Level 2 NVQ Diploma in Construction Operations and Civil Engineering Services – Highways Maintenance (Construction)

Qualification Specification

Contents

Introduction

The ProQual Level 2 NVQ Diploma in Construction Operations and Civil Engineering Services – Highways Maintenance (Construction) qualification provides a nationally recognised qualification for individuals working in this sector. There are 8 pathways available:

Pathway 1: Modular Pavement Construction
Pathway 2: Drainage Construction
Pathway 3: Excavation and Reinstatement
Pathway 4: Flexible Pavement Construction
Pathway 5: Highways Maintenance – Structural Concreting
Pathway 6: Highways Maintenance – Non-Structural Concreting
Pathway 7: Highways Maintenance – Laying Kerbs and Channels
Pathway 8: Highways Maintenance – General Building Operations

The awarding body for this qualification is ProQual Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual). The specification for the qualifications has been approved by the Welsh Government for use by centres in Wales and by the Council for the Curriculum Examinations and Assessment (CCEA) for use by centres in Northern Ireland. This qualification has been accredited onto the Regulated Qualifications Framework (RQF) and it provides a progression route to discipline related qualifications.

Qualification Profile
Level 2 NVQ Diploma in Construction Operations and Civil Engineering Services – Highways Maintenance (Construction)

Qualification title	**ProQual Level 2 NVQ Diploma in Construction Operations and Civil Engineering Services – Highways Maintenance (Construction)**
Ofqual qualification number	601/0963/4
Level	3
Total qualification time	410 hours
Guided learning hours	137
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	1/9/2013
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

Candidates must achieve **41 credits**:

- 5 credits from the Mandatory units
- a minimum of 10 credits from the Optional units, plus
- a minimum of 26 credits from one pathway

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
A/503/1170	Conforming to General Health, Safety and Welfare in the Workplace	1	2
J/503/1169	Conforming to Productive Working Practices in the Workplace	2	3
Optional Units – candidates must achieve a minimum of 10 credits from this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
T/503/9560	Establishing Work Area Protection and Safety in the Workplace	2	10
K/503/9622	Segregating the Area for Highways Works in the Workplace	2	12

Pathways – Candidates must complete one pathway

Pathway 1: Modular Pavement Construction
Pathway 2: Drainage Construction
Pathway 3: Excavation and Reinstatement
Pathway 4: Flexible Pavement Construction
Pathway 5: Highways Maintenance – Structural Concreting
Pathway 6: Highways Maintenance – Non-Structural Concreting
Pathway 7: Highways Maintenance – Laying Kerbs and Channels
Pathway 8: Highways Maintenance – General Building Operations

Additional Units – Candidates may complete any of the Additional Units but they will not count towards the qualification

Pathway 1: Module Pavement Construction

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	2	8
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	5
J/503/9627	Laying Module Pavement in the Workplace	2	14

Pathway 2: Drainage Construction

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	2	8
A/503/9544	Installing Drainage in the Workplace	2	19

Pathway 3: Excavation and Reinstatement

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
A/503/9639	Locating and Protecting Utilities Apparatus and Sub-structures in the Workplace	2	12
Y/503/9650	Excavating Holes and Trenches – Manual Digging in the Workplace	2	10
H/503/9442	Reinstating Excavation and Highway Surfaces in the Workplace	2	12

Pathway 4: Flexible Pavement Construction

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	2	8
Y/503/9440	Laying Flexible Pavements in the Workplace	2	14
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	5

Pathway 5: Highways Maintenance – Structural Concreting

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
M/503/9637	Pouring Concrete to Form Structures in the Workplace	2	18
R/503/9663	Erecting and Striking Proprietary Formwork in the Workplace	2	17
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	5

Pathway 6: Highway Maintenance – Non-Structural Concreting

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
H/503/9506	Placing and Finishing Non-specialist Concrete in the Workplace	2	21
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	5

Pathway 7: Highways Maintenance – Laying Kerbs and Channels

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
D/503/9634	Laying Kerbs and Channels in the Workplace	2	14
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	2	8
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	5

Pathway 8: Highways Maintenance – General Building Operations

Mandatory Units – candidates must complete all units in this group			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
J/503/9627	Laying Modular Pavement in the Workplace	2	14
D/503/9634	Laying Kerbs and Channels in the Workplace	2	14
L/600/8101	Setting Out Secondary Dimensional Work Control in the Workplace	2	8

Additional Units

Additional Units – candidates may complete any of the Additional Unit but they will not count towards the qualification			
Unit Reference Number	**Unit Title**	**Unit Level**	**Credit Value**
K/600/8087	Preparing to and Directing and Guiding Plant and Plant Operations in the Workplace	2	7
M/600/8091	Preparing for, and Arranging and Securing Plant for Haulage in the Workplace	2	16
D/600/8099	Preparing and Operating Specialist Powered Tools and Equipment in the Workplace	2	4
R/600/8102	Slinging and Signalling the Movement of Loads (Secondary Role) in the Workplace	2	8
A/600/8157	Reinstating Ground Condition in the Workplace	2	12
D/600/8281	Erecting and Dismantling Access/Working Platforms in the Workplace	2	8
M/503/9623	Installing Street Ironwork in the Workplace	2	9
K/503/9636	Providing Temporary Excavation Support in the Workplace	2	15
H/503/9442	Reinstating Excavation and Highways Surfaces in the Workplace	2	12
A/600/7977	Preparing and Operating Forward Tipping Dumpers to Receive, Transport and Discharge Materials in the Workplace	2	16
K/600/8073	Preparing and Operating Ride-on Rollers to Compact Materials in the Workplace	2	16
F/503/1171	Moving, Handling and Storing Resources in the Workplace	2	5

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
For each competence-based unit centres must be able to provide at least one assessor and one internal quality assurance verifier who are suitably qualified for the specific occupational area. Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or verifier qualifications, such as:

- Award in Assessing Competence in the Work Environment
- Award in Assessing Vocationally Related Achievement
- Certificate in Assessing Vocational Achievement
- Award in the Internal Quality Assurance of Assessment Processes and Practices
- Certificate in Leading the Internal Quality Assurance of Assessment Processes and Practices

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.

Assessment

This suite of qualifications are 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 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 11.

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 required credits for qualifications will be awarded:

- A certificate listing all units achieved with their related credit value, 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 required number of credits for a qualification. All certificates will be issued to the centre for successful candidates.

Unit certificates

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

Learning Outcomes and Assessment Criteria
Unit A/503/1170
Conforming to General Health, Safety and Welfare in the Workplace.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
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: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
		1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		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.
		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.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		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: – dealing with accidents and emergencies associated with the work and environment – methods of receiving or sourcing information – reporting – stopping work – evacuation – fire risks and safe exit procedures – consultation and feedback.
		3.7	State the appropriate types of fire extinguishers relevant to the work.
		3.8	State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.
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: – recognising when to stop work in the face of serious and imminent danger to self and/or others

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
			– contributing to discussions and providing feedback – reporting changed circumstances and incidents in the workplace – complying with the environmental requirements of the workplace.
		4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5	Comply with and support all organisational security arrangements and approved procedures.	5.1	Provide appropriate support for security arrangements in accordance with approved procedures: – during the working day – on completion of the day's work – for unauthorised personnel (other operatives and the general public) – for theft.
		5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Unit J/503/1169
Conforming to Productive Working Practices in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
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: – using resources for own and other's work requirements – allocating appropriate work to employees – organising the work sequence – reducing carbon emissions.
		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: – job cards – worksheets – material/resource lists – time sheets.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		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.
		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: – individuals – customer and operative – operative and line management – own and other occupations.
		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.

