

Applied Science

OCR GCE Unit G621 Analysis at work Unit Recording Sheet

Please read the instructions r	orinted at	the end of this form. One of these sheets	. suitably completed, should be	attached to the as	sessed wo	rk of each cand	idate.	7				
Unit Title Analysis a			, ,	Unit Code	1	Session	June	Year	2	0		
Centre Name							Centre Numb	er				
Candidate Name							Candidate No	ımber				
Evidence: The candidate ne	eds to pro	oduce a portfolio related to information on	organisations that use science t	to analyse process	ses.							
				Te		Mark		Page No.				
AO1(a).1: Candidate will of brief description of the energy policy of a non-domestic consumer of electricity;		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 g relevant information obtain domestic consumer of ene detailed description of thei evaluate ways in which the consumption.	ed from a non- rgy, to give a r energy policy a ey limit their ener	gy 5 6]							
AO1(b).1: Candidate will s what is meant by energy efficiency and state how the candidate's non-domestic consumer of energy has considered energy efficient earrying out processes of activities more efficiently eliminating wasteful procor activities other means;	state ne ncy by or cesses	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 • 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;	AO1(b).3: candidate will s by energy efficiency and e efficiency has been consid candidate's chosen non-do energy and evaluate the reconsumption by • carrying out processes of efficiently (relate this to e eliminating wasteful processes of the eliminating was	tate what is mea xplain how energered by the omestic consume eduction of energer r activities more efficiency) resses or activities and nomenclat	er of By es ure.							
AO1(c).1: Candidate will show their chosen organisa has considered the environmental impacts cost savings of reducing energy consurgenerally using correct, spunctuation and grammar;	ntion mption, pelling,	AO1(c).2: candidate will describe how their chosen organisation has considered the • environmental impacts • cost savings of reducing energy consumption, generally using correct terminology, spelling, punctuation and grammar;	AO1(c).3: candidate will de their chosen organisation h environmental impacts cost savings of reducing energy consunto the energy policy of the accurate terminology, correpunctuation and grammar.	nas considered to nption and relate organisation, us ect spelling,	he : it							

	Criteria	Teacher Comment	Mark	Page No.	
AO2(a).1: Candidate will show	AO2(a).2: candidate will describe	AO2(a).3: candidate will describe and			
the forms of energy transfer	and compare large-scale and	compare the relative benefits and problems of			
involved in the generation of	small-scale electrical generation	large-scale and small-scale electrical			
electricity;	from two chosen fuel or energy	generation from two chosen fuel or energy			
candidate will describe briefly	sources;	sources;			
large-scale and small-scale	candidate will demonstrate good	candidate will demonstrate independent			
electrical generation from one	research skills and evidence of	research skills and evidence of selection of			
chosen fuel or energy sources;	selection of material;	relevant material.			
[0 1]	[2 3]	[4 5]			
AO2(b).1: Candidate will display	AO2(b).2: candidate will research	AO2(b).3: candidate will research and display			
information on energy values and	and display information on energy	information on energy values and fuel/energy			
fuel/energy costs to include	values and fuel/energy costs to	costs to include a range of			
one non-renewable	include	non-renewable			
one renewable	 one non-renewable 	• renewable			
fuel/energy source used in the	one renewable	fuel/energy sources used in the generation of			
generation of electricity;	fuel/energy source used in the	electricity;			
candidate will show a number of	generation of electricity;	candidate will show a number of complex and			
straightforward calculations using	candidate will show a number of	straightforward calculations using the data			
the candidate's data, generally	complex and straightforward	researched, obtaining the correct solutions to			
obtaining the correct solutions;	calculations using the data	an appropriate degree of accuracy.			
The second secon	researched, generally obtaining	an appropriate angles of accountry.			
	the correct solutions;				
[0 1]	[2 3]	[4 5]			
AO3(a).1: Candidate will	AO3(a).2: candidate will produce	AO3(a).3: candidate will produce a detailed			
produce a report of a qualitative	a detailed report of a qualitative	report of a qualitative analysis they have			
analysis they have carried out,	analysis they have carried out,	carried out, linked to a vocational context in			
linked to a vocational context in	linked to a vocational context in	which risk assessments have been produced			
which risk assessments have	which risk assessments have	with evidence equipment has been used safely			
been used;	been completed;	and to the appropriate degree of accuracy;			
relevant observations have been	relevant observations have been	relevant observations have been made and			
made and results suitably	made and results accurately	results accurately processed and interpreted;			
processed, with some	processed and interpreted:	the information is presented clearly, logically			
interpretation;	the information is presented	and has been evaluated.			
,	clearly and logically;				
[0 1 2 3]	[4 5]	[6 7]			
AO3(b).1: Candidate will	AO3(b).2: candidate will produce	AO3(b).3: candidate will produce a detailed			
produce a report of a quantitative	a detailed report of a quantitative	report of a quantitative analysis they have			
analysis they have carried out,	analysis they have carried out,	carried out, linked to a vocational context in			
linked to a vocational context in	linked to a vocational context in	which risk assessments have been produced,			
which risk assessments have	which risk assessments have	with evidence that equipment has been used			
been used;	been completed;	safely and to the appropriate degree of			
relevant observations have been	relevant observations have been	accuracy;			
made and results suitably	made and results processed and	relevant observations have been made and			
processed, with some	interpreted accurately;	results processed and interpreted accurately;			
interpretation;	the information is presented	the information is presented clearly and			
•	clearly and logically;	logically and has been evaluated.			
[0 1 2 3]	[4 5]	[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;	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.				ext in oduced ed safely racy; ts have sion and preted; sented ed.			
Total/50									
If this work is a re-sit, please tick	Session and Year of previous submission Jan / June 2 0 Please				Please t	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

- One sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 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.

URS772 Revised September 2014 G621/URS