dismantling and/or demolishing roofs and/or cladding in the workplace                                 | 2     | 156v3   |
| <b>Y/618/8487</b>         | Dismantling and/or demolishing timber structures in the workplace                                     | 2     | 157v3   |
| <b>D/618/8488</b>         | Dismantling and/or demolishing metal structures in the workplace                                      | 3     | 158v3   |

## Pathway 2 : Plant Operative

Candidates must complete 2 Mandatory units, plus 1 Optional unit.

| Mandatory Units           |   |       | <i>CITB reference provided for information only</i> |
|---------------------------|---|-------|---|
| Unit Ref.                 | Title   | Level | <i>CITB Internal Unit Ref.</i>                      |
| <b>M/508/6537</b>         | Conforming to general health, safety and welfare in the workplace   | 1     | 641   |
| <b>T/508/6538</b>         | Conforming to productive working practices in the workplace   | 2     | 642   |
| Optional Units – ONE unit |   |       | <i>CITB reference provided for information only</i> |
| Unit Ref.                 | Title   | Level | <i>CITB Internal Unit Ref.</i>                      |
| <b>H/618/8489</b>         | Operating plant or machinery to dismantle and/or demolish structures up to 15 metres in the workplace                     | 2     | 385Cv3  |
| <b>Y/618/8490</b>         | Operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures in the workplace | 2     | 385Ev3  |
| <b>D/618/8491</b>         | Operating demolition skid steer to demolish structures in the workplace   | 2     | 385Fv2  |
| <b>H/618/8492</b>         | Operating demolition rigged plant for materials processing in the workplace   | 2     | 385Gv1  |

## 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 9.

## 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

|  |  |  |
|--|--|--|
| <b>Title:</b>  | Conforming to general health, safety and welfare in the workplace. |  |
| <b>Unit Number:</b>  | M/508/6537   |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | 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"> <li>– dealing with accidents and emergencies associated with the work and environment</li> <li>– methods of receiving or sourcing information</li> <li>– reporting</li> <li>– stopping work</li> <li>– evacuation</li> <li>– fire risks and safe exit procedures</li> <li>– consultation and feedback.</li> </ul> |
|   | 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

|  |  |  |
|--|--|--|
| <b>Title:</b>  | Conforming to general health, safety and welfare in the workplace. |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><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"> <li>– recognising when to stop work in the face of serious and imminent danger to self and/or others</li> <li>– contributing to discussions and providing feedback</li> <li>– reporting changed circumstances and incidents in the workplace</li> <li>– complying with the environmental requirements of the workplace.</li> </ul> |
|  | 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"> <li>– during the working day</li> <li>– on completion of the day’s work</li> <li>– for unauthorised personnel (other operatives and the general public)</li> <li>– for theft.</li> </ul>  |
|  | 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

|   |  |
|---|--|
| <b>Title:</b>                                 | Conforming to general health, safety and welfare in the workplace.   |
| <b>Additional information about this unit</b> |  |
| Assessment Guidance                           | <p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> |
| Sector Subject Area                           | 05.2 Building and Construction   |
| Availability for use                          | Shared unit  |
| Unit guided learning hours                    | 7  |

## Units – Learning Outcomes and Assessment Criteria

|  |   |  |
|--|---|--|
| <b>Title:</b>  | Conforming to productive working practices in the workplace |  |
| <b>Unit Number:</b>  | T/508/6538  |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>                        | <b>Assessment criteria</b><br><i>The learner can:</i>       |  |
| 1 Communicate with others to establish productive work practices.                      | 1.1   | Communicate in an appropriate manner with line management, colleagues and/or customers to ensure that work is carried out productively.  |
|  | 1.2   | Describe the different methods of communicating with line management, colleagues and customers.  |
|  | 1.3   | Describe how to use different methods of communication to ensure that the work carried out is productive.  |
| 2 Follow organisational procedures to plan the sequence of work.                       | 2.1   | Interpret relevant information from organisational procedures in order to plan the sequence of work.   |
|  | 2.2   | Plan the sequence of work, using appropriate resources, in accordance with organisational procedures to ensure work is completed productively.   |
|  | 2.3   | Describe how organisational procedures are applied to ensure work is planned and carried out productively, in relation to: <ul style="list-style-type: none"> <li>– using resources for own and other’s work requirements</li> <li>– allocating appropriate work to employees</li> <li>– organising the work sequence</li> <li>– reducing carbon emissions.</li> </ul> |
|  | 2.4   | Describe how to contribute to zero/low carbon work outcomes within the built environment.  |
| 3 Maintain relevant records in accordance with the organisational procedures.          | 3.1   | Complete relevant documentation according to the occupation as required by the organisation.   |
|  | 3.2   | Describe how to complete and maintain documentation in accordance with organisational procedures, in relation to: <ul style="list-style-type: none"> <li>– job cards</li> <li>– worksheets</li> <li>– material/resource lists</li> <li>– time sheets.</li> </ul>   |
|  | 3.3   | Explain the reasons for ensuring documentation is completed clearly and within given timescales.   |
| 4 Maintain good working relationships when conforming to productive working practices. | 4.1   | Carry out work productively, to the agreed specification, in conjunction with line management, colleagues, customers and/or other relevant people involved in the work to maintain good working relationships.   |
| <b>Title:</b>  | Conforming to productive working practices in the workplace |  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i> | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|---|---|
|   | 4.2 Apply the principles of equality and diversity and respect the needs of individuals when communicating and working with others.   |
|   | 4.3 Describe how to maintain good working relationships, in relation to: <ul style="list-style-type: none"> <li>– individuals</li> <li>– customer and operative</li> <li>– operative and line management</li> <li>– own and other occupations.</li> </ul> |
|   | 4.4 Describe why it is important to work effectively with line management, colleagues and customers.  |
|   | 4.5 Describe how working relationships could have an effect on productive working.  |
|   | 4.6 Describe how to apply principles of equality and diversity when communicating and working with others.  |

## Units – Learning Outcomes and Assessment Criteria

|   |  |
|---|--|
| <b>Title:</b>                                 | Conforming to Productive Working Practices in the Workplace  |
| <b>Additional information about this unit</b> |  |
| Assessment Guidance                           | <p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> |
| Sector Subject Areas                          | 05.2 Building and Construction   |
| Availability for use                          | Shared unit  |
| Unit guided learning hours                    | 10   |

