

Please read the instructions printed at the end of this form. One of these sheets, suitably completed, should be attached to the assessed work of each candidate.											
Unit Title	Ecology and Managing the Environment					Unit Code	G633	Session	June	Year	2 0
Centre Name								Centre Number			
Candidate Name								Candidate Number			
Evidence: The candidate needs to produce evidence of their investigation on ecology and managing ecosystems.											
Criteria			Teacher Comment	Mark	Page No.						
AO1(a).1: Candidate will demonstrate a basic knowledge and understanding of the relationship between the organisms, their physical environment and each other in ecological succession; [0 1]	AO1(a).2: candidate will demonstrate a sound knowledge and understanding of the relationship between the organisms, their physical environment and each other in ecological succession; candidate will use appropriate scientific terms and conventions accurately; [2 3]	AO1(a).3: candidate will demonstrate a thorough knowledge and understanding of the relationship between the organisms, their physical environment and each other in ecological succession; candidate will use appropriate scientific terms and conventions accurately. [4 5]									
AO1(b).1: Candidate will research the effect of agricultural practice, human habitation and greenhouse gas production on ecosystems and biodiversity, selecting information and presenting it clearly, using correct spelling, punctuation and grammar; [0 1]	AO1(b).2: candidate will research the effect of agricultural practice, human habitation and greenhouse gas production on ecosystems and biodiversity, selecting a wide range of information, giving reasons for their choice of resources, and presenting it clearly and logically, generally using correct spelling, punctuation and grammar; [2 3]	AO1(b).3: candidate will research the effect of agricultural practice, human habitation and greenhouse gas production on ecosystems and biodiversity, selecting a wide range of relevant information and presenting it clearly and logically, using correct spelling, punctuation and grammar throughout; candidate will evaluate the information available and justify the choice that they have included. [4 5]									
AO2(a).1: Candidate will identify some of the scientific, moral and ethical reasons for preserving ecosystems and species diversity; [0 1]	AO2(a).2: candidate will identify and explain the scientific, moral and ethical reasons for preserving ecosystems and species diversity; [2 3]	AO2(a).3: candidate will organise information to evaluate the scientific, moral and ethical reasons for preserving ecosystems and species diversity. [4]									

Criteria			Teacher Comment	Mark	Page No.
AO2(b).1: Candidate will describe some of the methods used to manage ecosystems and preserve species diversity; candidate will give a limited interpretation of information relating to the success of a project managing one ecosystem; [0 1]	AO2(b).2: candidate will describe methods used to manage ecosystems and preserve species diversity; candidate will describe and interpret data relating to the success of a project managing one ecosystem; [2 3]	AO2(b).3: candidate will describe a range of methods used to manage ecosystems and preserve species diversity; candidate will interpret, explain and evaluate a range of data relating to the success of a project managing one ecosystem. [4 5]			
AO2(c).1: Candidate will carry out straightforward calculations on ecological data (e.g. mean, standard deviation) and will sometimes obtain the correct solutions; [0 1]	AO2(c).2: candidate will carry out complex calculations on ecological data, involving some use of statistics (e.g. diversity indices) and obtaining the correct solutions; [2 3]	AO2(c).3: candidate will carry out complex calculations on ecological data involving the statistical analysis of the data obtained (e.g. chi-squared or t test); candidate will obtain the correct solutions to an appropriate degree of accuracy and demonstrate an understanding of the significance of the outcomes. [4 5]			
AO3(a).1: Candidate will produce risk assessments; candidate will carry out measurements of some factors affecting the ecosystem that the candidate studied, using a range of techniques and equipment; [0 1 2 3 4]	AO3(a).2: candidate will produce risk assessments, consistent with COSHH guidelines; candidate will carry out measurements of factors affecting the ecosystem that the candidate studied, using a range of techniques and equipment; candidate will have repeated measurements, working with an appropriate degree of accuracy; [5 6]	AO3(c).3: candidate will produce their own detailed risk assessments, consistent with COSHH guidelines; candidate will carry out measurements of a wide range of factors affecting the ecosystem that the candidate studied and explain why they used a range of techniques and equipment; candidate will explain the need to have repeated measurements, and work with an appropriate degree of accuracy. [7 8]			
AO3(b).1: Candidate will make and record relevant observations and measurements in the ecosystem; [0 1 2]	AO3(b).2: candidate will make and record relevant observations and measurements in the ecosystem, using precision in their measurements; [3 4]	AO3(b).3: candidate will make and record a detailed set of relevant observations and measurements in the ecosystem, using the appropriate precision in their measurements. [5 6]			

Criteria					Teacher Comments	Mark	Page No.
AO3(c).1: Candidate will display the ecological data obtained using tables, with help; [0 1]	AO3(c).2: candidate will display the ecological data accurately in a range of ways; [2 3]	AO3(c).3: candidate will process and display accurately ecological data in a range of ways chosen to best illustrate the trends in the data [4]					
AO3(d).1: Candidate will give some interpretation of the results and relate these to the occurrence and distribution of species within the ecosystem studied; [0 1 2 3 4]	AO3(d).2: candidate will interpret the results, and draw basic conclusions, relating their results to the occurrence and distribution of species within the ecosystem studied; [5 6]	AO3(d).3: candidate will interpret the results in detail, and draw conclusions relating their results to the occurrence and distribution of species within the ecosystem studied. [7 8]					
Total/50							
If this work is a re-sit, please tick		Session and Year of previous submission	Jan / June	2	0		Please tick to indicate this work has been standardised internally

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).

Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and also enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.