

BTEC Level 2 Technical Diploma in **COUNTRYSIDE STUDIES**



**Comparing
unit content**

BTEC Level 2 Technical Diploma in Countryside Studies
BTEC First in Countryside and Environment (QCF – 2010)

Introduction to BTEC Level 2 Technical Diploma in Countryside Studies

This document maps the content of the new BTEC Level 2 Tech Diploma in Countryside Studies (RQF), shown in the left-hand column, against the content of the current BTEC First in Countryside and Environment (QCF – 2010) in the right-hand column.

This mapping will help you transition from one specification to the other by highlighting where there are changes in content, particularly where there is new content which will need to be delivered to help your learners prepare for the new assessment.

In order to make the table easy to use and to demonstrate new content we have used a ‘traffic lights’ colour scheme as follows:

GREEN - covered. In this case the content in the Level 2 Technical is very close indeed to the existing BTEC First in Countryside and Environment (QCF – 2010). In the right-hand column, the title of the relevant unit and learning outcome (LO) is identified.

YELLOW - partially covered. In this case the content is partially covered, perhaps in learning outcomes in more than one unit from the BTEC First in Countryside and Environment (QCF – 2010). Where there is some additional knowledge, this is stated in the left-hand column under the heading **NEW CONTENT**

RED - not covered. In this case the content in the BTEC L2 Technical is new. It will appear in the left-hand column so you can see immediately what you will need to teach.

Purpose of the qualification:

This qualification, which is 360 GLH, is for you if you want to start a career in agriculture. It is designed for post-16 students and can be taken as part of a wider study programme. It is an ideal qualification if you are intending to progress directly to employment within agriculture, or to an agriculture apprenticeship.

This qualification has been developed in consultation with employers in the countryside sector. This means that it will enable you to learn the skills and behaviours that will give you the best opportunity to be successful when applying for work.

There are five mandatory units plus you will choose two from three optional units that relate directly to the skills, knowledge and behaviours expected by employers in the countryside sector.

The areas you cover include:

- Unit 1: Introduction to Working in Land-based Industries
- Unit 2: Introduction to Plant and Soil Science
- Unit 3: Countryside Work Placement
- Unit 4: Habitat Maintenance
- Unit 8: Countryside Estate Maintenance.

You will be required to choose two from three optional units:

- Unit 5: Countryside Access and Recreation
- Unit 6: Introduction to Game Management
- Unit 7: Land-based Machinery Operations.

You will also enhance your broader skills in literacy and numeracy, which will help you to progress. You will develop other transferable technical and practical skills in communication (working with colleagues, customers and clients), and research and project work (giving you with an opportunity to demonstrate your reflective practice by suggesting alternative approaches to a problem).

| Pearson BTEC Level 2 Technical Diploma in Countryside Studies | | | | |
|--|--|------------|-------------|---------------------|
| Unit number | Unit title | GLH | Type | How assessed |
| 1 | Introduction to Working in Land-based Industries | 60 | Mandatory | Internal |
| 2 | Introduction to Plant and Soil Science | 60 | Mandatory | Internal |
| 3 | Countryside Work Placement | 60 | Mandatory | Internal |
| 4 | Habitat Maintenance | 60 | Mandatory | Internal |
| 5 | Countryside Access and Recreation | 30 | Mandatory | Internal |
| 6 | Introduction to Game Management | 30 | Mandatory | Internal |
| 7 | Land-based Machinery Operations | 30 | Mandatory | Internal |
| 8 | Countryside Estate Maintenance | 60 | Mandatory | Internal Synoptic |

**BTEC Level 2 Technical
Diploma in Countryside
Studies****BTEC First in Countryside and
Environment (QCF – 2010)****Unit 1 – Introduction to Working in Land-based Industries****Learning Aims**

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| A Investigate working in the land-based sector | |
| B Carry out safe working in the land-based sector | |
| C Demonstrate responsible environmental working practices | |

Unit Content**Knowledge and sector skills****Learning aim A** Investigate working in the land-based sector**A1 Land use**

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| Unit 4: Undertake Work Related Experience in the Land based Industries LO1 Know the range and scope of job roles within an environmental and land-based industry | Unit 6: Environmental and Land based Business LO1 Know an industry within the environmental and land-based sector LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector LO3 Know common business operations |
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| A2 Diversification in land-based industries | <p>Unit 2: Environmental and Land based Business</p> <p>LO1 Know an industry within the environmental and land-based sector</p> <p>LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> <p>LO3 Know common business operations</p> |
| A3 Key job roles by industry | <p>Unit 1: Undertake Work Related Experience in the Land based Industries</p> <p>LO1 Know the range and scope of job roles within an environmental and land-based industry</p> <p>Unit 6: Environmental and Land based Business</p> <p>LO1 Know an industry within the environmental and land-based sector</p> <p>LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> <p>LO3 Know common business operations</p> |