Unit T/503/9560
Establishing Work Area Protection and Safety in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when establishing work area protection and safety.	1.1	Interpret and extract relevant information from drawings, plans, risk assessments, method statements, specifications, schedules, site inspections and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, plans, risk assessments, method statements, specifications, schedules, site inspection reports, manufacturers' information, regulations and official guidance associated with protecting work areas.
2	Know how to comply with relevant legislation and official guidance when establishing work area protection and safety.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when establishing work area protection and safety.	3.1	Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when establishing work area protection and safety.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Comply with information relating to specific risks to health when establishing work area protection and safety.
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to establishing work area protection and safety, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to establish work area protection and safety.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – safety and security barriers – protection and safety notices – temporary structures – signs and lighting – hand and/or powered tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity, length and area associated with the method/procedure to establish work area protection and safety.
5	Minimise the risk of damage to the work and surrounding area when establishing work area protection and safety.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when establishing work area protection and safety.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to	7.1	Demonstrate the following work skills when establishing work area protection and safety:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
establish work area protection and safety to the required specification.		– measuring, setting out, positioning, assembling, constructing, securing and dismantling.
	7.2	Install, maintain and remove temporary protection and safety arrangements for the work area, to given working instructions, relating to barriers/temporary structures and one of the following: – protection and safety notices – safety lighting.
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when establishing work area protection and safety.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – plan for the protection and the safety of the work and surrounding environment – install, check and maintain the protection and safety equipment – dismantle and remove protection and safety equipment – install safety notices – install lighting systems – use hand tools, power tools and equipment – work at height – use access equipment.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when establishing work area protection and safety.
	7.7	Describe how to maintain the tools and equipment used when establishing work area protection and safety.

Unit K/503/9622
Segregating the Area for Highways Works in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when segregating the area for highways works.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules, site inspections and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, risk assessments, method statements, schedules, manufacturers' information, statutory regulations, current legislation, official guidance and Codes of Practice governing traffic management relating to the highways works.
2	Know how to comply with relevant legislation and official guidance when segregating the area for highways works.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, 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.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when segregating the area for highways works.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when segregating the area for highways works.
		3.2	Comply with information relating to specific risks to health when segregating the area for highways works.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to segregating the area for highways works, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, traffic incidents and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to segregate the area for highways works.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – signs, lights, guards and portable traffic lights – pedestrian and vehicular traffic control systems – tools and ancillary equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to segregate the area for highways works.
5	Minimise the risk of damage to the work and surrounding area when segregating the area for highways works.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when segregating the area for highways works.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to segregating the area for highways works to the required specification.	7.1	Demonstrate the following work skills when segregating the area for highways works: – measuring, locating, setting out, positioning, assembling and removing.
		7.2	Segregate the area for live highways works in compliance with recognised current legislation and official guidance and given working instructions, relating to the following: – access and egress to site

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– work activity and storage of resources – signs, lighting and guarding, portable traffic signals for traffic management control.
	7.3 Remove signs, lighting and guarding, portable traffic signals in compliance with recognised current legislation and official guidance.
	7.4 Safely use materials, tools and ancillary equipment.
	7.5 Safely store the materials, tools and equipment used when segregating the area for highways works.
	7.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – plan for site safety, storage of materials and traffic management control around the highways works – set out signs, traffic lights, guarding for traffic management control – check and maintain operation of traffic control equipment – dismantle and remove signs, traffic lights, guarding – use hand tools, power tools and equipment.
	7.7 Describe the needs of other occupations and how to effectively communicate within a team when segregating the area for highways works.
	7.8 Describe how to maintain the hand tools and/or portable power tools, ancillary equipment and traffic control equipment used when segregating the area for highways works.

Unit L/600/8101
Setting Out Secondary Dimensional Work Control in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to setting out dimensional control of the work.	1.1	Interpret and extract information from drawings, method statements, specifications, schedules manufacturers' information and reference point.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, method statements, manufacturers' information, reference points and regulations governing buildings and construction work.
2	Know how to comply with relevant legislation and official guidance to set out dimensional control of the work.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	State what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe working practices when setting out dimensional control of the work.	3.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during setting out dimensional control of the work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Explain why and when personal protective equipment (PPE) should be used, relating to setting out dimensional control of the work, and the types, purpose and limitations of each type.
		3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources to set out dimensional control of the work.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – measuring tools and equipment – marking equipment – level and alignment tools.
		4.2	Select resources associated with the work in relation to measuring tools and instruments, marking materials/components and tools and equipment.
		4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		4.4	Outline potential hazards associated with the resources and method of work.
		4.5	Describe how to calculate quantity of resources associated with the work methods.
5	Minimise the risk of damage to the work and surrounding area when setting out dimensional control of the work.	5.1	Protect the work and its surrounding area from damage.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		5.4	Dispose of waste in accordance with legislation.
		5.5	State why the disposal of waste should be carried out safely in relation to the work.
6	Complete the work within the allocated time when setting out dimensional control of the work.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	State the purpose of the work programme and describe why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the lifting operation.
7	Comply with the given contract information to set out dimensional control of the work to the required specification.	7.1	Demonstrate the following work skills when setting out dimensional control of the work: – transferring, transposing, levelling, measuring, marking, positioning, fixing and securing.
		7.2	Setting out dimensional control for the work to contractor's working instructions for any three of the following: – line – level – depth – area – height – angle.
		7.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – measure and set out secondary dimensional control for the work – measure, align and level to dimensional control requirements – transfer and set out line, angles and levels to dimensional control requirements

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
		– use hand tools and measuring and marking equipment – work at height – use access equipment.
	7.4	Describe how to calculate height, depth, angle, length and area associated with the method/procedures to set out dimensional control of the work.
	7.5	Safely use and store hand tools and ancillary equipment.
	7.6	State the needs of other occupations and how to communicate within a team when setting out dimensional control of the work.
	7.7	Describe how to maintain the tools and equipment used to set out dimensional control of the work.

Unit F/503/1171
Moving, Handling and Storing Resources in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
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: – 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.
		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.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
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.
		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 and/or storing resources, and the types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		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: – lifting and handling aids – container(s) – fixing, holding and securing systems.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		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.
		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 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 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: – progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given occupational resource	7.1	Demonstrate the following work skills when moving, handling and/or storing occupational resources:

Learning Outcome - The learner will:		Assessment Criterion - The learner can:
information to move, handle and/or store resources to the required guidance.		– moving, positioning, storing, securing and/or using lifting aids and kinetic lifting techniques.
	7.2	Move, handle and/or store occupational resources to meet product information and organisational requirements relating to three of the following: – sheet material – loose material – bagged or wrapped material – ragile material – tools and equipment – components – liquids.
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them when moving, handling and/or storing occupational resources.
	7.4	Describe the needs of other occupations when moving, handling and/or storing resources.