## Units – Learning Outcomes and Assessment Criteria

|  |   |   |
|--|---|---|
| <b>Title:</b>  | Moving, handling and storing resources in the workplace |   |
| <b>Unit Number</b>   | Y/508/6533  |   |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |   |
| 1 Comply with given information when moving, handling and/or storing resources.                                      | 1.1   | Interpret the given information relating to moving, handling and/or storing resources, relevant to the given occupation.  |
|  | 1.2   | Interpret the given information relating to the use and storage of lifting aids and equipment.  |
|  | 1.3   | Describe the different types of technical, product and regulatory information, their source and how they are interpreted.   |
|  | 1.4   | State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.  |
|  | 1.5   | Describe how to obtain information relating to using and storing lifting aids and equipment.  |
| 2 Know how to comply with relevant legislation and official guidance when moving, handling and/or storing resources. | 2.1   | Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> <li>– in the workplace, in confined spaces, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul> |
|  | 2.2   | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.   |
|  | 2.3   | Explain what the accident reporting procedures are and who is responsible for making the reports.   |
|  | 2.4   | State the appropriate types of fire extinguishers relevant to the work.   |
|  | 2.5   | Describe how and when the different types of fire extinguishers, relevant to the given occupation, are used in accordance with legislation and official guidance.   |
| 3 Maintain safe working practices when moving, handling and/or storing resources.                                    | 3.1   | Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements when moving, handling and/or storing resources.   |
|  | 3.2   | Use lifting aids safely as appropriate to the work.   |



## Units – Learning Outcomes and Assessment Criteria

| Title:   | Moving, handling and storing resources in the workplace |   |
|--|---|---|
| Learning outcomes  | Assessment criteria                                     |   |
| <i>The learner will be able to:</i>  | <i>The learner can:</i>                                 |   |
| 3 continued  | 3.3   | Protect the environment in accordance with safe working practices as appropriate to the work.   |
|  | 3.4   | Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to moving, handling <b>and/or</b> storing resources, and the 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | 3.5   | Describe how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.   |
|  | 3.6   | 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.  |
| 4 Select the required quantity and quality of resources for the methods of work to move, handle and/or store occupational resources. | 4.1   | Select the relevant resources to be moved, handled and/or stored, associated with own work.   |
|  | 4.2   | Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the occupational resources in relation to: <ul style="list-style-type: none"> <li>– lifting and handling aids</li> <li>– container(s)</li> <li>– fixing, holding and securing systems.</li> </ul>  |
|  | 4.3   | Describe how the resources should be handled and how any 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.   |
| 5 Prevent the risk of damage to occupational resources and surrounding environment when moving, handling and/or storing resources.   | 5.1   | Protect occupational resources and their surrounding area from damage in accordance with safe working practices and organisational procedures.  |
|  | 5.2   | Dispose of waste and packaging in accordance with legislation.  |

## Units – Learning Outcomes and Assessment Criteria

| Title:  | Moving, handling and storing resources in the workplace |  |
|---|---|--|
| Learning outcomes   | Assessment criteria                                     |  |
| <i>The learner will be able to:</i>   | <i>The learner can:</i>                                 |  |
| 5 continued   | 5.3   | Maintain a clean work space when moving, handling or storing resources.  |
|   | 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 moving, handling and/or storing resources.                                     | 6.1   | Demonstrate completion of the work within the allocated time.  |
|   | 6.2   | State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>  |
| 7 Comply with the given occupational resource information to move, handle <b>and/or</b> store resources to the required guidance. | 7.1   | Demonstrate the following work skills when moving, handling and/or storing occupational resources: <ul style="list-style-type: none"> <li>– moving, positioning, storing, securing and/or using lifting aids and kinetic lifting techniques.</li> </ul>  |
|   | 7.2   | Move, handle and/or store occupational resources to meet product information and organisational requirements relating to three of the following: <ul style="list-style-type: none"> <li>• – sheet material</li> <li>• – loose material</li> <li>• – bagged or wrapped material</li> <li>• – fragile material</li> <li>• – tools and equipment</li> <li>• – components</li> <li>• – liquids.</li> </ul> |
|   | 7.3   | Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them when moving, handling <b>and/or</b> storing occupational resources.   |
|   | 7.4   | Describe the needs of other occupations when moving, handling <b>and/or</b> storing resources.   |

## Units – Learning Outcomes and Assessment Criteria

|   |  |
|---|--|
| <b>Title:</b>                                 | Moving, handling and storing resources in the workplace  |
| <b>Additional information about this unit</b> |  |
| Assessment Guidance                           | <p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> |
| Sector Subject Areas                          | 05.2 Building and Construction   |
| Availability for use                          | Shared unit  |
| Unit guided learning hours                    | 17   |

## Units – Learning Outcomes and Assessment Criteria

|   |   |  |
|---|---|--|
| <b>Unit:</b>  | Removing and segregating components and materials in demolition and/or refurbishment in the workplace |  |
| <b>Unit Number:</b>   | J/618/8484  |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>   |  |
| 1 Interpret the given information relating to the work and resources when removing and segregating components and materials in demolition and/or refurbishment. | 1.1   | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.   |
|   | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool box talks, manufacturers' information, electronic data, current regulations and official guidance associated with removal and segregation of components and materials in demolition and refurbishment.</li> </ul> |
| 2 Know how to comply with relevant legislation and official guidance when removing and segregating components and materials in demolition and/or refurbishment. | 2.1   | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>  |
|   | 2.2   | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company, operative, vehicle, tools and plant.  |
|   | 2.3   | Explain what the accident reporting procedures are and who is responsible for making reports.  |
|   | 2.4   | Describe the types of fire extinguishers available when removing and segregating components and materials in demolition and refurbishment and describe how and when they are used: <ul style="list-style-type: none"> <li>– water, CO<sub>2</sub>, foam and powder.</li> </ul>   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|--|---|
| <p><b>3</b> Maintain safe and healthy working practices when removing and segregating components and materials in demolition and/or refurbishment.</p>                             | <p><b>3.1</b> 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 removing and segregating components and materials in demolition and/or refurbishment.</p>  |
|  | <p><b>3.2</b> Demonstrate compliance with given information and relevant legislation when removing and segregating components and materials in demolition and/or refurbishment in relation to the following:</p> <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, segregation, storage and handling of components, materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>   |
|  | <p><b>3.3</b> Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to removing and segregating components and materials in demolition and refurbishment, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | <p><b>3.4</b> Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.</p>   |
|  | <p><b>3.5</b> 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><b>4</b> Select the required quantity and quality of resources for the methods of work to remove and segregate components and materials in demolition and/or refurbishment.</p> | <p><b>4.1</b> Select resources associated with own work in relation to materials and components, demolition tools, equipment and consumables, waste and/or recycling containers.</p>  |
|  | <p><b>4.2</b> Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> <li>– demolition tools, equipment and consumables</li> <li>– waste and recycling containers.</li> </ul>   |
|  | <p><b>4.3</b> Describe how to confirm that the resources and materials conform to the specification.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 4 Continued   | 4.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.   |
|   | 4.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.   |
|   | 4.6 Describe any potential hazards associated with the resources and methods of work.  |
|   | 4.7 Describe how to calculate quantity, length, area and wastage associated with the method and procedure to remove, segregate, recycle and recover components and materials in demolition and refurbishment.  |
| 5 Minimise the risk of damage to the work and surrounding area when removing and segregating components and materials in demolition and/or refurbishment. | 5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.   |
|   | 5.2 Maintain a clear and tidy 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 relating to segregation, recycling and recovery procedures.   |
| 6 Complete the work within the allocated time when removing and segregating components and materials in demolition and/or refurbishment.                  | 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"> <li>– types of productivity targets and timescales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|--|--|
| <p>7 Comply with the given contract information to remove and segregate components and materials in demolition and/or refurbishment to the required specification.</p> | <p>7.1 Demonstrate the following work skills when removing and segregating components and materials in demolition and/or refurbishment:</p> <ul style="list-style-type: none"> <li>– disconnecting, dismantling, segregating and removing.</li> </ul>  |
|  | <p>7.2 Use and maintain demolition tools, equipment and consumables.</p>   |
|  | <p>7.3 Maintain established exclusion zones, remove and segregate components and materials for disposal and/or recycling and/or recovery to given working instructions.</p>  |
|  | <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"> <li>– remove and segregate components and materials for recycling, recovery and disposal</li> <li>– store, protect and secure removed materials and components</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– maintain established exclusion zones and designated areas</li> <li>– use demolition tools, equipment and consumables</li> <li>– work at height</li> <li>– use access equipment.</li> </ul> |
|  | <p>7.5 Describe the needs of other occupations and how to communicate effectively within a team when removing and segregating components and materials in demolition and refurbishment.</p>  |
|  | <p>7.6 Describe how to check and maintain demolition tools, equipment and consumables used to remove and segregate components and materials in demolition and refurbishment.</p>   |