Learning aim B Carry out safe working in the land-based sector

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| B1 Fundamentals of working safely | <p>Unit 2: Environmental and Land based Business</p> <p>LO1 Know an industry within the environmental and land-based sector</p> <p>LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> |
| B2 Working Safely | <p>Unit 2: Environmental and Land based Business</p> <p>LO1 Know an industry within the environmental and land-based sector</p> <p>LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> <p>LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 5: Participate in Providing Estate Maintenance</p> <p>LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance</p> <p>LO3 Be able to maintain the health of plants outdoors</p> |

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| | <p>Unit 17: Introduction to Land-based Machinery Operations</p> <p>LO1 Understand safe working principles when using equipment and machinery</p> |
| <p>Learning aim C Demonstrate responsible environmental working practices</p> | |
| C1 Waste Management | <p>Unit 5: Participate in Providing Estate Maintenance</p> <p>LO2 Be able to maintain estate boundaries</p> <p>LO3 Be able to maintain surfaces or habitats</p> <p>LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 6: Conservation and Improvement of British Habitats</p> <p>LO4 Be able to improve a habitat.</p> <p>Unit 12: Introduction to Urban Habitat Ecology</p> <p>LO2 Know the ecological characteristics of urban habitats</p> <p>Unit 14: Introduction to Practical Forestry Skills</p> <p>LO4 Understand environmental and waste management issues associated with woodland operations.</p> <p>Unit 17: Introduction to Land-based Machinery Operations</p> <p>LO4 Be able to maintain land-based equipment and machinery</p> |
| C2 Sustainability | <p>Unit 5: Participate in Providing Estate Maintenance</p> <p>LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 11: Introduction to Countryside Access and Recreation</p> <p>LO4 Be able to promote responsible use of the environment.</p> |

C3 Environmental responsibilities**Unit 4: Introduction to Environmental Studies**

LO1 Be able to collect data from ecosystem components

LO2 Know factors that affect microclimates

LO3 Understand components of ecosystems

LO4 Understand the relationship between water and the hydrological cycle

Unit 5: Participate in Providing Estate Maintenance

LO4 Know how to work safely and minimise environmental damage.

Unit 6: Conservation and Improvement of British Habitats

LO4 Be able to improve a habitat.

Unit 7: Introduction to Agriculture and Conservation

LO1 Know changes in agricultural practices and the effects on habitat and wildlife

LO2 Know support available to landowners for adopting environmentally friendly practices

LO3 Know wildlife conservation strategies

LO4 Be able to recommend wildlife conservation strategies.

Unit 11: Introduction to Countryside Access and Recreation

LO1 Know opportunities for countryside recreation

LO2 Know effects of access and recreation

LO3 Understand the importance of countryside access and recreation

LO4 Be able to promote responsible use of the environment.

Unit 2 – Introduction to Plant and Soil Science**Learning Aims**

A Investigate plant structure, growth and development

B Investigate plant life cycles and adaptations to the environment

C Investigate soil characteristics and efforts on plant health

Unit Content**Knowledge and sector skills**

Learning aim A Investigate plant structure, growth and development

A1 Plant structure**Unit 20: Understand the Basic Principles of Plant Science**

LO1 Know the physical structure of plants
LO2 Understand the development and physiology of plants

Unit 3: Introduction to Animal and Plant Husbandry

LO3 Understand the annual production cycles of locally important crops
LO4 Know the requirements for maintaining the healthy growth of locally important crops.

A2 Plant processes**Unit 3: Introduction to Animal and Plant Husbandry**

LO3 Understand the annual production cycles of locally important crops
LO4 Know the requirements for maintaining the healthy growth of locally important crops.

B Investigate plant life cycles and adaptations to the environment**B1** Plant growth and development**Unit 3: Introduction to Animal and Plant Husbandry****LO3** Understand the annual production cycles of locally important crops**LO4** Know the requirements for maintaining the healthy growth of locally important crops.**B2** Plant adaptations and modifications**Unit 3: Introduction to Animal and Plant Husbandry****LO3** Understand the annual production cycles of locally important crops**LO4** Know the requirements for maintaining the healthy growth of locally important crops.