Unit J/503/9627
Laying Modular Pavement in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when laying modular pavement.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information and regulations governing the laying of modular pavement.
2	Know how to comply with relevant legislation and official guidance when laying modular pavement.	2.1	Describe their responsibilities regarding potential accidents and health hazards whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when laying modular pavement.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when laying modular pavement.
		3.2	Comply with information relating to specific risks to health when laying modular pavement.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to laying modular pavement, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to lay modular pavement.	4.1	Select resources associated with own work in relation to materials and components, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – sand, graded granular material, lean mix concrete – blocks, stone setts, bricks, flags, natural stone – hand and/or powered tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to lay modular pavement.
5	Minimise the risk of damage to the work and surrounding area when laying modular pavement.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when laying modular pavement.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to lay modular pavement to the required specification.	7.1	Demonstrate the following work skills when laying modular pavement: – measuring, marking out, cutting, laying, levelling, aligning, compacting and finishing.
		7.2	Lay modular pavement manually and/or by machine to given working instructions, for one of the following: – block paving – brick paving

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– Stone/concrete setts – natural stone rough cut (riven/cropped) – natural stone uniformly cut (sawn in dimension) – flags.
	7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4 Safely store the materials, tools and equipment used when laying modular pavement.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – confirm the type of block, brick, sett**,** flag and natural stone modular pavement – set out the area and prepare ground and foundation for modular pavement construction – confirm substrate matches given specification – mark and cut modular paving – lay modular block, brick, sett, flag and natural stone pavements manually and/or by machine – lay modular block, brick, sett, flag and natural stone pavement, domestic and/or commercial to the required design/pattern, levels and stability.
	7.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: - monitor work against specification(s) – identify the differences between rigid (bound) and flexible (unbound) paving – install kerbs, channels, edgings and drainage – lift modular paving for removal maintenance and repair – maintain and repair modular paving to match existing design functions – use hand tools, power tools and equipment.
	7.7 Describe the needs of other occupations and how to effectively communicate within a team when laying modular pavement.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.8	Describe how to maintain the tools and equipment used when laying modular pavement.

Unit A/503/9544
Installing Drainage in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when installing drainage.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing the installation and construction of drainage systems.
2	Know how to comply with relevant legislation and official guidance when installing drainage.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when installing drainage.	3.1	Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when installing drainage.
		3.2	Comply with information relating to specific risks to health when installing drainage.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to installing drainage, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to install drainage.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – pipes, fittings and ancillary components – pre-cast (metal, concrete, clay or plastic) components – bricks, blocks and sandbags – granular materials, aggregates, cement, concrete, mortars and sand – sealant materials (adhesives, compounds, solvents) hand and/or powered tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install drainage.
5	Minimise the risk of damage to the work and surrounding area when installing drainage.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when installing drainage.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install drainage to the required specification.	7.1	Demonstrate the following work skills when installing drainage: – measuring, marking out, laying, positioning, fitting, levelling, plumbing, aligning, securing and testing.
		7.2	Install and test new and/or replacement, foul and/or surface water drainage for two of the following to given working instructions:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
		– pipework (e.g. clay, concrete, metal, or plastic) – inspection chambers (e.g. brick, concrete, metal or plastic) – surface water systems (e.g. cells, culverts, high capacity, linear, balancing ponds, interceptors, recycling equipment, soak-a-ways, sustainable urban drainage systems) foul water systems (e.g. cess pools, septic tanks, reed beds, treatment plants).
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when installing drainage.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – excavate trenches and provide trench support – confirm ground conditions, site and excavations are suitable for the drainage installation work – prepare bedding for pipework – determine levels and gradients – identify the differences between surface and foul water drainage – lay, position, level, plumb, align, fit, fix and secure new and replacement drainage systems – construct structures of a drainage system (storm alleviation, culverts, inspection chambers, lateral drains, overflows, sumps, filter drains, sustainable urban drainage systems)
	7.6	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – assemble pre-cast components (metal, concrete, clay and plastic) of a drainage system structure (inspection chambers, street iron work) – connect and seal new systems to existing systems – conduct smoke, water, ball and close circuit television tests on drainage systems – work with plant and machinery

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– use hand tools, power tools and equipment – work at height and below ground level use access equipment.
	7.7 Describe the needs of other occupations and how to effectively communicate within a team when installing drainage.
	7.8 Describe how to maintain the tools and equipment used when installing drainage.

Unit A/503/9639
Locating and Protecting Utilities Apparatus and Sub-structures in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when locating and protecting utilities apparatus and sub-structures.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements**,** specifications, schedules, survey information and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, organisational and manufacturers' information and regulations governing utilities.
2	Know how to comply with relevant legislation and official guidance when locating and protecting utilities apparatus and sub-structures.	2.1	Describe their responsibilities regarding potential accidents and health hazards whilst working: – in the workplace, 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.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
		2.4	Describe the types of fire extinguishers available when locating and protecting utilities apparatus and sub-structures and describe how and when they are used.
3	Maintain safe and healthy working practices	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
	when locating and protecting utilities apparatus and sub-structures.		and organisational requirements when locating and protecting utilities apparatus and sub-structures.
		3.2	Comply with information relating to specific risks to health when locating and protecting utilities apparatus and sub-structures.
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to locating and protecting utilities apparatus and sub-structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, damage to utilities apparatus and sub-structures and other task-related hazards.
		3.6	Demonstrate the safe use of a fire extinguisher relevant to a typical fire associated with locating and protecting utilities apparatus and sub-structures as relevant to the operations.
4	Select the required quantity and quality of resources for the methods of work to locate and protect utilities apparatus and sub-structures.	4.1	Select resources associated with own work in relation to materials and components, tools and equipment, and electronic location instruments.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – electronic instruments – marking and protection materials – hand and/or powered tools and equipment

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
			– ancillary equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.
5	Minimise the risk of damage to the work and surrounding area when locating and protecting utilities apparatus and sub-structures.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when locating and protecting utilities apparatus and sub-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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
7	Comply with the given contract information to locate and protect utilities apparatus and sub-structures to the required specification.	7.1	Demonstrate the following work skills when locating and protecting utilities apparatus and sub-structures: – measuring, locating, marking out, positioning, protecting and securing.
		7.2	Locate and protect sub-surface and/or overhead utilities apparatus to given working instructions, relating to: – gas, fuel, electric, communications, water and sewage.
		7.3	Safely use materials, hand tools, portable power tools, ancillary equipment and electronic instruments.
		7.4	Safely store the materials, tools and equipment used when locating and protecting utilities apparatus and sub-structures.
		7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: ensure electronic equipment is calibrated identify utilities apparatus and sub-structures by electronic location, trial holes and visual confirm the type of service (gas, fuel, electric, communication, water, sewage) confirm structures (foundations, manholes, inspection chambers, joint/junction boxes) confirm any natural environment (tree roots, natural watercourse) mark the location of the service apparatus and sub-structures provide for the recognition and protection of the service apparatus**,** sub-structure**,** and the natural environment during operational activities use hand tools, power tools and equipment work at height.
		7.6	Describe the needs of other occupations and how to effectively communicate within a team when locating and protecting utilities apparatus and sub-structures.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.7	Describe how to maintain the tools and equipment used when locating and protecting utilities apparatus and sub-structures.