## Units – Learning Outcomes and Assessment Criteria

| 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                    | 05.2 Building and Construction  |
| Unit guided learning hours             | 80  |
| Assessment                             | 10  |



## Units – Learning Outcomes and Assessment Criteria

|  |  |  |  |
|--|--|--|--|
| <b>Unit:</b>   | Dismantling and/or demolishing masonry and/or concrete structures in the workplace |  |  |
| <b>Unit Number:</b>  | L/618/8485   |  |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>                              |  |  |
| 1 Interpret the given information relating to the work and resources when dismantling and/or demolishing masonry and/or concrete structures. | 1.1  | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.   |  |
|  | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool box talks, manufacturers' information, electronic data, current regulations and official guidance associated with dismantling and demolishing masonry and concrete structures.</li> </ul> |  |
| 2 Know how to comply with relevant legislation and official guidance when dismantling and/or demolishing masonry and/or concrete structures. | 2.1  | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>  |  |
|  | 2.2  | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company, operative, vehicles, tools and plant.   |  |
|  | 2.3  | Explain what the accident reporting procedures are and who is responsible for making reports.  |  |
|  | 2.4  | Describe the types of fire extinguishers available when dismantling and demolishing masonry and concrete structures and describe how and when they are used: <ul style="list-style-type: none"> <li>– water, CO<sub>2</sub>, foam and powder.</li> </ul>   |  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|--|--|
| 3 Maintain safe and healthy working practices when dismantling and/or demolishing masonry and/or concrete structures.                            | 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 dismantling and/or demolishing masonry and/or concrete structures.  |
|  | 3.2 Demonstrate compliance with given information and relevant legislation when dismantling and/or demolishing masonry and/or concrete structures in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, segregation, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>   |
|  | 3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to dismantling and demolishing masonry and concrete structures, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | 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 dismantle and/or demolish masonry and/or concrete structures. | 4.1 Select resources associated with own work in relation to materials and components, demolition tools, equipment and consumables, plant and machinery, waste and/or recycling containers.  |
|  | 4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– demolition tools, equipment and consumables</li> <li>– waste and recycling containers.</li> </ul>  |
|  | 4.3 Describe how to confirm that the resources and materials conform to the specification.   |
|  | 4.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|--|---|
| 4 Continued  | 4.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.  |
|  | 4.6 Describe any potential hazards associated with the resources and methods of work.   |
|  | 4.7 Describe how to calculate quantity, length, area and wastage associated with the method and procedure to dismantle and demolish masonry and concrete structures.  |
| 5 Minimise the risk of damage to the work and surrounding area when dismantling and/or demolishing masonry and/or concrete structures.       | 5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.  |
|  | 5.2 Maintain a clear and tidy 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 relating to segregation and recycling procedures.  |
| 6 Complete the work within the allocated time when dismantling and/or demolishing masonry and/or concrete structures.                        | 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"> <li>– types of productivity targets and time scales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |
| 7 Comply with the given contract information to dismantle and/or demolish masonry and/or concrete structures, to the required specification. | 7.1 Demonstrate the following work skills when dismantling and/or demolishing masonry and/or concrete structures: <ul style="list-style-type: none"> <li>– releasing, handling, lowering, sorting, stacking, segregating, storing, breaking out and loading away.</li> </ul>  |
|  | 7.2 Use and maintain demolition tools, equipment and consumables.   |
|  | 7.3 Maintain established exclusion zones, dismantle and/or demolish, remove and segregate masonry and/or concrete structures for disposal and/or recycling and/or recovery to given working instructions.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i> | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|---|---|
| 7 Continued   | <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"> <li>– erect barriers and warning notices</li> <li>– maintain established exclusion zones and designated areas</li> <li>– dismantle and demolish masonry and concrete structures</li> <li>– remove and segregate arisings for recycling, recovery and disposal</li> <li>– store and protect removed materials and components</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– use demolition tools, <del>and</del> equipment and consumables</li> <li>– work at height</li> <li>– use access equipment.</li> </ul> |
|   | <p>7.5 Describe the needs of other occupations and how to communicate effectively within a team when dismantling and demolishing masonry and concrete structures.</p>   |
|   | <p>7.6 Describe how to check and maintain demolition tools, equipment and consumables used when dismantling and demolishing masonry and concrete structures.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| 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                    | 05.2 Building and Construction   |
| Availability for use                   | Shared unit  |
| Unit guided learning hours             | 100  |
| Assessment                             | 10   |