C Investigate soil characteristics and efforts on plant health

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| C1 Soil characteristics | Unit 20: Understand the Basic Principles of Soil Science LO1 Be able to assess the physical and chemical characteristics of soils LO2 Understand the physical properties of soils LO3 Understand the chemical properties of soils and fertilisers. |
| C2 Soil textures and structure of cells | Unit 20: Understand the Basic Principles of Soil Science LO1 Be able to assess the physical and chemical characteristics of soils LO2 Understand the physical properties of soils LO3 Understand the chemical properties of soils and fertilisers. |
| C3 Soil water, PH and nutrients | Unit 20: Understand the Basic Principles of Soil Science LO1 Be able to assess the physical and chemical characteristics of soils LO2 Understand the physical properties of soils LO3 Understand the chemical properties of soils and fertilisers. |
| C4 Soil care | Unit 20: Understand the Basic Principles of Soil Science LO1 Be able to assess the physical and chemical characteristics of soils LO2 Understand the physical properties of soils LO3 Understand the chemical properties of soils and fertilisers. |

Unit 3 – Countryside Work Placement**Learning Aims**

A Investigate and apply for a countryside work placement

B Demonstrate work skills relevant to a countryside work placement

C Review own countryside work placement.

Unit Content**Knowledge and sector skills**

Learning aim A Investigate and apply for a countryside work placement

A1 Investigating a work placement

Unit 1 Undertake work related experience in the land-based industries
LO1 know the range & scope of job roles within an environmental & land-based industry

A2 Applying for a work placement

Unit 1 undertake work related experience in the land-based industries
LO2 be able to use relevant documents & skills relating to work experience

Learning aim B Demonstrate work skills relevant to a countryside work placement

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| B1 Professional behaviours | Unit 1 undertake work related experience in the land-based industries LO3 be able to plan & review self-development during work experience |
| B2 Communication skills | Unit 1 undertake work related experience in the land-based industries LO3 be able to plan & review self-development during work experience |
| B3 Safe working around the estate | <p>Unit 2: Environmental and Land based Business LO1 Know an industry within the environmental and land-based sector LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 5: Participate in Providing Estate Maintenance LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance LO2 Be able to maintain estate boundaries LO3 Be able to maintain surfaces or habitats LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 17: Introduction to Land-based Machinery Operations LO1 Understand safe working principles when using equipment and machinery</p> <p>Unit 23: Undertake Tree Felling Operations LO2 Be able to comply with legislation and codes of practice relevant to tree felling operations</p> <p>24 Unit 24: Undertake Tree Climbing and Pruning Operations LO3 Be able to comply with legislation and best practice relevant to tree pruning operations.</p> <p>Unit 25: Carry Out Ground-based Arboricultural Operations LO1 Be able to carry out maintenance on a range of powered equipment and hand tools 2 Be able to set out the job site</p> |

Learning aim C Review own countryside work placement

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| C1 Review work placement | Unit 1 undertake work related experience in the land-based industries LO4 be able to report on the work experience |
| C2 Self-development and areas for improvement | Unit 1 undertake work related experience in the land-based industries LO3 be able to plan & review self-development during work experience |

Unit 4 – Unit 4: Habitat Maintenance**Learning Aims****A** Understand habitat maintenance for the purpose of countryside management**B** Plan tasks for the purpose of habitat maintenance**C** Undertake practical tasks to maintain habitats**Unit Content****Knowledge and sector skills****A** Understand habitat maintenance for the purpose of countryside management**A1** Types of habitat and their key characteristics**Unit 6: Conservation and Improvement of British Habitats**

LO1 Know types of habitat found in the British Isles
LO2 Know factors that affect wildlife in the British Isles
LO3 Be able to collect and present information concerning flora and fauna
LO4 Be able to improve a habitat.

Unit 7: Introduction to Agriculture and Conservation

LO1 Know changes in agricultural practices and the effects on habitat and wildlife
LO2 Know support available to landowners for adopting environmentally friendly practices
LO3 Know wildlife conservation strategies
LO4 Be able to recommend wildlife conservation strategies.

Unit 15: Introduction to Game Management

LO4 Know game habitats and their key features

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| A2 Reasons for habitat maintenance | <p>Unit 6: Conservation and Improvement of British Habitats</p> <p>LO1 Know types of habitat found in the British Isles</p> <p>LO2 Know factors that affect wildlife in the British Isles</p> <p>LO3 Be able to collect and present information concerning flora and fauna</p> <p>LO4 Be able to improve a habitat.</p> <p>Unit 7: Introduction to Agriculture and Conservation</p> <p>LO1 Know changes in agricultural practices and the effects on habitat and wildlife</p> <p>LO2 Know support available to landowners for adopting environmentally friendly practices</p> <p>LO3 Know wildlife conservation strategies</p> <p>LO4 Be able to recommend wildlife conservation strategies.</p> <p>Unit 10: Undertaking Ecological Surveys and Techniques</p> <p>LO1 Be able to plan surveys using safe working methods and appropriate techniques</p> <p>LO2 Know how to identify terrestrial and aquatic species using identification keys</p> <p>LO3 Be able to carry out surveys and accurately record data in different situations and habitats</p> <p>LO4 Understand the use of basic statistical analysis in the production of reports.</p> |
| A3 The scope and purpose of habitat-maintenance tasks | <p>Unit 6: Conservation and Improvement of British Habitats</p> <p>LO1 Know types of habitat found in the British Isles</p> <p>LO2 Know factors that affect wildlife in the British Isles</p> <p>LO3 Be able to collect and present information concerning flora and fauna</p> <p>LO4 Be able to improve a habitat.</p> <p>Unit 7: Introduction to Agriculture and Conservation</p> <p>LO1 Know changes in agricultural practices and the effects on habitat and wildlife</p> <p>LO2 Know support available to landowners for adopting environmentally friendly practices</p> <p>LO3 Know wildlife conservation strategies</p> <p>LO4 Be able to recommend wildlife conservation strategies.</p> |

