RECOGNISING ACHIEVEMENT

# GCSE in Engineering

## OCR Engineering J344 (Double Award) in Engineering

## 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.

| Unit Title | 3A Real World Engineering | Unit Code | A623 | Season Jan / June | Year | 2 | 0 | | |
|---|---|---|---|---|---|---|---|---|---|

| Centre Name | | Centre Number | | | | | |
|---|---|---|---|---|---|---|---|

| Candidate Name | | Candidate Number | | | | |
|---|---|---|---|---|---|---|

**Unit A623 3A Real World Engineering** For the engineered products the candidate**:**

| Marking Criteria – total mark for this unit is 90 | | | Teacher Comment | Page |
|---|---|---|---|---|
| **Has basic ability,**<br>gives a basic explanation of most stages in engineering the product.<br>**[0 1 2]** | **Demonstrates an ability**<br>identifies and explains the stages in engineering the product.<br>**[3 4]** | **Works competently**<br>identifies and fully explains all the stages in engineering the product.<br>**[5 6]** | **Mark** | |
| a basic outline of the engineering processes and quality control techniques used to produce the product.<br>**[0 1 2]** | identifies and explains the engineering processes and quality control techniques used to produce the product.<br>**[3 4]** | identifies and fully explains the engineering processes and quality control techniques used to produce the product.<br>**[5 6]** | **Mark** | |
| gives limited consideration to the product with some detail of materials and components and their:<br>• functions;<br>• properties; and<br>• characteristics.<br>**[0 1 2]** | considers the identified product, giving detail of materials and components and their:<br>• functions;<br>• properties; and<br>• characteristics.<br>**[3 4]** | fully considers the identified product giving detail and justifying all materials and components and their:<br>• functions;<br>• properties; and<br>• characteristics.<br>**[5 6]** | **Mark** | |
| gives a basic explanation of some of the systems and control technology, to organise, monitor and control production of the product.<br>**[0 1 2]** | identifies and explains systems and control technology, to organise, monitor and control production of the product.<br>**[3 4]** | identifies and fully explains systems and control technology, to organise, monitor and control production of the product.<br>**[5 6]** | **Mark** | |
| gives a basic explanation of the impact of modern technologies when engineering the product.<br>**[0 1 2]** | identifies and explains the impact of modern technologies when engineering the product.<br>**[3 4]** | identifies and fully explains the impact of modern technologies when engineering the product.<br>**[5 6]** | **Mark** | |

| **Unit A623 3B Making an Engineered Product** | For the engineering product made the candidate: | | | |
|---|---|---|---|---|
| **Marking Criteria – total mark for this unit is 90** | | | **Teacher Comment** | **Page** |
| **Has basic ability, show deficiency**<br>produces and refers to a basic production plan.<br>**[0 1 2 3 4]** | **Demonstrates an ability**<br>produces and applies a production plan.<br>**[5 6 7 8]** | **Works competently with independence**<br>produces and fully applies a detailed production plan.<br>**[9 10 11 12]** | **Mark** | |
| makes a prototype of the engineered product.<br>**[0 1 2 3 4 5 6]** | makes a quality prototype of the engineered product.<br>**[7 8 9 10 11 12]** | makes a complete, high-quality prototype of the engineered product.<br>**[13 14 15 16 17 18]** | **Mark** | |
| selects and uses:<br>• processes:<br>• materials;<br>• parts;<br>• components;<br>• tools; and<br>• equipment.<br><br>There will be little or no use of specialist terms. Answers may be ambiguous or disorganised. Errors of spelling, punctuation and grammar may be intrusive.<br>**[0 1 2 3 4]** | selects, uses and explains the use of appropriate:<br>• processes:<br>• materials;<br>• parts;<br>• components;<br>• tools; and<br>• equipment.<br><br>There will be some use of specialist terms, although these may not always be used appropriately. The information will be presented for the most part in a structured format. There may be occasional errors in spelling, punctuation and grammar.<br>**[5 6 7 8]** | selects, uses and justifies the use of a wide range of appropriate:<br>• processes:<br>• materials;<br>• parts;<br>• components;<br>• tools; and<br>• equipment.<br><br>Specialist terms will be used appropriately and correctly. The information will be presented in a structured format. The candidate can demonstrate the accurate use of spelling, punctuation and grammar.<br>**[9 10 11 12]** | **Mark** | |

| **Unit A623 3B Making an Engineered Product** | For the engineering product made the candidate: | | | |
|---|---|---|---|---|
| **Marking Criteria – total mark for this unit is 90** | | | **Teacher Comment** | **Page** |
| **Has basic ability, show deficiency**<br>gives limited detail of their individual application of:<br>• health and safety procedures; and<br>• quality control techniques.<br>**[0 1 2 3]** | **Demonstrates an ability**<br>details their individual application of:<br>• health and safety procedures; and<br>• quality control techniques.<br>**[4 5 6]** | **Works competently with independence**<br>fully details their individual application of:<br>• health and safety procedures; and<br>• quality control techniques.<br>**[7 8 9]** | **Mark** | |
| gives some analysis and revision of the completed product, stating how or why it could be improved.<br>**[0 1 2 3]** | analyses and revises the completed product, explaining how and why it could be improved.<br>**[4 5 6]** | detailed analysis and revision of the completed product, fully explaining how and why it could be improved.<br>**[7 8 9]** | **Mark** | |
| | | | **Total/ 90** | |

| 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 | |
|---|---|---|---|---|---|---|---|---|---|

## Guidance on Completion of this Form

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).
Please complete one *Centre Authentication Form* (CCS160) for each unit and forward to the moderator with your sample.

## 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 enter the circled mark in the final column.
5 Add the marks for the strands together to give a total out of 90 Enter this total in the relevant box.