## Units – Learning Outcomes and Assessment Criteria

|   |   |   |
|---|---|---|
| <b>Unit:</b>  | Dismantling and/or demolishing roofs and/or cladding in the workplace |   |
| <b>Unit Number:</b>   | R/618/8486  |   |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>                 |   |
| 1 Interpret the given information relating to the work and resources when dismantling and/or demolishing roofs and/or cladding. | 1.1   | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.  |
|   | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool-box talks, manufacturers' information, electronic data, official guidance and current regulations associated with dismantling and demolishing roofs and cladding.</li> </ul> |
| 2 Know how to comply with relevant legislation and official guidance when dismantling and/or demolishing roofs and/or cladding. | 2.1   | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>   |
|   | 2.2   | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company and operative, vehicle, tools and plant.  |
|   | 2.3   | Explain what the accident reporting procedures are and who is responsible for making reports.   |
|   | 2.4   | Describe the types of fire extinguishers available when dismantling and demolishing roofs and cladding and describe how and when they are used: <ul style="list-style-type: none"> <li>– water, CO<sub>2</sub>, foam and powder.</li> </ul>   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|--|--|
| <p>3 Maintain safe and healthy working practices when dismantling and/or demolishing roofs and/or cladding.</p>                            | <p>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 dismantling and/or demolishing roofs and/or cladding.</p>  |
|  | <p>3.2 Demonstrate compliance with given information and relevant legislation when dismantling and/or demolishing roofs and/or cladding in relation to the following:</p> <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, segregation, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>   |
|  | <p>3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to dismantling and demolishing roofs and cladding, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | <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 dismantle and/or demolish roofs and/or cladding.</p> | <p>4.1 Select resources associated with own work in relation to materials and components, demolition tools and equipment, waste and/or recycling containers.</p>   |
|  | <p>4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> <li>– demolition tools, equipment and consumables</li> <li>– waste and recycling containers.</li> </ul>   |
|  | <p>4.3 Describe how to confirm that the resources and materials conform to the specification.</p>  |
|  | <p>4.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 4 Continued   | 4.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.   |
|   | 4.6 Describe any potential hazards associated with the resources and methods of work.  |
|   | 4.7 Describe how to calculate quantity, length, area and wastage associated with the method and procedure to dismantle and demolish roofs and cladding.  |
| 5 Minimise the risk of damage to the work and surrounding area when dismantling and/or demolishing roofs and/or cladding.       | 5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.   |
|   | 5.2 Maintain a clear and tidy 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 relating to segregation and recycling procedures.   |
| 6 Complete the work within the allocated time when dismantling and/or demolishing roofs and/or cladding.                        | 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"> <li>– types of productivity targets and timescales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |
| 7 Comply with the given contract information to dismantle and/or demolish roofs and/or cladding, to the required specification. | 7.1 Demonstrate the following work skills when dismantling and/or demolishing roofs and/or cladding: <ul style="list-style-type: none"> <li>– releasing, handling, lowering, segregating and loading.</li> </ul>   |
|   | 7.2 Use and maintain demolition tools, equipment and consumables.  |



## Units – Learning Outcomes and Assessment Criteria

| Learning outcomes<br><i>The learner will be able to:</i> | Assessment criteria<br><i>The learner can:</i>   |
|--|--|
| 7 Continued  | 7.3 Maintain established exclusion zones, dismantle and/or demolish, remove and segregate materials and components from roofs and/or cladding for disposal and/or recycling and/or recovery to given working instructions.   |
|  | 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"> <li>– erect barriers and warning notices</li> <li>– maintain established exclusion zones and designated areas</li> <li>– dismantle and demolish roofs and cladding</li> <li>– remove and segregate components and materials for recycling, recovery and disposal</li> <li>– store and protect removed components and materials</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– remove asbestos containing materials</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– use demolition tools, equipment and consumables</li> <li>– work at height</li> <li>– use access equipment.</li> </ul> |
|  | 7.5 Describe the needs of other occupations and how to communicate effectively within a team when dismantling and demolishing roofs and cladding.  |
|  | 7.6 Describe how to check and maintain demolition tools, equipment and consumables used when dismantling and demolishing roofs and cladding.   |

## Units – Learning Outcomes and Assessment Criteria

| 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             | 100  |
| Assessment                             | 10   |

## Units – Learning Outcomes and Assessment Criteria

|   |   |   |
|---|---|---|
| <b>Unit:</b>  | Dismantling and/or demolishing timber structures in the workplace |   |
| <b>Unit Number:</b>   | Y/618/8487  |   |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>             |   |
| 1 Interpret the given information relating to the work and resources when dismantling and/or demolishing timber structures. | 1.1   | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.  |
|   | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, site inductions, tool-box talks, manufacturers' information, electronic data, current regulations and official guidance associated with dismantling and demolishing timber structures.</li> </ul> |
| 2 Know how to comply with relevant legislation and official guidance when dismantling and/or demolishing timber structures. | 2.1   | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>                                   |
|   | 2.2   | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company and operative, vehicles, tools and plant.   |
|   | 2.3   | Explain what the accident reporting procedures are and who is responsible for making reports.   |
|   | 2.4   | Describe the types of fire extinguishers available when dismantling and demolishing timber structures and describe how and when they are used. <ul style="list-style-type: none"> <li>– water, CO<sub>2</sub>, foam and powder.</li> </ul>  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|--|---|
| <p>3 Maintain safe and healthy working practices when dismantling and/or demolishing timber structures.</p>                            | <p>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 dismantling and/or demolishing timber structures.</p>   |
|  | <p>3.2 Demonstrate compliance with given information and relevant legislation when dismantling and/or demolishing timber structures in relation to the following:</p> <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, segregation, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>  |
|  | <p>3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to dismantling and demolishing timber structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | <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 dismantle and/or demolish timber structures.</p> | <p>4.1 Select resources associated with own work in relation to materials and components, demolition tools, equipment and consumables, waste and/or recycling containers.</p>   |
|  | <p>4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> <li>– demolition tools, equipment and consumables</li> <li>– waste and recycling containers.</li> </ul>  |
|  | <p>4.3 Describe how to confirm that the resources and materials conform to the specification.</p>   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 4 Continued   | 4.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.   |
|   | 4.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.   |
|   | 4.6 Describe any potential hazards associated with the resources and methods of work.  |
|   | 4.7 Describe how to calculate quantity, length, area and wastage associated with the method and procedure to dismantle and demolish timber structures.   |
| 5 Minimise the risk of damage to the work and surrounding area when dismantling and/or demolishing timber structures. | 5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.   |
|   | 5.2 Maintain a clear and tidy 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 relating to segregation and recycling procedures.   |
| 6 Complete the work within the allocated time when dismantling and/or demolishing timber structures.                  | 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"> <li>– types of productivity targets and timescales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| <p>7 Comply with the given contract information to dismantle and/or demolish timber structures to the required specification.</p> | <p>7.1 Demonstrate the following work skills when dismantling and/or demolishing timber structures:</p> <ul style="list-style-type: none"> <li>– releasing, handling, lowering, segregating and loading.</li> </ul>  |
|   | <p>7.2 Use and maintain demolition tools, equipment and consumables.</p>   |
|   | <p>7.3 Maintain established exclusion zones, dismantle and/or demolish, remove and segregate timber, timber-framed structures and components and segregate for disposal and/or recycling and/or recovery to given working instructions.</p>  |
|   | <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"> <li>– erect barriers and warning notices</li> <li>– maintain established exclusion zones and designated areas</li> <li>– dismantle and demolish timber, timber-framed structures and components</li> <li>– remove and segregate components and materials for recycling, recovery and disposal</li> <li>– store and protect removed materials and components</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– use demolition tools, equipment and consumables</li> <li>– work at height</li> <li>– use access equipment.</li> </ul> |
|   | <p>7.5 Describe the needs of other occupations and how to communicate effectively within a team when dismantling and demolishing timber structures.</p>  |
|   | <p>7.6 Describe how to check and maintain demolition tools, equipment and consumables used to dismantle and demolish timber structures.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| 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                    | 05.2 Building and Construction   |
| Availability for use                   | Shared unit  |
| Unit guided learning hours             | 80   |
| Assessment                             | 10   |

