OCR
Oxford Cambridge and RSA

# Applied Science

## OCR GCE Unit G625 Forensic Science

## Unit Recording Sheet

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.

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|---|---|---|---|---|---|---|---|---|---|---|
| **Unit Title** | **Forensic science** | **Unit Code** | **G625** | **Session** | **June** | **Year** | **2** | **0** | | |
| **Centre Name** | | | | | **Centre Number** | | | | | |
| **Candidate Name** | | | | | **Candidate Number** | | | | | |

**Evidence:** The candidate needs to produce evidence of their investigation into forensic science.

| Criteria | | | Teacher Comment | Mark | Page No. |
|---|---|---|---|---|---|
| AO1(a).1: Candidate will demonstrate a basic knowledge of the need to record and preserve the crime scene, giving some of the techniques used; **[0 1 2]** | AO1(a).2: candidate will demonstrate knowledge and understanding of the need to record and preserve the crime scene, describing a range of techniques used; **[3 4]** | AO1(a).3: candidate will demonstrate a thorough knowledge and understanding of the need to record and preserve the crime scene with a detailed description and explanation of a wide range of techniques used. **[5]** | | | |
| AO1(b).1: The candidate's work will show some information on how forensic scientists collect and visualise evidence safely using<br>• chemical techniques; **[0 1]**<br>• biological techniques; **[0 1]**<br>• physical techniques; **[0 1]**<br>with evidence of some scientific terminology and corrected punctuation and grammar; | AO1(b).2: the candidate's work will show research and information on ways in which forensic scientists collect and visualise evidence, safely and appropriately, using<br>• chemical techniques; **[2]**<br>• biological techniques; **[2]**<br>• physical techniques; **[2]**<br>generally, candidate will use appropriate scientific terms correctly, and use correct punctuation and grammar; | AO1(b).3: candidate will produce an in-depth research report showing understanding of a range of ways in which forensic scientists collect and visualise evidence, safely and appropriately, using<br>• chemical techniques; **[3 4]**<br>• biological techniques; **[3 4]**<br>• physical techniques; **[3 4]**<br>the candidate will understand the science behind these techniques and use appropriate scientific terms and conventions correctly, with correct spelling, punctuation and grammar. | | | |
| AO1(c).1: The candidate's work will show a basic knowledge of ethical issues involved in retaining samples or data; **[0 1]** | AO1(c).2: the candidate's work will show a range of information on ethical issues related to forensic science; **[2 3]** | AO1(c).3: the candidate's work will show a range of relevant information on ethical issues in forensic science and an understanding of the need for an ethical code. **[4]** | | | |

| Criteria | | | Teacher Comment | Mark | Page No. |
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| AO2(a).1: The candidate's report, based on a case study, will contain some information on evidence and proof including information on the strengths and limitations of some types of forensic evidence;<br>**[0 1 2]** | AO2(a).2: the candidate's report, based on a case study, will contain detailed information on evidence and proof which includes<br>• the ways in which forensic scientists ensure that the quality of evidence collected and analysed is objective;<br>• strengths and limitations of the analytical techniques used and some interpretation of the probability of guilt;<br>**[3 4]** | AO2(a).3: the candidate's report, based on a case study, will contain researched and relevant detailed information on evidence and proof which includes<br>• the ways in which forensic scientists ensure that the quality of evidence collected and analysed is objective;<br>• detail on limitations;<br>• strengths and weaknesses of the analytical techniques used;<br>• an understanding of the probability of guilt and of a need to review evidence.<br>**[5 6]** | | | |
| AO2(b).1: Candidate will complete straightforward calculations on forensic data and will sometimes obtain the correct solutions;<br>**[0 1]** | AO2(b).2: candidate will complete straightforward calculations on forensic data and will obtain the correct solutions;<br>**[2 3]** | AO2(b).3: candidate will complete more complex calculations and will obtain the correct solutions to an appropriate degree of accuracy.<br>**[4]** | | | |
| AO3(a).1: Candidate will safely carry out **one** forensic analysis in **each** of the **three** areas<br>• biological<br>• chemical<br>• physical<br>and record evidence of completion;<br>candidate will use risk assessments;<br>**[0 1 2 3 4]** | AO3(a).2: candidate will carry out at least **one** forensic analysis in **each** of the **three** areas<br>• biological<br>• chemical<br>• physical<br>safely and with some skill and confidence;<br>candidate will produce and use suitable risk assessments and record evidence of completion;<br>candidate will use a range of techniques and equipment and repeat some measurements where necessary;<br>candidate will work with an appropriate degree of accuracy;<br>**[5 6]** | AO3(a).3: candidate will carry out **at least one** forensic analysis, in **each** of the **three** areas<br>• biological<br>• chemical<br>• physical<br>safely, skilfully, and accurately using different techniques;<br>candidate will produce detailed risk assessments and use them appropriately and record evidence of completion;<br>candidate will explain why they used the range of techniques and equipment and repeat measurements where appropriate;<br>candidate will work with an appropriate degree of accuracy throughout.<br>**[7 8]** | | | |

| Criteria | | | Teacher Comment | Mark | Page No. |
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| AO3(b).1: Candidate will make and record at least **one** set of forensic observations or measurements in each area and display the data obtained; **[0 1 2]** | AO3(b).2: candidate will make and record at least **one** set of appropriate forensic observations or measurements in each area, using some precision in their measurements, and display the data accurately in a range of ways; **[3]** | AO3(b).3: candidate will make and record at least **one** set of relevant forensic observations and measurements in each area, using the appropriate precision in the candidate's measurements, and candidate will display the data accurately in a range of ways. **[4 5]** | | | |
| AO3(c).1: Candidate will attempt to process and interpret some results in each of the **three** areas; **[0 1 2]** | AO3(c).2: candidate will process and interpret their results in each of the **three** areas; **[3 4]** | AO3(c).3: candidate will process and interpret their results in each of the **three** areas in detail, discussing their significance. **[5 6]** | | | |
| | | | **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.