

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	8 Investigating the Scientist's Work				Unit Code	G627	Session	Jan / June	Year	2	0	0	
Centre Name								Centre Number					
Candidate Name								Candidate Number					
Evidence: an information pack which can be used and understood by a group of scientific research technicians.													
Criteria								Teacher Comment				Page No.	
AO1(a).1: You will produce a workable and clearly presented plan for one investigation linked to the vocational context; the plan shows a basic knowledge of the scientific principles and experimental technique involved; <p style="text-align: right;">[0 1 2]</p>		AO1(a).2: You will produce an achievable and logical presented plan, for one investigation with direct vocational involvement which shows a sound knowledge and understanding of the aims and objectives set; <p style="text-align: right;">[3]</p>		AO1(a).3: You will produce a comprehensive, realistic, achievable and logically presented plan for one suitable investigation which demonstrates through knowledge and understanding of the aims and objectives. <p style="text-align: right;">[4 5]</p>		Mark							
AO1(b).1: You will show evidence of selected research about suitable experimental work and health and safety, identifying information on deadlines you will need to be aware of; <p style="text-align: right;">[0 1 2]</p>		AO1(b).2: You will show evidence of a wide range of relevant research, selected from a number of sources with suitable validation, identifying constraints you will have to work under and how they can be overcome; <p style="text-align: right;">[3]</p>		AO1(b).3: You will show evidence of thorough research and suitable selection of information from a wide range of sources, identifying and discussing constraints, their effect and suitable contingency plans. <p style="text-align: right;">[4 5]</p>		Mark							
AO2(a).1: You will record the results of the investigation and present them in a suitable format; <p style="text-align: right;">[0 1]</p>		AO2(a).2: You will produce a description and explanation of the results presented in a suitable format; <p style="text-align: right;">[2 3]</p>		AO2(a).3: You will record and present the results of the investigation in a suitable manner and provide a detailed explanation. <p style="text-align: right;">[4]</p>		Mark							
AO2(b).1: You will show limited processing and interpretation of the data collected with a suitable link to the vocational context set; <p style="text-align: right;">[0 1 2]</p>		AO2(b).2: You will show suitable processing and interpretation of the data collected, relating to the objectives of the investigation; <p style="text-align: right;">[3]</p>		AO2(b).3: You will show evidence that the appropriate method of processing has been selected and used and any anomalous data identified and evaluated; a critical analysis of the results relating to the objectives of the investigation. <p style="text-align: right;">[4 5]</p>		Mark							
AO2(c).1: You will carry out a number of completed straightforward calculations; <p style="text-align: right;">[0 1 2]</p>		AO2(c).2: You will carry out a number of complex calculations completed with partial success; <p style="text-align: right;">[3]</p>		AO2(c).3: You will carry out a number of complex calculations to completion, obtaining the correct solution to the appropriate degree of accuracy. <p style="text-align: right;">[4 5]</p>		Mark							

AO3(a).1: You will provide evidence that the experimental procedure or trials in the investigation have been safely and correctly carried out and repeated where necessary using risk assessments; [0 1 2]	AO3(a).2: You will show evidence that a range of experimental techniques and procedures has been safely and skilfully completed, using suitably detailed risk assessments, within the constraints of the plan; you will demonstrate that an appropriate degree of accuracy has been used; [3 4]	AO3(a).3: You will show evidence that a wide range of experimental techniques and procedures has been safely, skilfully, accurately and independently completed, using risk assessment which you have produced. [5 6]	Mark				
AO3(b).1: You will produce a record which shows that the plan has been followed and monitored; [0 1 2]	AO3(b).2: You will record any modifications or changes needed to be made, providing reasons for the changes; [3]	AO3(b).3: You will carry out and provide explanations of any strategies used to overcome any deficiencies or constraints of the plan. [4 5]	Mark				
AO3(c).1: You will produce a clear and accurate report of the outcomes of the investigation, using basic scientific terminology correctly, which can be understood by research techniques; [0 1 2]	AO3(c).2: You will produce a logical and accurate report of the outcomes of the investigation, using scientific terminology correctly, which can be understood and used by research technicians; there is evidence to show understanding of the scientific concepts involved in the investigation; [3 4 5]	AO3(c).3: You will produce a logical and well structured report of the outcomes of the investigation using the appropriate scientific terminology, suitable for use by scientific technicians; this will show high level of scientific knowledge and understanding relevant to the investigation and its applied implications. [6 7]	Mark				
AO3(d).1: You will interpret the data; [0 1]	AO3(d).2: You will assess the reliability of the data and how well the investigation achieved its aims; [2 3]	AO3(d).3: You will discuss the reliability of the investigation with a detailed scientific discussion of how the investigation achieved its aims and objectives. [4]	Mark				
AO3(e).1: You will produce a basic evaluation of the investigation; [0 1]	AO3(e).2: You will produce an evaluation of the investigation; [2 3]	AO3(e).3: You will produce a critical evaluation of the investigation, incorporating suitable amendments where appropriate. [4]	Mark				
Total/50							
If this work is a re-sit, please tick	Session and Year of previous submission	Jan / June	2	0	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).
A completed Centre Authentication form CCS160 **must** accompany the MS1 when it is sent to the moderator.

Guidance on Completion of this Form

- One** sheet should be used for each candidate.
- 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.
- 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.
- Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.