B Plan tasks for the purpose of habitat maintenance**B1** Using habitat survey findings to plan tasks**Unit 6: Conservation and Improvement of British Habitats**

- LO1** Know types of habitat found in the British Isles
- LO2** Know factors that affect wildlife in the British Isles
- LO3** Be able to collect and present information concerning flora and fauna
- LO4** Be able to improve a habitat.

Unit 7: Introduction to Agriculture and Conservation

- LO1** Know changes in agricultural practices and the effects on habitat and wildlife
- LO2** Know support available to landowners for adopting environmentally friendly practices
- LO3** Know wildlife conservation strategies
- LO4** Be able to recommend wildlife conservation strategies.

Unit 10: Undertaking Ecological Surveys and Techniques

- LO1** Be able to plan surveys using safe working methods and appropriate techniques
- LO2** Know how to identify terrestrial and aquatic species using identification keys
- LO3** Be able to carry out surveys and accurately record data in different situations and habitats
- LO4** Understand the use of basic statistical analysis in the production of reports.

Unit 12: Introduction to Urban Habitat Ecology

- LO1** Understand the influences that shape urban habitat formation
- LO2** Know the ecological characteristics of urban habitats
- LO3** Understand the source and effect of pollution on urban habitats
- LO4** Be able to undertake an ecological survey

B2 Tools, materials and equipment for habitat maintenance

Unit 5: Participate in Providing Estate Maintenance

LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance

LO2 Be able to maintain estate boundaries

LO3 Be able to maintain surfaces or habitats

LO4 Know how to work safely and minimise environmental damage.

Unit 6: Conservation and Improvement of British Habitats

LO1 Know types of habitat found in the British Isles

LO2 Know factors that affect wildlife in the British Isles

LO3 Be able to collect and present information concerning flora and fauna

LO4 Be able to improve a habitat.

Unit 7: Introduction to Agriculture and Conservation

LO1 Know changes in agricultural practices and the effects on habitat and wildlife

LO2 Know support available to landowners for adopting environmentally friendly practices

LO3 Know wildlife conservation strategies

LO4 Be able to recommend wildlife conservation strategies.

Unit 11: Introduction to Countryside Access and Recreation

LO1 Know opportunities for countryside recreation

LO2 Know effects of access and recreation

LO3 Understand the importance of countryside access and recreation

LO4 Be able to promote responsible use of the environment.

C Undertake practical tasks to maintain habitats**C1** Working safely**Unit 5: Participate in Providing Estate Maintenance**

LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance
LO2 Be able to maintain estate boundaries
LO3 Be able to maintain surfaces or habitats
LO4 Know how to work safely and minimise environmental damage.

Unit 6: Conservation and Improvement of British Habitats

LO4 Be able to improve a habitat.

Unit 11: Introduction to Countryside Access and Recreation

LO4 Be able to promote responsible use of the environment.

Unit 19: Tractor Driving

LO1 Know key components and operator controls on a tractor
LO2 Know the relevant legislation and codes of practice for tractor driving
LO3 Be able to carry out simple maintenance tasks and settings to a tractor
LO4 Be able to operate a tractor and attachments.

C2 Carrying out habitat-maintenance tasks**Unit 5: Participate in Providing Estate Maintenance**

LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance
LO2 Be able to maintain estate boundaries
LO3 Be able to maintain surfaces or habitats
LO4 Know how to work safely and minimise environmental damage.

Unit 6: Conservation and Improvement of British Habitats

LO4 Be able to improve a habitat.