## Units – Learning Outcomes and Assessment Criteria

|  |  |   |
|--|--|---|
| <b>Unit:</b>   | Dismantling and/or demolishing metal structures in the workplace |   |
| <b>Unit Number:</b>  | D/618/8488   |   |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>            |   |
| 1 Interpret the given information relating to the work and resources when dismantling and/or demolishing metal structures. | 1.1  | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.  |
|  | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool-box talks, manufacturers' information, electronic data, official guidance and current regulations associated with dismantling and demolishing metal structures.</li> </ul> |
| 2 Know how to comply with relevant legislation and official guidance when dismantling and/or demolishing metal structures. | 2.1  | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>   |
|  | 2.2  | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company, operative, vehicles, tools and plant.  |
|  | 2.3  | Explain what the accident reporting procedures are and who is responsible for making reports.   |
|  | 2.4  | Describe the types of fire extinguishers available when dismantling and demolishing metal structures and describe how and when they are used: <ul style="list-style-type: none"> <li>– water, CO<sub>2</sub>, foam and powder.</li> </ul>   |



## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| <p>3 Maintain safe and healthy working practices when dismantling and/or demolishing metal structures.</p>                            | <p>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 dismantling and/or demolishing metal structures.</p>   |
|   | <p>3.2 Demonstrate compliance with given information and relevant legislation when dismantling and/or demolishing metal structures in relation to the following:</p> <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, segregation, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>  |
|   | <p>3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to dismantling and demolishing metal structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|   | <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 dismantle and/or demolish metal structures.</p> | <p>4.1 Select resources associated with own work in relation to materials and components, demolition tools, equipment and consumables, waste and/or recycling containers.</p>  |
|   | <p>4.2 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> <li>– demolition tools, equipment and consumables</li> <li>– waste and recycling containers.</li> </ul>   |
|   | <p>4.3 Describe how to confirm that the resources and materials conform to the specification.</p>  |
|   | <p>4.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|--|--|
| 4 Continued  | 4.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.   |
|  | 4.6 Describe any potential hazards associated with the resources and methods of work.  |
|  | 4.7 Describe how to calculate quantity, length, area and wastage associated with the method and procedure to dismantle and demolish metal structures.  |
| 5 Minimise the risk of damage to the work and surrounding area when dismantling and/or demolishing metal structures.       | 5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.   |
|  | 5.2 Maintain a clear and tidy 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 dismantling and/or demolishing metal structures.                        | 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"> <li>– types of productivity targets and timescales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |
| 7 Comply with the given contract information to dismantle and/or demolish metal structures, to the required specification. | 7.1 Demonstrate the following work skills when dismantling and/or demolishing metal structures: <ul style="list-style-type: none"> <li>– supporting, releasing, cold cutting, hot cutting, separating and segregating.</li> </ul>  |
|  | 7.2 Use and maintain demolition tools, equipment, hot and cold cutting equipment and consumables.  |
|  | 7.3 Maintain established exclusion zones, dismantle and/or demolish, remove and segregate metal, metal-framed structures and components for disposal and/or recycling and/or recovery to given working instructions.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i> | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 7 Continued   | <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"> <li>– erect barriers and warning notices</li> <li>– maintain established exclusion zones and designated areas</li> <li>– identify types of support and support systems</li> <li>– confirm the integrity and position of specified supports and support systems</li> <li>– recognise points of compression, tension and twist</li> <li>– use hot and cold cutting equipment to form for releasing, holding, hinging and weakening metal components and materials</li> <li>– dismantle and demolish metal, metal-framed structures and components</li> <li>– remove and segregate metal components and materials for recycling, recovery and disposal</li> <li>– store and protect removed materials and components</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– use demolition tools, equipment and consumables</li> <li>– work at height</li> <li>– use access equipment.</li> </ul> |
|   | <p>7.5 Describe the needs of other occupations and how to communicate effectively within a team when dismantling and demolishing metal structures.</p>   |
|   | <p>7.6 Describe how to check and maintain demolition tools, equipment hot and cold cutting equipment and consumables used to dismantle and demolish metal structures.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| 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                    | 05.2 Building and Construction   |
| Availability for use                   | Shared unit  |
| Unit guided learning hours             | 120  |
| Assessment                             | 10   |

## Units – Learning Outcomes and Assessment Criteria

|  |   |  |
|--|---|--|
| <b>Unit:</b>   | Operating plant or machinery to dismantle and/or demolish structures up to 15m in the workplace |  |
| <b>Unit Number:</b>  | H/618/8489  |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |  |
| 1 Interpret the given information relating to the work and resources when operating plant or machinery to dismantle and/or demolish structures up to 15 metres.                                    | 1.1   | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.   |
|  | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool box talks, manufacturers' information, electronic data, official guidance and current regulations associated with the operation of plant and machinery to dismantle and demolish structures up to 15 metres.</li> </ul> |
| 2 Organise with others the sequence and operation in which demolition operations using plant or machinery to dismantle and/or demolish structures up to 15 metres are to be carried out.           | 2.1   | Organise the work according to given information or instructions.  |
|  | 2.2   | Describe how to communicate ideas between team members.  |
|  | 2.3   | Organise and communicate with team members and other associated occupations.   |
|  | 2.4   | Describe how to organise resources prior to and during demolition operations.  |
| 3 Know how to comply with relevant legislation and official guidance to carry out demolition operations when operating plant or machinery to dismantle and/or demolish structures up to 15 metres. | 3.1   | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>  |
|  | 3.2   | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company, operative, vehicles, tools and plant.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|--|--|
| 3 Continued  | 3.3 Explain what the accident reporting procedures are and who is responsible for making reports.  |
|  | 3.4 Describe the types of fire extinguishers available when operating plant or machinery to dismantle and demolish structures up to 15 metres and describe how and when they are used: <ul style="list-style-type: none"> <li>– water, CO<sub>2</sub>, foam and powder.</li> </ul>   |
| 4 Maintain safe and healthy working practices when operating plant or machinery to dismantle and/or demolish structures up to 15 metres. | 4.1 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 operating plant or machinery to dismantle and/or demolish structures up to 15 metres.   |
|  | 4.2 Demonstrate compliance with given information and relevant legislation when operating plant or machinery to dismantle and/or demolish structures up to 15 metres in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– segregation and safe storage of demolished materials</li> <li>– safe use, storage and handling of plant or machinery, materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>   |
|  | 4.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to dismantling and demolishing structures up to 15 metres using plant or machinery, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | 4.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.  |
|  | 4.5 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.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|--|--|
| 5 Request and select the required quantity and quality of resources for the methods of work to operate plant or machinery to dismantle and/or demolish structures up to 15 metres. | 5.1 Request and select resources associated with own work in relation to consumables, materials, attachments, tools, and equipment.  |
|  | 5.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– consumables, lubricants, fuels</li> <li>– spill kits</li> <li>– demolition plant, machinery and attachments</li> <li>– demolition tools, equipment and consumables.</li> </ul> |
|  | 5.3 Describe how to confirm that the resources and materials conform with the specification.   |
|  | 5.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.   |
|  | 5.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.   |
|  | 5.6 Describe any potential hazards associated with the resources and methods of work.  |
|  | 5.7 Describe how to estimate weight, quantity, length and area associated with the method and procedure to operate plant or machinery to dismantle and demolish structures up to 15 metres and segregate, stockpile, remove and load components and materials.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|---|---|
| 6 Minimise the risk of damage to the work and surrounding area when operating plant or machinery to dismantle and/or demolish structures up to 15 metres.         | 6.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.  |
|   | 6.2 Maintain a clear and tidy work space.   |
|   | 6.3 Dispose of waste in accordance with current legislation.  |
|   | 6.4 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.   |
|   | 6.5 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.   |
| 7 Complete the work within the allocated time when operating plant or machinery to dismantle and/or demolish structures up to 15 metres.                          | 7.1 Demonstrate completion of the work within the allocated time.   |
|   | 7.2 Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of productivity targets and time scales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |
| 8 Comply with the given contract information to operate plant or machinery to dismantle and/or demolish structures up to 15 metres to the required specification. | 8.1 Demonstrate the following work skills when operating plant or machinery to dismantle and/or demolish structures up to 15 metres: <ul style="list-style-type: none"> <li>– adjusting, checking, communicating, manoeuvring, positioning, dismantling, demolishing, segregating, stockpiling, removing and loading.</li> </ul>                    |
|   | 8.2 Use and maintain hand tools, equipment and/or accessories.  |
|   | 8.3 Maintain established exclusion zones, operate plant or machinery to dismantle and/or demolish structures up to 15 metres and segregate, stockpile, remove and load materials to given working instructions.   |
|   | 8.4 Shut down and secure the plant or machinery to given working instructions.  |