Unit Y/503/9650
Excavating Holes and Trenches - Manual Digging in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when excavating holes and trenches by manual digging.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information, statutory and regulatory Codes of Practice for excavations and support of the excavations.
2	Know how to comply with relevant legislation and official guidance when excavating holes and trenches by manual digging.	2.1	Describe their responsibilities regarding potential accidents and health hazards whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when excavating holes and	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when excavating holes and trenches by manual digging.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
	trenches by manual digging.	3.2	Comply with information relating to specific risks to health when excavating holes and trenches by manual digging.
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to excavating holes and trenches by manual digging and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to excavate holes and trenches by manual digging.	4.1	Select resources associated with own work in relation to materials and components, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability limitations and defects associated with the resources in relation to: – digging equipment for the excavation of holes and trenches – hand and/or powered tools and ancillary equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to excavate holes and trenches by manual digging.
5	Minimise the risk of damage to the work and surrounding area when excavating holes and trenches by manual digging.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when excavating holes and trenches by manual digging.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to excavate holes and trenches by manual digging to the required specification.	7.1	Demonstrate the following work skills when excavating holes and trenches by manual digging: – measuring, marking out, excavating and securing.
		7.2	Excavate holes and trenches in highway location and/or construction site to given working instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when excavating holes and trenches by manual digging.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify and confirm the type of surface and sub-surface composition – remove ironwork, modular components – excavate ground structures manually – guide excavating machine to excavate ground structures – avoid damage to service apparatus and sub-structures – identify and store excavated and reusable materials – position, secure and remove excavation supports – provide for access and egress – work with plant and machinery – use hand tools, power tools and equipment.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when excavating holes and trenches by manual digging.
	7.7	Describe how to maintain the tools and equipment used when excavating holes and trenches by manual digging

Unit H/503/9442
Reinstating Excavation and Highway Surfaces in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when reinstating excavation and highway surfaces.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information and regulations governing excavations and reinstatement work on highways.
2	Know how to comply with relevant legislation and official guidance when reinstating excavation and highway surfaces.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when reinstating excavation and highway surfaces.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when reinstating excavation and highway surfaces.
		3.2	Comply with information relating to specific risks to health when reinstating excavation and highway surfaces.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to reinstating excavation and highway surfaces, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to reinstate excavation and highway surfaces.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability limitations and defects associated with the resources in relation to: – new and re-usable materials, sub-base, road-base and pavement surface – cold-lay, warm lay and hot-lay bituminous materials – sands, jointing materials – concrete, blocks and flags – natural soil based materials – hand and/or powered tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to reinstate excavation and highway surfaces.
5	Minimise the risk of damage to the work and surrounding area when reinstating excavation and highway surfaces.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when reinstating excavation and highway surfaces.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to reinstate excavation and highway surfaces to the required specification.	7.1	Demonstrate the following work skills when reinstating excavation and highway surfaces: – backfilling, consolidating, laying, compacting, positioning, securing and finishing.
		7.2	Reinstate excavations and highway surfaces to given working instructions, relating to two of the following:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– sub-grades, sub-bases, road-bases – cold lay bituminous – warm lay bituminous – hot lay bituminous – concrete – modular.
	7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4 Safely store the materials, tools and equipment used when reinstating excavation and highway surfaces.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – confirm the type of ground structure for reinstatement (bituminous, concrete, modular, natural) – reinstate and compact backfill, sub-grades, sub-bases, road-bases pavement base for the relevant type of ground structure – protect service apparatus and sub-structures during reinstatement – reinstate the relevant type of ground surface, pavement surface, specialist surface treatments, kerbs, edge restraints, street ironwork and pavement markings – dispose of surplus materials use hand tools, power tools and equipment.
	7.6 Describe the needs of other occupations and how to effectively communicate within a team when reinstating excavation and highway surfaces.
	7.7 Describe how to maintain the tools and equipment used when reinstating excavation and highway surfaces.

Unit Y/503/9440
Laying Flexible Pavements in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when laying flexible pavements.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information and regulations governing the laying of flexible pavement.
2	Know how to comply with relevant legislation and official guidance when laying flexible pavements.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when laying flexible pavements.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when laying flexible pavements.
		3.2	Comply with information relating to specific risks to health when laying flexible pavements.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to laying flexible pavements and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to lay flexible pavements.	4.1	Select resources associated with own work in relation to materials, tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – sub-base and bituminous surface materials, bitumen sealer and emulsion – hand and/or powered tools and ancillary equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to lay flexible pavements.
5	Minimise the risk of damage to the work and surrounding area when laying flexible pavements.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when laying flexible pavements.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to lay flexible pavements to the required specification.	7.1	Demonstrate the following work skills when laying flexible pavements: – measuring, marking out, laying, spreading, rolling, compacting and finishing.
		7.2	Lay flexible pavement to given working instructions relating to: – sub-base construction – bituminous surface material.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when laying flexible pavements.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – prepare the area for laying of flexible pavement – assess the suitability of flexible pavement materials – lay, compact and finish sub-base and bituminous surface of the flexible pavement – work with plant or machinery – use hand tools, power tools and equipment.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when laying flexible pavements.
	7.7	Describe how to maintain the tools and equipment used when laying flexible pavements.

Unit M/503/9637
Pouring Concrete to Form Structures in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when pouring concrete to form structures.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information and regulations governing construction works.
2	Know how to comply with relevant legislation and official guidance when pouring concrete to form structures.	2.1	Describe their responsibilities regarding potential accidents and health hazards whilst working: in the workplace, 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.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when pouring concrete to form structures.	3.1	Use health and safety control equipment and access equipment/working platforms safely to carry out the activity in accordance with current legislation and organisational requirements when pouring concrete to form structures.
		3.2	Comply with information relating to specific risks to health when pouring concrete to form structures.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to pouring concrete to form structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to pour concrete to form structures.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – ready-mix concrete materials – slump test equipment, skips, poker vibrator, tampers, floats and trowels – hand and/or powered tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to pour concrete to form structures.
5	Minimise the risk of damage to the work and surrounding area when pouring concrete to form structures.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when pouring concrete to form 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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to pour concrete to form structures to the required specification.	7.1	Demonstrate the following work skills when pouring concrete to form structures: – measuring, positioning, placing, spreading, vibrating, compacting and finishing.
		7.2	Place, compact and finish structural concrete in horizontal and vertical formwork to given working instructions relating to two of the following placements: – chute

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– elephant's trunk – skip – pump – mono-rail.
	7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4 Safely store the materials, tools and equipment used when pouring concrete to form structures.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – assess and confirm suitability of concrete and area for placement – place concrete by chute, elephant's trunk, overhead skip, pumping – pour to correct levels and coverage of steel reinforcement – work with and around plant and machinery – support consistency testing – vibrate, compact, finish and cure the structural concrete – use hand tools, power tools and equipment – work at height – use access equipment.
	7.6 Describe the needs of other occupations and how to effectively communicate within a team when pouring concrete to form structures.
	7.7 Describe how to maintain the tools and equipment used when pouring concrete to form structures.

Unit R/503/9663
Erecting and Striking Proprietary Formwork in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when erecting and striking proprietary formwork.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules, and manufacturers' and supplier's information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, and manufacturers' and supplier's information.
2	Know how to comply with relevant legislation and official guidance when erecting and striking proprietary formwork.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when erecting and striking proprietary formwork.	3.1	Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when erecting and striking proprietary formwork.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Comply with information relating to specific risks to health when erecting and striking proprietary formwork.
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to erecting and striking proprietary formwork, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to erect and strike proprietary formwork.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – proprietary formwork and associated items – tie systems – prop systems – protective coatings – fixtures and fittings – access equipment. - hand and/or powered tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to erect and strike proprietary formwork.
5	Minimise the risk of damage to the work and surrounding area when erecting and striking proprietary formwork.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when erecting and striking proprietary formwork.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to	7.1	Demonstrate the following work skills when erecting and striking proprietary formwork:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
erect and strike proprietary formwork to the required specification.		- measuring, marking out, aligning, positioning, levelling, plumbing, securing, removing and storing.
	7.2	Erect and strike proprietary formwork to given working instructions.
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when erecting and striking proprietary formwork.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – erect and strike proprietary formwork for walls, columns, beams, soffits, channels, ground slabs and bases – attach and remove safe lifting provision – position, secure and remove prop and tie systems – apply release agents – move, clean, stack and store proprietary forms – work with plant and machinery – use hand tools, power tools and equipment – work at height - use access equipment.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when erecting and striking proprietary formwork.
	7.7	Describe how to maintain the tools and equipment used when erecting and striking proprietary formwork.