Unit 19: Tractor Driving

LO1 Know key components and operator controls on a tractor

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| | <p>LO2 Know the relevant legislation and codes of practice for tractor driving LO3 Be able to carry out simple maintenance tasks and settings to a tractor LO4 Be able to operate a tractor and attachments.</p> |
| C2 Reviewing habitat maintenance tasks | <p>Unit 6: Conservation and Improvement of British Habitats LO4 Be able to improve a habitat.</p> <p>Unit 7: Introduction to Agriculture and Conservation LO4 Be able to recommend wildlife conservation strategies.</p> |

Unit 5 – Countryside Access and Recreation

Learning Aims

- A** Explore countryside recreation and its impacts
- B** Explore how the countryside can be promoted and protected
- C** Carry out countryside access planning for a countryside visit

Unit Content

Knowledge and sector skills

Learning aim A Explore countryside recreation and its impacts

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| A1 Reasons why people visit the countryside | Unit 11: Introduction to Countryside Access and Recreation LO1 Know opportunities for countryside recreation LO2 Know effects of access and recreation LO3 Understand the importance of countryside access and recreation LO4 Be able to promote responsible use of the environment |
| A2 Factors responsible for increased use of the countryside | Unit 11: Introduction to Countryside Access and Recreation LO1 Know opportunities for countryside recreation LO2 Know effects of access and recreation LO3 Understand the importance of countryside access and recreation LO4 Be able to promote responsible use of the environment |
| A3 Impacts of countryside access and recreation | Unit 11: Introduction to Countryside Access and Recreation LO1 Know opportunities for countryside recreation LO2 Know effects of access and recreation LO3 Understand the importance of countryside access and recreation LO4 Be able to promote responsible use of the environment |

Learning aim B Explore how the countryside can be promoted and protected

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| B1 Types of countryside sites and activities that may be offered | Unit 11: Introduction to Countryside Access and Recreation LO1 Know opportunities for countryside recreation LO2 Know effects of access and recreation LO3 Understand the importance of countryside access and recreation LO4 Be able to promote responsible use of the environment |
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Covered

Partially covered

Not covered

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| B2 How legislation can protect the countryside | <p>Unit 11: Introduction to Countryside Access and Recreation</p> <p>LO1 Know opportunities for countryside recreation</p> <p>LO2 Know effects of access and recreation</p> <p>LO3 Understand the importance of countryside access and recreation</p> <p>LO4 Be able to promote responsible use of the environment</p> <p>Unit 2: Environmental and Land based Business</p> <p>LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> |
| B3 How organisations can promote the countryside | <p>Unit 11: Introduction to Countryside Access and Recreation</p> <p>LO1 Know opportunities for countryside recreation</p> <p>LO2 Know effects of access and recreation</p> <p>LO3 Understand the importance of countryside access and recreation</p> <p>LO4 Be able to promote responsible use of the environment</p> |
| Learning aim C Carry out countryside access planning for a countryside visit | <p>C1 Visiting, researching and surveying a countryside site</p> <p>Unit 6: Conservation and Improvement of British Habitats</p> <p>LO1 Know types of habitat found in the British Isles</p> <p>LO2 Know factors that affect wildlife in the British Isles</p> <p>LO3 Be able to collect and present information concerning flora and fauna</p> <p>LO4 Be able to improve a habitat.</p> <p>Unit 7: Introduction to Agriculture and Conservation</p> <p>LO1 Know changes in agricultural practices and the effects on habitat and wildlife</p> <p>LO2 Know support available to landowners for adopting environmentally friendly practices</p> <p>LO3 Know wildlife conservation strategies</p> <p>LO4 Be able to recommend wildlife conservation strategies.</p> <p>Unit 10: Undertaking Ecological Surveys and Techniques</p> <p>LO1 Be able to plan surveys using safe working methods and appropriate techniques</p> <p>LO2 Know how to identify terrestrial and aquatic species using identification keys</p> |

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| | <p>LO3 Be able to carry out surveys and accurately record data in different situations and habitats</p> <p>LO4 Understand the use of basic statistical analysis in the production of reports.</p> <p>Unit 11: Introduction to Countryside Access and Recreation</p> <p>LO1 Know opportunities for countryside recreation</p> <p>LO2 Know effects of access and recreation</p> <p>LO3 Understand the importance of countryside access and recreation</p> <p>LO4 Be able to promote responsible use of the environment</p> <p>Unit 12: Introduction to Urban Habitat Ecology</p> <p>LO1 Understand the influences that shape urban habitat formation</p> <p>LO2 Know the ecological characteristics of urban habitats</p> <p>LO3 Understand the source and effect of pollution on urban habitats</p> <p>LO4 Be able to undertake an ecological survey</p> |
| <p>C2 Reviewing ways to limit negative impacts of visitors</p> | <p>Unit 11: Introduction to Countryside Access and Recreation</p> <p>LO1 Know opportunities for countryside recreation</p> <p>LO2 Know effects of access and recreation</p> <p>LO3 Understand the importance of countryside access and recreation</p> <p>LO4 Be able to promote responsible use of the environment</p> |
| <p>C3 Producing a plan and itinerary for a selected countryside site visit</p> | <p>Unit 11: Introduction to Countryside Access and Recreation</p> <p>LO1 Know opportunities for countryside recreation</p> <p>LO2 Know effects of access and recreation</p> <p>LO3 Understand the importance of countryside access and recreation</p> <p>LO4 Be able to promote responsible use of the environment</p> |

Unit 6 – Introduction to Game Management**Learning Aims****A** Investigate game species in the UK**B** Explore the role of a game manager**C** Carry out game-management tasks**Unit Content****Knowledge and sector skills****Learning aim A** Investigate game species in the UK**A1** Identification of UK game species

Unit 15: Introduction to Game Management
LO1 Know the role of game/deer management
LO2 Be able to carry out gamekeeping tasks
LO3 Know game species in the UK
LO4 Know game habitats and their key features.