## Units – Learning Outcomes and Assessment Criteria

| Learning outcomes<br><i>The learner will be able to:</i> | Assessment criteria<br><i>The learner can:</i>   |
|--|--|
| 8 Continued  | <p>8.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to:</p> <ul style="list-style-type: none"> <li>– identify the characteristics of the plant and machinery appropriate to the demolition and segregation operation</li> <li>– carry out performance checks for the demolition and segregation operation</li> <li>– identify the area to be dismantled and demolished</li> <li>– maintain established exclusion zones and designated areas</li> <li>– carry out pre-operational checks for obstructions, safety and security of the work and surrounding area</li> <li>– check ground conditions to ensure the stability of plant or machinery during dismantling and demolishing activities</li> <li>– avoid damage to surrounding structures and utilities</li> <li>– dismantle and demolish structures</li> <li>– segregate and safely remove materials into stockpiles and/or containers</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional pre-build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant, machinery and pedestrian operatives</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– shut down and secure plant or machinery</li> <li>– fit and remove attachments using direct and quick-hitch type couplers.</li> </ul> |
|  | <p>8.6 Describe the needs of other occupations and how to communicate effectively within a team when operating plant or machinery to dismantle and demolish structures up to 15 metres.</p>  |
|  | <p>8.7 Describe how to check and maintain the plant or machinery, tools and equipment used when operating plant or machinery to dismantle and demolish structures up to 15 metres.</p>   |

## Units – Learning Outcomes and Assessment Criteria

|   |   |
|---|---|
| <b>Title:</b>                                 | Operating plant or machinery to dismantle and/or demolish structures up to 15 metres in the workplace   |
| <b>Additional information about this unit</b> |   |
| Assessment Guidance                           | <p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> |
| Sector Subject Areas                          | 05.2 Building and Construction  |
| Availability for use                          | Shared unit   |
| Unit guided learning hours                    | 380   |
| Assessment                                    | 10  |

## Units – Learning Outcomes and Assessment Criteria

|  |   |  |
|--|---|--|
| <b>Unit</b>  | Operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures in the workplace |  |
| <b>Unit Number:</b>  | Y/618/8490  |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |  |
| 1 Interpret the given information relating to the work and resources when operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures.                                    | 1.1   | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.   |
|  | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool box talks, manufacturers' information, electronic data, official guidance and current regulations associated with the remote and pedestrian controlled operation of plant or machinery to dismantle and demolish structures.</li> </ul> |
| 2 Organise with others the sequence and operation in which demolition operations using remote and/or pedestrian controlled plant or machinery to dismantle and or demolish structures are to be carried out.           | 2.1   | Organise the work according to given information or instructions.  |
|  | 2.2   | Describe how to communicate ideas between team members.  |
|  | 2.3   | Organise and communicate with team members and other associated occupations.   |
|  | 2.4   | Describe how to organise resources prior to and during demolition operations.  |
| 3 Know how to comply with relevant legislation and official guidance to carry out demolition operations when operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures. | 3.1   | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>  |
|  | 3.2   | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company, operative vehicles, tool and plant.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|--|---|
| 3 Continued  | 3.3 Explain what the accident reporting procedures are and who is responsible for making reports.   |
|  | 3.4 Describe the types of fire extinguishers available when operating remote and pedestrian controlled plant or machinery to dismantle and demolish structures and describe how and when they are used:<br><br>water, CO <sub>2</sub> , foam and powder.  |
| 4 Maintain safe and healthy working practices when operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures. | 4.1 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 operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures.  |
|  | 4.2 Demonstrate compliance with given information and relevant legislation when operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– segregation and safe storage of demolished materials</li> <li>– safe use, storage and handling of plant or machinery, materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>  |
|  | 4.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to dismantling and demolishing structures using remote and pedestrian controlled plant or machinery, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | 4.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.   |
|  | 4.5 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.  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|---|---|
| <p>5 Request and select the required quantity and quality of resources for the methods of work to operate remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures.</p> | <p>5.1 Request and select resources associated with own work in relation to consumables, materials, attachments, tools, and equipment.</p>  |
|   | <p>5.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to:</p> <ul style="list-style-type: none"> <li>– consumables, lubricants, fuels</li> <li>– spill kits</li> <li>– demolition plant, machinery and attachments</li> <li>– demolition tools, equipment and consumables.</li> </ul> |
|   | <p>5.3 Describe how to confirm that the resources and materials conform with the specification.</p>   |
|   | <p>5.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.</p>   |
|   | <p>5.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.</p>   |
|   | <p>5.6 Describe any potential hazards associated with the resources and methods of work.</p>  |
|   | <p>5.7 Describe how to estimate weight, quantity, length and area associated with the method and procedure to operate remote and pedestrian controlled plant or machinery to dismantle and demolish structures and segregate, stockpile, remove and load components and materials.</p>  |
| <p>6 Minimise the risk of damage to the work and surrounding area when operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures.</p>                          | <p>6.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.</p>   |
|   | <p>6.2 Maintain a clear and tidy work space.</p>  |
|   | <p>6.3 Dispose of waste in accordance with current legislation.</p>   |
|   | <p>6.4 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>6.5 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.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|---|---|
| 7 Complete the work within the allocated time when operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures.                          | 7.1 Demonstrate completion of the work within the allocated time.   |
|   | 7.2 Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of productivity targets and time scales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>   |
| 8 Comply with the given contract information to operate remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures to the required specification. | 8.1 Demonstrate the following work skills when operating remote and/or pedestrian controlled plant or machinery to dismantle and/or demolish structures: <ul style="list-style-type: none"> <li>– adjusting, checking, communicating, manoeuvring, positioning, dismantling, demolishing, segregating, stockpiling, removing and loading.</li> </ul>  |
|   | 8.2 Use and maintain hand tools, equipment and/or accessories.  |
|   | 8.3 Maintain established exclusion zones, operate remote and/or pedestrian controlled plant or machinery to dismantle and/or segregate structures and stockpile, remove and load materials to given working instructions.   |
|   | 8.4 Shut down and secure the plant or machinery to given working instructions.  |
|   | 8.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: <ul style="list-style-type: none"> <li>– identify the characteristics of the plant and machinery appropriate to the demolition and segregation operation</li> <li>– carry out performance checks for the demolition and segregation operation</li> <li>– identify the area to be dismantled and demolished</li> <li>– maintain established exclusion zones and designated areas</li> <li>– carry out pre-operational checks for obstructions, safety and security of the work and surrounding area</li> <li>– check ground conditions to ensure the stability of plant or machinery during dismantling and demolishing activities</li> <li>– avoid damage to surrounding structures and utilities</li> <li>– dismantle and demolish structures</li> <li>– segregate and safely remove materials into stockpiles and/or containers</li> <li>– provide information for Building Information Modelling (BIM)</li> </ul> |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i> | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 8 Continued   | <ul style="list-style-type: none"> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional pre-build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant, machinery and pedestrian operatives</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– shut down and secure plant or machinery</li> <li>– fit and remove attachments using direct and quick-hitch type couplers.</li> </ul> |
|   | 8.6 Describe the needs of other occupations and how to communicate effectively within a team when operating remote and pedestrian controlled plant or machinery to dismantle and demolish structures.  |
|   | 8.7 Describe how to check and maintain the plant or machinery, tools and equipment used when operating remote and pedestrian controlled plant or machinery to dismantle and demolish structures.   |

