

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	Analysis at work	Unit Code	G621	Session	June	Year	2	0		
Centre Name						Centre Number				
Candidate Name						Candidate Number				
Evidence: The candidate needs to produce a portfolio related to information on organisations that use science to analyse processes.										
Criteria						Teacher Comment	Mark	Page No.		
AO1(a).1: Candidate will give a brief description of the energy policy of a non-domestic consumer of electricity; [0 1 2]	AO1(a).2: candidate will give selected information obtained from a non-domestic consumer of energy to give a description about their energy policy; [3 4]	AO1(a).3: candidate will give selected, relevant information obtained from a non-domestic consumer of energy, to give a detailed description of their energy policy and evaluate ways in which they limit their energy consumption. [5 6]								
AO1(b).1: Candidate will state what is meant by energy efficiency and state how the candidate's non-domestic consumer of energy has considered energy efficiency by <ul style="list-style-type: none"> • carrying out processes or activities more efficiently • eliminating wasteful processes or activities • other means; [0 1 2]	AO1(b).2: candidate will state what is meant by energy efficiency and describe how energy efficiency has been considered by the candidate's chosen non-domestic consumer of energy by <ul style="list-style-type: none"> • carrying out processes or activities more efficiently (include a definition of energy efficiency) • eliminating wasteful processes or activities • other means generally using accurate terminology and nomenclature; [3 4]	AO1(b).3: candidate will state what is meant by energy efficiency and explain how energy efficiency has been considered by the candidate's chosen non-domestic consumer of energy and evaluate the reduction of energy consumption by <ul style="list-style-type: none"> • carrying out processes or activities more efficiently (relate this to efficiency) • eliminating wasteful processes or activities • other means using accurate terminology and nomenclature. [5 6]								
AO1(c).1: Candidate will state how their chosen organisation has considered the <ul style="list-style-type: none"> • environmental impacts • cost savings of reducing energy consumption, generally using correct, spelling, punctuation and grammar; [0 1 2]	AO1(c).2: candidate will describe how their chosen organisation has considered the <ul style="list-style-type: none"> • environmental impacts • cost savings of reducing energy consumption, generally using correct terminology, spelling, punctuation and grammar; [3 4 5]	AO1(c).3: candidate will describe in detail how their chosen organisation has considered the <ul style="list-style-type: none"> • environmental impacts • cost savings of reducing energy consumption and relate it to the energy policy of the organisation, using accurate terminology, correct spelling, punctuation and grammar. [6 7]								

Criteria			Teacher Comment	Mark	Page No.
AO2(a).1: Candidate will show the forms of energy transfer involved in the generation of electricity; candidate will describe briefly large-scale and small-scale electrical generation from one chosen fuel or energy sources; [0 1]	AO2(a).2: candidate will describe and compare large-scale and small-scale electrical generation from two chosen fuel or energy sources; candidate will demonstrate good research skills and evidence of selection of material; [2 3]	AO2(a).3: candidate will describe and compare the relative benefits and problems of large-scale and small-scale electrical generation from two chosen fuel or energy sources; candidate will demonstrate independent research skills and evidence of selection of relevant material. [4 5]			
AO2(b).1: Candidate will display information on energy values and fuel/energy costs to include <ul style="list-style-type: none"> • one non-renewable • one renewable fuel/energy source used in the generation of electricity; candidate will show a number of straightforward calculations using the candidate's data, generally obtaining the correct solutions; [0 1]	AO2(b).2: candidate will research and display information on energy values and fuel/energy costs to include <ul style="list-style-type: none"> • one non-renewable • one renewable fuel/energy source used in the generation of electricity; candidate will show a number of complex and straightforward calculations using the data researched, generally obtaining the correct solutions; [2 3]	AO2(b).3: candidate will research and display information on energy values and fuel/energy costs to include a range of <ul style="list-style-type: none"> • non-renewable • renewable fuel/energy sources used in the generation of electricity; candidate will show a number of complex and straightforward calculations using the data researched, obtaining the correct solutions to an appropriate degree of accuracy. [4 5]			
AO3(a).1: Candidate will produce a report of a qualitative analysis they have carried out, linked to a vocational context in which risk assessments have been used; relevant observations have been made and results suitably processed, with some interpretation; [0 1 2 3]	AO3(a).2: candidate will produce a detailed report of a qualitative analysis they have carried out, linked to a vocational context in which risk assessments have been completed; relevant observations have been made and results accurately processed and interpreted; the information is presented clearly and logically; [4 5]	AO3(a).3: candidate will produce a detailed report of a qualitative analysis they have carried out, linked to a vocational context in which risk assessments have been produced with evidence equipment has been used safely and to the appropriate degree of accuracy; relevant observations have been made and results accurately processed and interpreted; the information is presented clearly, logically and has been evaluated. [6 7]			
AO3(b).1: Candidate will produce a report of a quantitative analysis they have carried out, linked to a vocational context in which risk assessments have been used; relevant observations have been made and results suitably processed, with some interpretation; [0 1 2 3]	AO3(b).2: candidate will produce a detailed report of a quantitative analysis they have carried out, linked to a vocational context in which risk assessments have been completed; relevant observations have been made and results processed and interpreted accurately; the information is presented clearly and logically; [4 5]	AO3(b).3: candidate will produce a detailed report of a quantitative analysis they have carried out, linked to a vocational context in which risk assessments have been produced, with evidence that equipment has been used safely and to the appropriate degree of accuracy; relevant observations have been made and results processed and interpreted accurately; the information is presented clearly and logically and has been evaluated. [6 7]			

Criteria			Teacher Comment	Mark	Page No.
AO3(c).1: Candidate will produce a report of a third investigation they have carried out, linked to a vocational context in which risk assessments have been used; relevant observations or measurements have been made and results suitably processed, with some interpretation; [0 1 2 3]	AO3(c).2: candidate will produce a detailed report of a third investigation they have carried out, linked to a vocational context in which risk assessments have been completed; relevant observations or measurements have been made and results accurately processed and interpreted; the candidate's information will be presented clearly and logically; [4 5]	AO3(c).3: candidate will produce a detailed report of a third investigation they have carried out, linked to a vocational context in which risk assessments have been produced with evidence equipment has been used safely and to the appropriate degree of accuracy; relevant observations or measurements have been made with the appropriate precision and results accurately processed and interpreted; the candidate's information will be presented clearly, logically and has been evaluated. [6 7]			
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.