Unit 16: Introductory Deer Management
LO1 Know deer species in the UK
LO2 Know the signs of typical deer damage
LO3 Be able to carry out legal management operations.

A2 Basic ecology of game species

Unit 15: Introduction to Game Management
LO1 Know the role of game/deer management
LO2 Be able to carry out gamekeeping tasks
LO3 Know game species in the UK
LO4 Know game habitats and their key features.

Learning aim B Explore the role of a game manager**B1 Sporting****Unit 15: Introduction to Game Management**

- LO1 Know the role of game/deer management
- LO2 Be able to carry out gamekeeping tasks
- LO3 Know game species in the UK
- LO4 Know game habitats and their key features.

B2 Habitat management**Unit 5: Participate in Providing Estate Maintenance**

- LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance
- LO2 Be able to maintain estate boundaries
- LO3 Be able to maintain surfaces or habitats
- LO4 Know how to work safely and minimise environmental damage.

Unit 6: Conservation and Improvement of British Habitats

- LO4 Be able to improve a habitat.

Unit 15: Introduction to Game Management

- LO1 Know the role of game/deer management
- LO2 Be able to carry out gamekeeping tasks
- LO3 Know game species in the UK
- LO4 Know game habitats and their key features.

B3 Pest and predator control**Unit 15: Introduction to Game Management**

- LO1 Know the role of game/deer management
- LO2 Be able to carry out gamekeeping tasks
- LO3 Know game species in the UK
- LO4 Know game habitats and their key features.

Learning aim C Carry out game-management tasks**C1 Risk assessments****Unit 5: Participate in Providing Estate Maintenance**

- LO4 Know how to work safely and minimise environmental damage

Unit 15: Introduction to Game Management

- LO1 Know the role of game/deer management

Covered

Partially covered

Not covered

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| | <p>LO2 Be able to carry out gamekeeping tasks LO3 Know game species in the UK LO4 Know game habitats and their key features.</p> |
| C2 Apply practical skills | <p>Unit 15: Introduction to Game Management LO1 Know the role of game/deer management LO2 Be able to carry out gamekeeping tasks LO3 Know game species in the UK LO4 Know game habitats and their key features.</p> <p>Unit 5: Participate in Providing Estate Maintenance LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance LO2 Be able to maintain estate boundaries LO3 Be able to maintain surfaces or habitats LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 6: Conservation and Improvement of British Habitats LO4 Be able to improve a habitat.</p> |

Unit 7 –: Land-based Machinery Operations

Learning Aims

- A** Explore machinery that can be used for land-based activities, their purpose and operation
- B** Prepare and maintain machines for land-based activities
- C** Carry out safe and responsible machine operation for routine land-based activities

Unit Content

Knowledge and sector skills

Learning aim A Explore machinery that can be used for land-based activities, their purpose and operation

A1 Land-based machinery

Unit 8: Introduction to Land-based Workshop Practice

- LO1** Be able to safely use commonly found hand and power tools for the maintenance and repair of land-based machinery and installations
- LO2** Be able to safely use basic welding and cutting equipment
- LO3** Be able to safely use basic maintenance and/or repair techniques on land-based machinery and installations
- LO4** Understand land-based workshop health and safety requirements

Unit 9: Introduction to the Principles of Land-based Machinery

- LO1** Know the working principles of combustion engines
- LO2** Know the maintenance requirements of machines
- LO3** Be able to maintain engines on land-based machines

Unit 14: Introduction to Practical Forestry Skills

- LO1** Be able to use a range of basic woodland establishment and maintenance techniques
- LO2** Be able to carry out basic measurement of standing trees, timber products and woodland sites
- LO3** Be able to carry out simple harvesting operations
- LO4** Understand environmental and waste management issues associated with woodland operations

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| | <p>Unit 17: Introduction to Land-based Machinery Operations LO1 Understand safe working principles when using equipment and machinery LO2. Be able to prepare land-based equipment and machinery for use LO3 Be able to operate land-based equipment and machinery LO4 Be able to maintain land-based equipment and machinery</p> <p>Unit 19: Tractor Driving LO1 Know key components and operator controls on a tractor LO2 Know the relevant legislation and codes of practice for tractor driving LO3 Be able to carry out simple maintenance tasks and settings to a tractor LO4 Be able to operate a tractor and attachments.</p> <p>Unit 23: Undertake Tree Felling Operations LO1 Be able to carry out routine operator maintenance on a chainsaw LO2 Be able to comply with legislation and codes of practice relevant to tree felling operations LO3 Be able to fell small trees using a chainsaw and felling aids.</p> <p>Unit 24: Undertake Tree Climbing and Pruning Operations LO1 Be able to access trees safely LO2 Be able to carry out pruning operations LO3 Be able to comply with legislation and best practice relevant to tree pruning operations</p> <p>.</p> |
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A2 Operational methods, engines and mechanics