## Units – Learning Outcomes and Assessment Criteria

| 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             | 530  |
| Assessment                             | 10   |



## Units – Learning Outcomes and Assessment Criteria

|  |  |  |
|--|--|--|
| <b>Unit:</b>   | Operating demolition skid steer to dismantle and/or demolish structures in the workplace |  |
| <b>Unit Number:</b>  | D/618/8491   |  |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>                                    |  |
| 1 Interpret the given information relating to the use of demolition skid steer to dismantle and/or demolish structures.  | 1.1  | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.   |
|  | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool box talks, manufacturers' information, electronic data, official guidance and current regulations associated with the operation of demolition skid steer to dismantle and demolish structures.</li> </ul> |
| 2 Organise with others the sequence and operation in which demolition operations using demolition skid steer to dismantle and/or demolish structures are to be carried out.  | 2.1  | Organise the work according to given information or instructions.  |
|  | 2.2  | Describe how to communicate ideas between team members.  |
|  | 2.3  | Organise and communicate with team members and other associated occupations.   |
|  | 2.4  | Describe how to organise resources prior to and during demolition operations.  |
| 3 Know how to comply with relevant legislation and official guidance to carry out demolition operations using demolition skid steer to dismantle and/or demolish structures. | 3.1  | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>  |
|  | 3.2  | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company, operative, vehicles, tools and plant.   |
|  | 3.3  | Explain what the accident reporting procedures are and who is responsible for making reports.  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 3 Continued   | <p>3.4 Describe the types of fire extinguishers available when operating demolition skid steer to dismantle and demolish structures and describe how and when they are used:</p> <ul style="list-style-type: none"> <li>- water, CO<sub>2</sub>, foam and powder.</li> </ul>   |
| 4 Maintain safe and healthy working practices when operating demolition skid steer to dismantle and/or demolish structures. | <p>4.1 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 using demolition skid steer to dismantle and/or demolish structures.</p>   |
|   | <p>4.2 Demonstrate compliance with given information and relevant legislation when operating demolition skid steer to dismantle and/or demolish structures in relation to the following:</p> <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– segregation and safe storage of demolished materials</li> <li>– safe use, storage and handling of plant or machinery, materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>   |
|   | <p>4.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to dismantling and demolishing structures using demolition skid steer, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|   | <p>4.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.</p>   |
|   | <p>4.5 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>  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|--|--|
| 5 Request and select the required quantity and quality of resources for the methods of work to operate demolition skid steer to dismantle and/or demolish. | 5.1 Request and select resources associated with own work in relation to consumables, materials, attachments, tools, and equipment.  |
|  | 5.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– consumables, lubricants, fuels</li> <li>– spill kits</li> <li>– demolition plant, machinery and attachments</li> <li>– demolition tools, equipment and consumables.</li> </ul> |
|  | 5.3 Describe how to confirm that the resources and materials conform with the specification.   |
|  | 5.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.   |
|  | 5.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.   |
|  | 5.6 Describe any potential hazards associated with the resources and methods of work.  |
|  | 5.7 Describe how to estimate weight, quantity, length and area associated with the method and procedure to operate demolition skid steer to dismantle and demolish structures and segregate, stockpile, remove and load components and materials.  |
| 6 Minimise the risk of damage to the work and surrounding area when operating demolition skid steer to dismantle and/or demolish structures.               | 6.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.   |
|  | 6.2 Maintain a clear and tidy work space.  |
|  | 6.3 Dispose of waste in accordance with current legislation.   |
|  | 6.4 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.  |
|  | 6.5 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.  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|--|---|
| 7 Complete the work within the allocated time when operating demolition skid steer to dismantle and/or demolish structures.                          | 7.1 Demonstrate completion of the work within the allocated time.   |
|  | 7.2 Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of productivity targets and time scales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |
| 8 Comply with the given contract information to operate demolition skid steer to dismantle and/or demolish structures to the required specification. | 8.1 Demonstrate the following work skills when operating demolition skid steer to dismantle and/or demolish structures: <ul style="list-style-type: none"> <li>– adjusting, checking, communicating, manoeuvring, positioning, dismantling, demolishing, segregating, stockpiling, removing and loading.</li> </ul>                                 |
|  | 8.2 Use and maintain hand tools, equipment and/or accessories.  |
|  | 8.3 Maintain established exclusion zones, operate demolition skid steer to dismantle and/or demolish structures and segregate, stockpile, remove and load materials to given working instructions.  |
|  | 8.4 Shut down and secure the plant or machinery to given working instructions.  |

## Units – Learning Outcomes and Assessment Criteria

| Learning outcomes<br><i>The learner will be able to:</i> | Assessment criteria<br><i>The learner can:</i>   |
|--|--|
| 8 Continued  | <p>8.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to:</p> <ul style="list-style-type: none"> <li>– identify the characteristics of the plant and machinery appropriate to the demolition and segregation operation</li> <li>– carry out performance checks for the demolition and segregation operation</li> <li>– identify the area to be dismantled and demolished</li> <li>– maintain established exclusion zones and designated areas</li> <li>– carry out pre-operational checks for obstructions, safety and security of the work and surrounding area</li> <li>– check ground conditions to ensure the stability of plant or machinery during dismantling and demolishing activities</li> <li>– avoid damage to surrounding structures and utilities</li> <li>– dismantle and demolish structures</li> <li>– segregate and safely remove materials into stockpiles and/or containers</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional pre-build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant, machinery and pedestrian operatives</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– shut down and secure plant or machinery</li> <li>– fit and remove attachments using direct and quick-hitch type couplers.</li> </ul> |
|  | <p>8.6 Describe the needs of other occupations and how to communicate effectively within a team when operating demolition skid steer to dismantle and demolish structures.</p>   |
|  | <p>8.7 Describe how to check and maintain the plant or machinery, tools and equipment used when operating demolition skid steer to dismantle and demolish structures.</p>  |