Unit H/503/9506
Placing and Finishing Non-specialist Concrete in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when placing and finishing non-specialist concrete.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing buildings.
2	Know how to comply with relevant legislation and official guidance when placing and finishing non-specialist concrete.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, 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.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when placing and finishing non-specialist concrete.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when placing and finishing non-specialist concrete.
		3.2	Comply with information relating to specific risks to health when placing and finishing non-specialist concrete.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to placing and finishing non-specialist concrete, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to place and finish non-specialist concrete.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – concrete, fabric reinforcement, timber, plywood, proprietary slab edgings and fixings hand tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to place and finish non-specialist concrete.
5	Minimise the risk of damage to the work and surrounding area when placing and finishing non-specialist concrete.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when placing and finishing non-specialist concrete.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to place and finish non-specialist concrete to the required specification.	7.1	Demonstrate the following work skills when placing and finishing non-specialist concrete: – measuring, marking out, laying, compacting, finishing, positioning and securing.
		7.2	Lay and finish concrete to given working instructions for three of the following: – concrete slabs/bases (footing, oversites or paths) – form slab edging

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– position reinforcement form surface finish (tamped, floated, brushed and trowelled).
	7.3 Safely use materials, hand tools and ancillary equipment.
	7.4 Safely store the materials, tools and equipment used when placing and finishing non-specialist concrete.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – transport, lay, compact, cure and protect concrete with tamped, floated, brushed and trowelled finishes – place fabric reinforcement – concrete mix ratios (volume and gauge boxes) – place concrete into formwork and shuttering – form slab edging – work with plant and machinery use hand tools and ancillary equipment.
	7.6 Describe the needs of other occupations and how to effectively communicate within a team when placing and finishing non-specialist concrete.
	7.7 Describe how to maintain the tools and equipment used when placing and finishing non-specialist concrete.

Unit D/503/9634
Laying Kerbs and Channels in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when laying kerbs and channels.	1.1	Interpret and extract relevant information from drawings, risk assessment, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, , manufacturers' information and regulations for laying kerbs and channels.
2	Know how to comply with relevant legislation and official guidance when laying kerbs and channels.	2.1	Describe their responsibilities regarding potential accidents and health hazards whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when laying kerbs and channels.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when laying kerbs and channels.
		3.2	Comply with information relating to specific risks to health when laying kerbs and channels.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to laying kerbs and channels, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to lay kerbs and channels.	4.1	Select resources associated with own work in relation to materials and components, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – sand, cement, aggregates, additives – kerbs and channels – hand and/or powered tools and ancillary equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to lay kerbs and channels.
5	Minimise the risk of damage to the work and surrounding area when laying kerbs and channels.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when laying kerbs and channels.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to lay kerbs and channels to the required specification.	7.1	Demonstrate the following work skills when laying kerbs and channels: – measuring, marking out, cutting, positioning, levelling, aligning, compacting and finishing.
		7.2	Lay kerbs and/or channels to given working instructions.
		7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.4 Safely store the materials, tools and equipment used when laying kerbs and channels.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify different types of kerbs or channels – set out the area and prepare ground and foundation for laying kerbs or channels – lay and align kerbs or channels to the required specifications – mark and cut kerbs and channels – monitor work against specification – use hand tools, power tools and equipment.
	7.6 Describe the needs of other occupations and how to effectively communicate within a team when laying kerbs and channels.
	7.7 Describe how to maintain the tools and equipment used when laying kerbs and channels.

Unit K/600/8087
Preparing to and Directing and Guiding Plant and Plant Operations in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the preparation for, and directing and guiding plant.	1.1	Interpret and extract information from drawings, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, manufacturers' information, method statements and regulations and guidance.
2	Organise with others the sequence and operation in which directing and guiding plant 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	State how to organise resources prior to and during directing and guiding plant.
3	Know how to comply with relevant legislation and official guidance to direct and guide plant.	3.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		3.3	State what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe working practices when preparing for, directing and guiding plant.	4.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements when directing and guiding plant.
		4.2	Explain why and when personal protective equipment (PPE) should be used, relating to directing and guiding plant, and the types, purpose and limitations of each type.
		4.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
5	Select the required quantity and quality of resources to prepare for, and when directing and guiding plant.	5.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – signalling and communication equipment – hand tools and ancillary equipment.
		5.2	Select resources associated with directing and guiding plant in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment.
		5.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		5.4	Outline potential hazards associated with the resources and method of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		5.5	Describe how to calculate weight/bearing pressure, quantity, length and area and identification of centres of gravity associated with the method/procedures to carry out the work.
6	Minimise the risk of damage to the work and surrounding area when directing and guiding plant.	6.1	Protect the work and its surrounding area from damage.
		6.2	Minimise damage and maintain a clean work space.
		6.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		6.4	Dispose of waste in accordance with legislation.
		6.5	State why the disposal of waste should be carried out safely in relation to the work.
7	Complete the work within the allocated time when preparing to, and directing and guiding plant.	7.1	Demonstrate completion of the work within the allocated time.
		7.2	State the purpose of the work programme and describe why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
8	Comply with the given contract information to prepare to, and direct and guide plant using to the required specification.	8.1	Demonstrate the following work skills when preparing to, and directing and guiding plant and operations: – setting up, checking, communicating, estimating, interpreting, directing, guiding, indicating, informing, instructing, positioning, moving, signalling and relaying.
		8.2	Prepare to, and position plant by directing and guiding the movement of plant and plant

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
		operations to given working instructions, using at least one of the following communication methods: – hand signals – hand signalling equipment – verbal/electronic communication.
	8.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – assess and determine the movement and operations of plant – direct and guide the movement and operations of plant – signal and communicate following recognised/agreed operational procedures – use hand tools and ancillary equipment.
	8.4	Safely use and store hand tools, signalling and communication equipment and ancillary equipment.
	8.5	State the needs of other occupations and how to communicate within a team when preparing to and directing and guiding plant.
	8.6	Describe how to maintain the tools and equipment used to direct and guide plant.