Unit 8: Introduction to Land-based Workshop Practice

LO1 Be able to safely use commonly found hand and power tools for the maintenance and repair of land-based machinery and installations

LO2 Be able to safely use basic welding and cutting equipment

LO3 Be able to safely use basic maintenance and/or repair techniques on land-based machinery and installations

LO4 Understand land-based workshop health and safety requirements

Unit 9: Introduction to the Principles of Land-based Machinery

LO1 Know the working principles of combustion engines

LO2 Know the maintenance requirements of machines

LO3 Be able to maintain engines on land-based machines

Unit 19: Tractor Driving

LO1 Know key components and operator controls on a tractor

LO2 Know the relevant legislation and codes of practice for tractor driving

LO3 Be able to carry out simple maintenance tasks and settings to a tractor

LO4 Be able to operate a tractor and attachments

Unit 23: Undertake Tree Felling Operations

LO1 Be able to carry out routine operator maintenance on a chainsaw

Learning aim B Prepare and maintain machines for land-based activities**B1 Prepare machinery****Unit 8: Introduction to Land-based Workshop Practice**

LO1 Be able to safely use commonly found hand and power tools for the maintenance and repair of land-based machinery and installations

LO2 Be able to safely use basic welding and cutting equipment

LO3 Be able to safely use basic maintenance and/or repair techniques on land-based machinery and installations

LO4 Understand land-based workshop health and safety requirements

Unit 9: Introduction to the Principles of Land-based Machinery

LO1 Know the working principles of combustion engines

LO2 Know the maintenance requirements of machines

LO3 Be able to maintain engines on land-based machines

Unit 14: Introduction to Practical Forestry Skills

LO1 Be able to use a range of basic woodland establishment and maintenance techniques

LO2 Be able to carry out basic measurement of standing trees, timber products and woodland sites

Unit 17: Introduction to Land-based Machinery Operations

LO1 Understand safe working principles when using equipment and machinery

LO2 Be able to prepare land-based equipment and machinery for use

Unit 19: Tractor Driving

LO3 Be able to carry out simple maintenance tasks and settings to a tractor

LO4 Be able to operate a tractor and attachments.

B2 Maintenance of machinery**Unit 8: Introduction to Land-based Workshop Practice**

LO3 Be able to safely use basic maintenance and/or repair techniques on land-based machinery and installations

LO4 Understand land-based workshop health and safety requirements

Unit 9: Introduction to the Principles of Land-based Machinery

LO2 Know the maintenance requirements of machines

LO3 Be able to maintain engines on land-based machines

Unit 17: Introduction to Land-based Machinery Operations

LO4 Be able to maintain land-based equipment and machinery

Unit 19: Tractor Driving

LO3 Be able to carry out simple maintenance tasks and settings to a tractor

Learning aim C Carry out safe and responsible machine operation for routine land-based activities**C1** Operating machinery**Unit 8: Introduction to Land-based Workshop Practice**

LO1 Be able to safely use commonly found hand and power tools for the maintenance and repair of land-based machinery and installations

LO2 Be able to safely use basic welding and cutting equipment

LO3 Be able to safely use basic maintenance and/or repair techniques on land-based machinery and installations

LO4 Understand land-based workshop health and safety requirements

Unit 9: Introduction to the Principles of Land-based Machinery

LO1 Know the working principles of combustion engines

LO2 Know the maintenance requirements of machines

LO3 Be able to maintain engines on land-based machines

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| | <p>Unit 17: Introduction to Land-based Machinery Operations LO1 Understand safe working principles when using equipment and machinery LO2. Be able to prepare land-based equipment and machinery for use LO3 Be able to operate land-based equipment and machinery LO4 Be able to maintain land-based equipment and machinery</p> <p>Unit 19: Tractor Driving LO1 Know key components and operator controls on a tractor LO2 Know the relevant legislation and codes of practice for tractor driving LO3 Be able to carry out simple maintenance tasks and settings to a tractor LO4 Be able to operate a tractor and attachments.</p> <p>Unit 23: Undertake Tree Felling Operations LO1 Be able to carry out routine operator maintenance on a chainsaw LO2 Be able to comply with legislation and codes of practice relevant to tree felling operations LO3 Be able to fell small trees using a chainsaw and felling aids.</p> <p>Unit 24: Undertake Tree Climbing and Pruning Operations LO2 Be able to carry out pruning operations LO3 Be able to comply with legislation and best practice relevant to tree pruning operations</p> |
| C2 Post-activity machinery checks and aftercare | <p>Unit 8: Introduction to Land-based Workshop Practice LO1 Be able to safely use commonly found hand and power tools for the maintenance and repair of land-based machinery and installations LO2 Be able to safely use basic welding and cutting equipment LO3 Be able to safely use basic maintenance and/or repair techniques on land-based machinery and installations LO4 Understand land-based workshop health and safety requirements</p> |