## Units – Learning Outcomes and Assessment Criteria

| 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             | 180   |
| Assessment                             | 10  |

## Units – Learning Outcomes and Assessment Criteria

|   |   |   |
|---|---|---|
| <b>Unit:</b>  | Operating demolition rigged plant for materials processing in the workplace |   |
| <b>Unit Number:</b>   | H/618/8492  |   |
| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>                       |   |
| 1 Interpret the given information relating to the work and resources when operating demolition rigged plant for materials processing. | 1.1   | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, permits to work, manufacturers' information and organisational requirements.  |
|   | 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, permits to work, site inductions, tool box talks, manufacturers' information, electronic data, official guidance and current regulations associated with operating demolition rigged plant for materials processing.</li> </ul> |
| 2 Organise with others the sequence and operation in which demolition rigged plant for materials processing is to be carried out.     | 2.1   | Organise the work according to given information or instructions.   |
|   | 2.2   | Describe how to communicate ideas between team members.   |
|   | 2.3   | Organise and communicate with team members and other associated occupations.  |
|   | 2.4   | Describe how to organise resources prior to and during demolition operations.   |
| 3 Know how to comply with relevant legislation and official guidance when operating demolition rigged plant for materials processing. | 3.1   | Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting.</li> </ul>   |
|   | 3.2   | Describe the organisational security procedures for tools, equipment and personal belongings in relation to project, site, workplace, company, operative, vehicles, tools and plant.  |
|   | 3.3   | Explain what the accident reporting procedures are and who is responsible for making reports.   |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>  | <b>Assessment criteria</b><br><i>The learner can:</i>   |
|--|---|
| 3 Continued  | 3.4 Describe the types of fire extinguishers available when using demolition rigged plant for materials processing and describe how and when they are used. <ul style="list-style-type: none"> <li>– water, CO<sub>2</sub>, foam, powder.</li> </ul>  |
| 4 Maintain safe and healthy working practices when operating demolition rigged plant for materials processing.   | 4.1 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 operating demolition rigged plant for materials processing.  |
|  | 4.2 Demonstrate compliance with given information and relevant legislation when operating demolition rigged plant for materials processing in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– segregation and safe storage of materials and arisings</li> <li>– safe use, storage and handling of components, tools and equipment</li> <li>– specific risks to health.</li> </ul>   |
|  | 4.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to operating demolition rigged plant for materials processing, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul> |
|  | 4.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.   |
|  | 4.5 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.  |
| 5 Request and select the required quantity and quality of resources for the methods of work to operate demolition rigged plant for materials processing. | 5.1 Request and select resources associated with own work in relation to attachments, tools and equipment.  |
|  | 5.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– tools, equipment and consumables</li> <li>– waste and recycling containers.</li> </ul>  |
|  | 5.3 Describe how to confirm that the resources and materials conform to the specification.  |



## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i>   | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 5 Continued   | 5.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.   |
|   | 5.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.   |
|   | 5.6 Describe any potential hazards associated with the resources and methods of work.  |
|   | 5.7 Describe how to estimate weight, quantity, length and area associated with the method and procedure to operate demolition rigged plant for materials processing to remove, segregate, recycle and recover components, materials and arisings in demolition and load materials.   |
| 6 Minimise the risk of damage to the work and surrounding area when operating demolition rigged plant for materials processing.         | 6.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.   |
|   | 6.2 Maintain a clear and tidy work space.  |
|   | 6.3 Dispose of waste in accordance with current legislation.   |
|   | 6.4 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.  |
|   | 6.5 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.  |
| 7 Complete the work within the allocated time when operating demolition rigged plant for materials processing.                          | 7.1 Demonstrate completion of the work within the allocated time.  |
|   | 7.2 Describe the purpose of the work programme and describe why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of productivity targets and time scales</li> <li>– how times are estimated</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul> |
| 8 Comply with the given contract information to operate demolition rigged plant for materials processing to the required specification. | 8.1 Demonstrate the following work skills when using demolition rigged plant for materials processing: <ul style="list-style-type: none"> <li>– adjusting, checking, communicating, manoeuvring, positioning, segregating, stockpiling, removing and loading.</li> </ul>   |
|   | 8.2 Use and maintain hand tools, equipment and/or accessories.   |

## Units – Learning Outcomes and Assessment Criteria

| Learning outcomes<br><i>The learner will be able to:</i> | Assessment criteria<br><i>The learner can:</i>  |
|--|---|
| 8 Continued  | 8.3 Maintain established exclusion zones, operate demolition rigged plant for materials processing to segregate, stockpile, remove and load materials and arisings in the workplace to given working instructions.  |
|  | 8.4 Shut down and secure the plant or machinery to given working instructions.  |
|  | 8.5 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"> <li>– identify the area to be used in materials processing operations</li> <li>– identify the characteristics of the plant and machinery appropriate to the materials processing and segregation operation</li> <li>– carry out pre-operational checks for obstructions, safety and security of the work and surrounding area</li> <li>– check ground conditions to ensure the stability of plant or machinery during materials processing activities</li> <li>– fit and remove attachments using direct and quick-hitch type couplers</li> <li>– carry out performance checks for the demolition attachments used in the processing and segregation operations</li> <li>– segregate and safely remove materials and arisings into stockpiles and/or containers</li> <li>– work with, around and in close proximity to plant, machinery and pedestrian operatives</li> <li>– maintain established exclusion zones and designated areas</li> <li>– avoid damage to surrounding structures and utilities</li> <li>– direct and guide the operations and movement of plant and machinery</li> <li>– shut down and secure plant or machinery</li> <li>– provide information for Building Information Modelling (BIM)</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance.</li> </ul> |
|  | 8.6 Describe the needs of other occupations and how to communicate effectively within a team when operating demolition rigged plant for materials processing and arisings.  |

## Units – Learning Outcomes and Assessment Criteria

| <b>Learning outcomes</b><br><i>The learner will be able to:</i> | <b>Assessment criteria</b><br><i>The learner can:</i>  |
|---|--|
| 8 Continued   | 8.7 Describe how to check and maintain the plant or machinery, hand tools and equipment when operating demolition rigged plant for materials processing. |

| <b>Additional information about this unit</b> |   |
|---|---|
| Assessment Guidance                           | <p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> |
| Sector Subject Areas                          | 05.2 Building and Construction  |
| Availability for use                          | Shared unit   |
| Unit guided learning hours                    | 180   |
| Assessment                                    | 10  |



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