Unit M/600/8091
Preparing for, and Arranging and Securing Plant for Haulage in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the preparation of, and the arranging and securing of plant for haulage.	1.1	Interpret and extract information from drawings, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, manufacturers' information, method statements and regulations and guidance.
2	Know how to comply with relevant legislation and official guidance to carry out the arranging and securing of plant for haulage.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	State what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe working practices when preparing for and arranging and securing plant for haulage.	3.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements when arranging and securing plant for haulage.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Explain why and when personal protective equipment (PPE) should be used, relating to arranging and securing plant for haulage, and the types, purpose and limitations of each type.
		3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources to prepare for, and when arranging and securing plant for haulage.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – load restraint and securing accessories inc. wire rope, chain, fabric, web hooks, shackles and clamps – hand tools and ancillary equipment.
		4.2	Select resources associated with the work in relation to load restraint and securing accessories and/or ancillary equipment.
		4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		4.4	Outline potential hazards associated with the resources and method of work.
		4.5	Describe how to calculate weight/bearing pressure, quantity, length and area, and identification of centres of gravity associated with the method/procedures to carry out the work.
5	Minimise the risk of damage to the work and surrounding area when arranging and securing plant for haulage.	5.1	Protect the work and its surrounding area from damage.
		5.2	Minimise damage and maintain a clean work space.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.4	Dispose of waste in accordance with legislation.
		5.5	State why the disposal of waste should be carried out safely in relation to the work.
6	Complete the work within the allocated time when preparing to, and arranging and securing plant for haulage.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	State the purpose of the work programme and describe why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to prepare to, and arrange and secure plant for haulage to the required specification.	7.1	Demonstrate the following work skills when preparing to, and arranging and securing plant for haulage: – selecting, fitting, attaching, adjusting, setting up, checking, configuring, measuring, gauging, calculating, positioning, removing and storing.
		7.2	Prepare to, and arrange and secure plant for haulage to given working instructions, using appropriate restraining methods and restraining/securing accessories on the following types of plant. – wheeled plant – tracked plant – compacting plant.
		7.3	Remove restraining/securing accessories from plant following haulage and ready for movement from the transporter.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.4	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the plant and restraining/securing accessories – determine methods for restraining – select and use suitable restraining/securing accessories – arrange and secure plant – confirm stability, positioning and weight distribution – remove and store restraining/securing accessories on completion of haulage – work at height – use hand tools, ancillary equipment and accessories.
	7.5	Safely use and store hand tools, restraining/securing accessories and ancillary equipment.
	7.6	State the needs of other occupations and how to communicate within a team when preparing to and arranging and securing plant for haulage.
	7.7	Describe how to maintain the tools and equipment used to arrange and secure plant for haulage.

Unit D/600/8099
Preparing and Operating Specialised Powered Tools and Equipment in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the preparation and use of powered tools and/or equipment.	1.1	Interpret and extract information from drawings, specifications, risk assessments, method statements, legislation, codes of practice, operating instructions and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, risk assessments, method statements, legislation, codes of practice, manufacturers' information and instructions applicable to powered tool operations.
2	Know how to comply with relevant legislation and official guidance to prepare and use powered tools and/or equipment.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	State what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe working practices when preparing for	3.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
	and using powered tools and/or equipment.		and organisational requirements when using powered tools and/or equipment.
		3.2	Explain why and when personal protective equipment (PPE) should be used, when using powered tools and/or equipment, and the types, purpose and limitations of each type.
		3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Request and select the required quantity and quality of resources to prepare for sustain powered tools and/or equipment.	4.1	Request and select resources associated with the type of work in relation to fuel, power source, lubricants and consumables.
		4.2	Outline the organisational procedures for requisitioning consumables and other resources and why they have been developed and how they are used.
		4.3	Outline potential hazards associated with the resources and method of work and how they are overcome.
5	Minimise the risk of damage to the work and surrounding area when using powered tools and/or equipment.	5.1	Protect the work and its surrounding area from damage.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.4	Dispose of waste in accordance with legislation.
		5.5	State why the disposal of waste should be carried out safely in relation to the work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
6	Carry out-pre-use preparation inspections on powered tools and/or equipment in accordance with given procedures.	6.1	Demonstrate the following work skills when preparing for and using powered tools and/or equipment for the work: – measuring, aligning, assembling, fitting, levelling, positioning, checking, securing, connecting and adjusting.
		6.2	Prepare power unit tool(s) and/or ancillary equipment in the workplace to given working instructions.
		6.3	Use and maintain power units, tools and ancillary equipment applicable to the work.
		6.4	Describe the method of work for pre-use checks needed and the preparation required before using and operating powered tools and/or equipment.
7	Operate powered tools and/or equipment in accordance with safe working practices to achieve the working outcome.	7.1	Demonstrate the following work skills when using powered tools and/or equipment: – measuring, aligning, assembling, fitting, levelling, positioning, checking, securing, connecting and adjusting.
		7.2	Operate and monitor power unit tool(s) and associated equipment in the workplace to given working instructions relating to continual running, closing down and cleaning.
		7.3	Return powered tools and/or equipment to a safe operational condition on completion of work.
		7.4	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – prepare, position and set up for work – secure accessories and tool attachments – carry out pre-use checks to manufacturers and suppliers information/procedures – operate, use and control – monitor and maintain – close down and secure – disassemble

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
		– transport and/or secure.
	7.5	State the needs of other occupations and how to communicate within a team when preparing for and using powered tools and/or equipment.
	7.6	Disassemble power units, tools and ancillary equipment following completion of work.

Unit R/600/8102
Slinging and Signalling the Movement of Loads _Secondary Role_ in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the preparation for and the slinging and signalling of loads.	1.1	Interpret and extract information from drawings, specifications, schedules, method statements and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, method statements, manufacturers' information, approved procedures and Codes of Practice.
2	Organise with others the sequence and operation in which the slinging and signalling of loads 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	State how to organise resources prior to and when slinging and signalling of loads.
3	Know how to comply with relevant legislation and official guidance to carry out slinging and signalling of loads.	3.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, 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.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		3.3	State what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe working practices when preparing for and slinging and signalling loads.	4.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements when slinging and signalling of loads.
		4.2	Explain why and when personal protective equipment (PPE) should be used, relating to slinging and signalling of loads, and the types, purpose and limitations of each type.
		4.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
5	Select the required quantity and quality of resources to prepare for and when slinging and signalling loads.	5.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – lifting accessories – signalling and communication equipment – hand tools and ancillary equipment.
		5.2	Select resources associated with slinging/signalling in relation to hand tools, attachments, slinging equipment, lifting aids/accessories, signalling and communication equipment.
		5.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		5.4	Outline potential hazards associated with the resources and method of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		5.5	Describe how to calculate weight, bearing pressure, quantity, length and area associated with the method/procedures to carry out slinging/signalling.
6	Minimise the risk of damage to the work and surrounding area when slinging and signalling loads.	6.1	Protect the work and its surrounding area from damage.
		6.2	Minimise damage and maintain a clean work space.
		6.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		6.4	Dispose of waste in accordance with legislation.
		6.5	State why the disposal of waste should be carried out safely in relation to the work.
7	Complete the work within the allocated time when preparing to and slinging and signalling loads.	7.1	Demonstrate completion of the work within the allocated time.
		7.2	State the purpose of the work programme and describe why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the lifting operation.
8	Comply with the given contract information to prepare to and sling and signal loads for movement to the required specification.	8.1	Demonstrate the following work skills when preparing to and slinging and signalling loads: – measuring, gauging, estimating, fitting, fixing, testing, balancing, interpreting, judging, explaining, preparing, indicating, informing, instructing, signing, positioning, adjusting, configuring, moving, securing, signalling, relaying and removing.
		8.2	Prepare to and attach loads to lifting equipment, and guide loads using signals to the required destination to given working instructions using appropriate load securing methods and lifting accessories.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	8.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – confirm method of communication – determine the method of slinging – select and use suitable slinging equipment/lifting accessories – sling loads securely and balance within correct weight distribution following agreed/recognised operational procedures – position loads safely and securely – remove and store lifting accessories – use hand tools, ancillary equipment and accessories.
	8.4	Safely use and store hand tools and slinging, signalling, communication and ancillary equipment.
	8.5	State the needs of other occupations and how to communicate within a team when preparing to and slinging and signalling loads.
	8.6	Describe how to maintain the tools and equipment used to sling and signal loads.