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| | <p>Unit 9: Introduction to the Principles of Land-based Machinery LO1 Know the working principles of combustion engines LO2 Know the maintenance requirements of machines LO3 Be able to maintain engines on land-based machines</p> <p>Unit 14: Introduction to Practical Forestry Skills LO1 Be able to use a range of basic woodland establishment and maintenance techniques LO2 Be able to carry out basic measurement of standing trees, timber products and woodland sites LO3 Be able to carry out simple harvesting operations LO4 Understand environmental and waste management issues associated with woodland operations</p> <p>Unit 17: Introduction to Land-based Machinery Operations LO1 Understand safe working principles when using equipment and machinery LO2 Be able to prepare land-based equipment and machinery for use LO3 Be able to operate land-based equipment and machinery LO4 Be able to maintain land-based equipment and machinery</p> <p>Unit 19: Tractor Driving LO1 Know key components and operator controls on a tractor LO2 Know the relevant legislation and codes of practice for tractor driving LO3 Be able to carry out simple maintenance tasks and settings to a tractor LO4 Be able to operate a tractor and attachments.</p> |
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Unit 8 – Countryside Estate Maintenance**Learning Aims**

A Carry out inspections to plan countryside maintenance, repair and installation tasks

B Select and prepare materials, tools and equipment for countryside maintenance, repair and installation tasks

C Undertake countryside maintenance, repair and installation tasks

Unit Content**Knowledge and sector skills**

Learning aim A Carry out inspections to plan countryside maintenance, repair and installation tasks

A1 Inspecting for repair, maintenance and installation needs

Unit 5: Participate in Providing Estate Maintenance

LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance
LO2 Be able to maintain estate boundaries
LO3 Be able to maintain surfaces or habitats
LO4 Know how to work safely and minimise environmental damage.

Unit 6: Conservation and Improvement of British Habitats

LO4 Be able to improve a habitat.

Unit 2: Environmental and Land based Business

LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector

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| A2 Plan for repair, maintenance and installation needs | <p>Unit 5: Participate in Providing Estate Maintenance LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance LO2 Be able to maintain estate boundaries LO3 Be able to maintain surfaces or habitats LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 6: Conservation and Improvement of British Habitats LO4 Be able to improve a habitat.</p> <p>Unit 2: Environmental and Land based Business LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> |
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Learning aim B Select and prepare materials, tools and equipment for countryside maintenance, repair and installation tasks

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| B1 Selecting and preparing tools, equipment and materials | <p>Unit 5: Participate in Providing Estate Maintenance LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance LO2 Be able to maintain estate boundaries LO3 Be able to maintain surfaces or habitats LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 6: Conservation and Improvement of British Habitats LO4 Be able to improve a habitat.</p> <p>Unit 2: Environmental and Land based Business LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> |
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| B2 Health and safety | <p>Unit 5: Participate in Providing Estate Maintenance LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance LO2 Be able to maintain estate boundaries LO3 Be able to maintain surfaces or habitats LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 6: Conservation and Improvement of British Habitats LO4 Be able to improve a habitat.</p> <p>Unit 2: Environmental and Land based Business LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> |
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Learning aim C Undertake countryside maintenance, repair and installation tasks

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| C1 Carry out maintenance, repair and installation tasks | <p>Unit 5: Participate in Providing Estate Maintenance LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance LO2 Be able to maintain estate boundaries LO3 Be able to maintain surfaces or habitats LO4 Know how to work safely and minimise environmental damage.</p> <p>Unit 6: Conservation and Improvement of British Habitats LO4 Be able to improve a habitat.</p> <p>Unit 2: Environmental and Land based Business LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> |
| C2 Review maintenance, repair and installation tasks | <p>Unit 5: Participate in Providing Estate Maintenance LO1 Be able to select, transport and use a range of hand tools and equipment for estate maintenance LO2 Be able to maintain estate boundaries LO3 Be able to maintain surfaces or habitats LO4 Know how to work safely and minimise environmental damage.</p> |

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| | <p>Unit 6: Conservation and Improvement of British Habitats LO4 Be able to improve a habitat.</p> <p>Unit 2: Environmental and Land based Business LO2 Know the relevant legislation and codes of practice within the environmental and land-based sector</p> |
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