Unit A/600/8157
Reinstating Ground Condition in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when reinstating ground condition.	1.1	Interpret and extract information from drawings, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statement.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules and manufacturers' information.
2	Know how to comply with relevant legislation and official guidance when reinstating ground condition.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	State what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe working practices when reinstating ground condition.	3.1	Use personal protective equipment (PPE) safely to carry out the activity in accordance with legislation and organisational requirements when reinstating ground condition.
		3.2	Explain why and when personal protective equipment (PPE) should be used, relating to

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
			reinstating ground condition, and the types, purpose and limitations of each type.
		3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to reinstate ground condition.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: – flags, blocks, edging, aggregates, cement, black top, top soil, seeds – hand and/or powered tools and equipment.
		4.2	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
		4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		4.4	Outline potential hazards associated with the resources and method of work.
		4.5	Describe how to calculate quantity and area associated with the method/procedure to reinstate ground condition.
5	Minimise the risk of damage to the work and surrounding area when reinstating ground condition.	5.1	Protect the work and its surrounding area from damage.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.4	Dispose of waste in accordance with legislation.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		5.5	State why the disposal of waste should be carried out in relation to the work.
6	Complete the work within the allocated time when reinstating ground condition.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to reinstate ground condition to the required specification.	7.1	Demonstrate the following work skills when reinstating ground condition: – measuring, marking out, laying, bedding, positioning, securing and finishing.
		7.2	Reinstate ground conditions to contractor's working instructions for at least two of the following: – flag – block – concrete – black top surfaces – cultivated and grassed areas.
		7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – place and compact sub-grade and sub-base – form levels – reinstate hard landscaping of flag, block, concrete and black top surfaces – reinstate cultivated and grassed areas – use hand tools, power tools and equipment.
		7.4	Safely use and store hand tools, portable power tools and ancillary equipment.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.5	State the needs of other occupations and how to communicate within a team when reinstating ground condition.
	7.6	Describe how to maintain the tools and equipment used when reinstating ground condition.

Unit D/600/8281
Erecting and Dismantling Access/Working Platforms in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when erecting and dismantling access/working platforms.	1.1	Interpret and extract information from specifications, method statements, risk assessments and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statement.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – specifications, current legislation, method statements, risk assessments and manufacturers' information.
2	Know how to comply with relevant legislation and official guidance when erecting and dismantling access/working platforms.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, at height, in confined areas, with tools and equipment, with movement/storage of materials and by manual handling.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	State what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe working practices when erecting and dismantling access/working platforms.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when erecting and dismantling access/working platforms.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Explain why, when and how personal protective equipment (PPE) should be used, relating to erecting and dismantling access/working platforms, and the types, purpose and limitations of each type.
		3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to erect and dismantle access/working platforms.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: – ladders/crawler boards – stepladders/platform steps – trestles – proprietary staging/podiums – proprietary towers – mobile scaffold towers – protection equipment and notices – tools and ancillary equipment.
		4.2	Select resources associated with own work in relation to materials, components, tools and equipment.
		4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
		4.4	Outline potential hazards associated with the resources and method of work.
		4.5	Describe how to calculate quantity of equipment required associated with the method/procedure to erect and dismantle access equipment/working platforms.
5	Minimise the risk of damage to the work and surrounding area	5.1	Protect the work and its surrounding area from damage.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
	when erecting and dismantling access/working platforms.	5.2	Minimise damage and maintain a clean work space.
		5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.4	Dispose of waste in accordance with legislation.
		5.5	State why the disposal of waste should be carried out in relation to the work.
6	Complete the work within the allocated time when erecting and dismantling access/working platforms.	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: – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to erect and dismantle access/ working platforms to the required specification.	7.1	Demonstrate the following work skills when erecting and dismantling access/working platforms: – moving, positioning/erecting, securing, checking, dismantling and removing.
		7.2	Erect, dismantle and store two of the following access equipment to given access regulations: – ladders/crawler boards – stepladders/platform steps – proprietary towers – trestle platforms – mobile scaffold towers – proprietary staging/podiums.
		7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – provide protection to the work area – establish a base for equipment

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
		– erect proprietary access equipment to manufacturer's instructions suitable for the work – erect non-proprietary access equipment suitable for the work – place protective screens and notices – check/monitor equipment during the period of use – dismantle and store access equipment – use tools and equipment – work at height.
	7.4	Safely use and store materials, hand tools and ancillary equipment.
	7.5	State the needs of other occupations and how to communicate within a team when erecting and dismantling access/working platforms.
	7.6	Describe how to maintain the tools and equipment used when erecting and dismantling access/working platforms.

Unit M/503/9623
Installing Street Ironwork in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when installing street ironwork.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information and regulations for street ironwork fixtures.
2	Know how to comply with relevant legislation and official guidance when installing street ironwork.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when installing street ironwork.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when installing street ironwork.
		3.2	Comply with information relating to specific risks to health when installing street ironwork.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to installing street ironwork, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to install street ironwork.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – sand, cement, mortar, patent epoxy resin-based materials – access covers and frames, gully grates and frames – hand and/or powered tools and equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.6	Describe how to calculate quantity and size associated with the method/procedure to install street ironwork.
5	Minimise the risk of damage to the work and surrounding area when installing street ironwork.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when installing street ironwork.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install street ironwork to the required specification.	7.1	Demonstrate the following work skills when installing street ironwork: – measuring, marking out, positioning, fitting, levelling, aligning and securing.
		7.2	Install street ironwork to new and/or reinstatement situations to given working instructions relating to the following: – access covers and frames – gully grates and frames.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when installing street ironwork.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – locate the area/position where the street ironwork is to be installed – confirm the street ironwork, fixing and bedding requirements – position, fit, align and secure the street ironwork – protect ironwork during curing – use hand tools, power tools and equipment – use ancillary equipment.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when installing street ironwork.
	7.7	Describe how to maintain the tools and equipment used when installing street ironwork.

Unit K/503/9636
Providing Temporary Excavation Support in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the work and resources when providing temporary excavation support.	1.1	Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information and regulations governing construction works and support of excavations.
2	Know how to comply with relevant legislation and official guidance when providing temporary excavation support.	2.1	Describe their responsibilities regarding potential accidents and health hazards, whilst working: – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
		2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when providing temporary excavation support.	3.1	Use health and safety control equipment and access equipment/working platforms safely to carry out the activity in accordance with current legislation and organisational requirements when providing temporary excavation support.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		3.2	Comply with information relating to specific risks to health when providing temporary excavation support.
		3.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to providing temporary excavation support, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
		3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
		3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4	Select the required quantity and quality of resources for the methods of work to provide temporary excavation support.	4.1	Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
		4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – poling boards, walings, struts, wedges, soldiers, steel struts and trench sheets – proprietary systems – ancillary fixing devices – hand and/or powered tools and ancillary equipment.
		4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.5	Describe any potential hazards associated with the resources and methods of work.
		4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to provide temporary excavation support.
5	Minimise the risk of damage to the work and surrounding area when providing temporary excavation support.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when providing temporary excavation support.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to	7.1	Demonstrate the following work skills when providing temporary excavation support:

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
provide temporary excavation support to the required specification.		– measuring, marking out, preparing, positioning, fitting, supporting, fixing, securing, dismantling and removing.
	7.2	Provide and remove temporary excavation support to given working instructions, relating to two of the following support frameworks: – skeleton – open and close boarding – drag box – trench box – coffer dam – diaphragm wall – secant support.
	7.3	Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4	Safely store the materials, tools and equipment used when providing temporary excavation support.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – assess the excavated area and select suitable temporary support for the excavation – provide for safe access and egress around the temporary excavation support – construct/erect/install temporary excavation support – work with and around plant and machinery – inspect and maintain the integrity and safety of the temporary support structure – dismantle and remove the excavation support structure – use hand tools, power tools and equipment – work at height and in confined spaces – use access equipment.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when providing temporary excavation support.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	7.7	Describe how to maintain the tools and equipment used when providing temporary excavation support.

Unit A/600/7977
Preparing and Operating Forward Tipping Dumpers to Receive, Transport and Discharge Materials in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the use of forward tipping dumpers to carry out transporting and discharging operations.	1.1	Interpret and extract information from drawings, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, manufacturers' information, method statements and regulations and guidance applicable to transporting and discharging operations.
2	Organise with others the sequence and operation in which transporting and discharging operations using forward tipping dumpers 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	State how to organise resources prior to and during transporting and discharging operations using forward tipping dumpers.
3	Know how to comply with relevant legislation and official guidance to carry out transporting and discharging operations with forward tipping dumpers.	3.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances,

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
			with movement/storage of materials and by manual handling and mechanical lifting.
		3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		3.3	State what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe working practices when preparing for and carrying out transporting and discharging operations using forward tipping dumpers.	4.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during transporting and discharging operations.
		4.2	Explain why and when personal protective equipment (PPE) should be used, relating to transporting and discharging operations, and the types, purpose and limitations of each type.
		4.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
5	Request and select the required quantity and quality of resources to prepare for and carry out transporting and discharging operations using forward tipping dumpers.	5.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments, transporting and discharging aids – hand tools, ancillary equipment and/or accessories.
		5.2	Request and select resources associated with forward tipping dumpers in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment.
		5.3	State how the resources should be used correctly, how problems associated with the

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
			resources are reported and how the organisational procedures are used.
		5.4	Outline potential hazards associated with the resources and method of work.
		5.5	Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out transporting and discharging operations using forward tipping dumpers.
6	Minimise the risk of damage to the work and surrounding area when transporting and discharging materials using forward tipping dumpers.	6.1	Protect the work and its surrounding area from damage.
		6.2	Minimise damage and maintain a clean work space.
		6.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		6.4	Dispose of waste in accordance with legislation.
		6.5	State why the disposal of waste should be carried out safely in relation to the work.
7	Complete the work within the allocated time when preparing to and transporting and discharging materials using forward tipping dumpers.	7.1	Demonstrate completion of the work within the allocated time.
		7.2	Shut down and secure forward tipping dumpers.
		7.3	State the purpose of the work programme and describe why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
8	Comply with the given contract information to receive, transport and discharge materials using forward tipping dumpers to the required specification.	8.1	Demonstrate the following work skills when preparing for and transporting and discharging loose materials using forward tipping dumpers: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating, operating, manoeuvring, positioning, receiving, transporting and depositing.
		8.2	Prepare, position, set up and operate forward tipping dumpers to receive, transport and discharge loads to given working instructions.
		8.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the forward tipping dumper used for transporting and discharging work – carry out performance checks – prepare, set up and adjust for operational requirements – complete functional checks – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – identify the area for discharging – check to avoid damage to structures and utilities service apparatus – receive, transport and discharge materials safely and securely – shut down and secure forward tipping dumper – use hand tools, ancillary equipment and accessories.
		8.4	Safely use and store hand tools and ancillary equipment.
		8.5	State the needs of other occupations and how to communicate within a team when preparing to and carrying out transporting and discharging operations.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
	8.6	Describe how to maintain the plant, tools and equipment used to transport and discharge materials.

Unit K/600/8073
Preparing and Operating Ride-on Rollers to Compact Materials in the Workplace

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
1	Interpret the given information relating to the use of ride-on rollers to carry out compacting operations.	1.1	Interpret and extract information from drawings, specifications, schedules and manufacturers' information.
		1.2	Comply with information and/or instructions derived from risk assessments and method statements.
		1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
		1.4	Describe different types of information, their source and how they are interpreted in relation to: – drawings, specifications, schedules, manufacturers' information, method statements and regulations and guidance applicable to compacting operations.
2	Organise with others the sequence and operation in which compacting operations using ride-on rollers 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	State how to organise resources prior to and during compacting operations using ride-on rollers.
3	Know how to comply with relevant legislation and official guidance to carry out compacting operations with ride-on rollers.	3.1	Describe their responsibilities under current legislation and official guidance whilst working: – in the workplace, below ground level, at height, in confined spaces, with tools and equipment, with materials and substances, with

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
			movement/storage of materials and by manual handling and mechanical lifting.
		3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
		3.3	State what the accident reporting procedures are and who is responsible for making reports.
4	Maintain safe working practices when preparing for and carrying out compacting operations using ride-on rollers.	4.1	Use personal protective equipment (PPE) to safely carry out the activity in accordance with legislation and organisational requirements during compacting operations.
		4.2	Explain why and when personal protective equipment (PPE) should be used, relating to compacting operations, and the types, purpose and limitations of each type.
		4.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
5	Request and select the required quantity and quality of resources to prepare for and carry out compacting operations using ride-on rollers.	5.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources, and how they should be used correctly, relating to: – consumables, lubricants and fuels – attachments and compacting operational aids – hand tools, ancillary equipment and/or accessories.
		5.2	Request and select resources associated with ride-on rollers in relation to consumables, materials, attachments, tools, accessories and/or ancillary equipment.
		5.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.

Learning Outcome - The learner will:		Assessment Criterion - The learner can:	
		5.4	Outline potential hazards associated with the resources and method of work.
		5.5	Describe how to calculate quantity, weight, length and area associated with the method/procedures to carry out compacting operations using ride-on rollers.
6	Minimise the risk of damage to the work and surrounding area when compacting materials using ride-on rollers.	6.1	Protect the work and its surrounding area from damage.
		6.2	Minimise damage and maintain a clean work space.
		6.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		6.4	Dispose of waste in accordance with legislation.
		6.5	State why the disposal of waste should be carried out safely in relation to the work.
7	Complete the work within the allocated time when preparing to and compacting materials using ride-on rollers.	7.1	Demonstrate completion of the work within the allocated time.
		7.2	Shut down and secure ride-on rollers.
		7.3	State the purpose of the work programme and describe why deadlines should be kept in relation to: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
8	Comply with the given contract information to compact materials using ride-on rollers to the required specification.	8.1	Demonstrate the following work skills when preparing for and compacting materials using ride-on rollers: – fitting, attaching, setting up, securing, adjusting, checking, removing, communicating,

Learning Outcome - The learner will:	Assessment Criterion - The learner can:	
		operating, manoeuvring, positioning and compacting.
	8.2	Prepare, position, set up and operate ride-on rollers to compact a variety of materials, in various locations, to given working instructions.
	8.3	Describe how to apply safe work practices, follow procedures, report problems and establish authority needed to rectify, to: – identify the characteristics of the ride-on roller used for compacting work – carry out performance checks – prepare, set up and adjust for operational requirements – complete functional checks – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – identify the area for compacting – check to avoid damage to structures and utilities service apparatus – compact materials safely and securely – shut down and secure ride-on roller – use hand tools, ancillary equipment and accessories.
	8.4	Safely use and store hand tools and ancillary equipment.
	8.5	State the needs of other occupations and how to communicate within a team when preparing to and carrying out compacting operations.
	8.6	Describe how to maintain the plant, tools and equipment used to compact materials.

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