



Oxford Cambridge and RSA

# GCSE in Manufacturing

OCR J510 (Double Award) in Manufacturing Unit B233  
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.

<b>Unit Title</b>	<b>3A Real World Manufacturing</b>	<b>Unit Code</b>	<b>B233</b>	Season	June	<b>Year</b>	<b>2</b>	<b>0</b>		
<b>Centre Name</b>						<b>Centre Number</b>				
<b>Candidate Name</b>						<b>Candidate Number</b>				

Unit B233 3A Real World Manufacturing			For the manufactured products studied the candidate:		
Marking Criteria – total mark for this unit is 90			Teacher Comment	Page	
<b>Has basic ability,</b> gives a basic explanation of most stages in manufacturing the product. <p style="text-align: right;"><b>[0 1 2]</b></p>	<b>Demonstrates an ability</b> identifies and explains the stages in manufacturing the product. <p style="text-align: right;"><b>[3 4]</b></p>	<b>Works competently</b> identifies and fully explains all the stages in manufacturing the product. <p style="text-align: right;"><b>[5 6]</b></p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;">Mark</div>		
gives a basic outline of the production details that includes some reference to: <ul style="list-style-type: none"> <li>• labour;</li> <li>• available technology;</li> <li>• quality standards;</li> <li>• handling and storage.</li> </ul> <p style="text-align: right;"><b>[0 1 2]</b></p>	identifies with some explanation the production details and constraints to include: <ul style="list-style-type: none"> <li>• labour;</li> <li>• available technology;</li> <li>• quality standards;</li> <li>• handling and storage.</li> </ul> <p style="text-align: right;"><b>[3 4]</b></p>	identifies and fully explains the production details and constraints to include: <ul style="list-style-type: none"> <li>• labour;</li> <li>• available technology;</li> <li>• quality standards;</li> <li>• handling and storage.</li> </ul> <p style="text-align: right;"><b>[5 6]</b></p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;">Mark</div>		
gives a limited consideration of the identified product with explanation to some materials, components and/or ingredients and their constraints through their availability, form and supply. <p style="text-align: right;"><b>[0 1 2]</b></p>	considers the identified product explaining; materials, components and/or ingredients and their constraints through their availability, form and supply. <p style="text-align: right;"><b>[3 4]</b></p>	fully considers the identified product giving detail and justifying; all materials, components and/or ingredients and their constraints through their availability, form and supply. <p style="text-align: right;"><b>[5 6]</b></p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;">Mark</div>		
gives a basic explanation of some of the systems and control technology, to organise, monitor and control production of the product. <p style="text-align: right;"><b>[0 1 2]</b></p>	identifies and explains systems and control technology, to organise, monitor and control production of the product. <p style="text-align: right;"><b>[3 4]</b></p>	identifies and fully explains systems and control technology, to organise, monitor and control production of the product. <p style="text-align: right;"><b>[5 6]</b></p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto;">Mark</div>		

gives a basic explanation of the impact of modern technologies when manufacturing the product. <b>[0 1 2]</b>	identifies and explains the impact of modern technologies when manufacturing the product. <b>[3 4]</b>	identifies and fully explains the impact of modern technologies when manufacturing the product. <b>[5 6]</b>	<b>Mark</b>	
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Unit B233 3B Making a Manufactured Product				
As part of a team, the candidate produces a batch of a product from a design solution.				
Marking Criteria – total mark for this unit is 90			Teacher Comment	Page
<b>Has basic ability,</b>  A limited contribution and detail of the selection and use a range of appropriate: <ul style="list-style-type: none"> <li>• materials;</li> <li>• parts and components;</li> <li>• processes;</li> <li>• tools and;</li> <li>• equipment.</li> </ul> <b>[0 1 2 3]</b>	<b>Demonstrates an ability</b>  Contributes and details the selection and use a range of appropriate: <ul style="list-style-type: none"> <li>• materials;</li> <li>• parts and components;</li> <li>• processes;</li> <li>• tools and;</li> <li>• equipment.</li> </ul> <b>[4 5 6]</b>	<b>Works competently</b>  Fully contributes and details, the selection and use a range of appropriate: <ul style="list-style-type: none"> <li>• materials;</li> <li>• parts and components;</li> <li>• processes;</li> <li>• tools and;</li> <li>• equipment.</li> </ul> <b>[7 8 9]</b>	<b>Mark</b>	
A limited contribution and detail of the teams application of: <ul style="list-style-type: none"> <li>• health and safety procedures; and</li> <li>• quality control techniques.</li> </ul> <b>[0 1 2]</b>	Contributes and details the teams application of: <ul style="list-style-type: none"> <li>• health and safety procedures; and</li> <li>• quality control techniques.</li> </ul> <b>[3 4]</b>	Fully contributes and details the teams application of: <ul style="list-style-type: none"> <li>• health and safety procedures; and</li> <li>• quality control techniques.</li> </ul> <b>[5 6]</b>	<b>Mark</b>	

Individually, whilst working as part of a team to produce a batch of a product from a design solution the candidate:				
Marking Criteria – total mark for this unit is 90			Teacher Comment	Page
gives limited consideration and detail of: <ul style="list-style-type: none"> <li>• production details and constraints; and</li> <li>• application of quality standards.</li> </ul> <b>[0 1 2 3 4]</b>	considers and details: <ul style="list-style-type: none"> <li>• production details and constraints; and</li> <li>• application of quality standards.</li> </ul> <b>[5 6 7 8]</b>	fully considers and details: <ul style="list-style-type: none"> <li>• production details and constraints; and</li> <li>• application of quality standards.</li> </ul> <b>[9 10 11 12]</b>	<b>Mark</b>	

gives a basic analyses and evaluation of the product in terms of the: <ul style="list-style-type: none"> <li>• equipment;</li> <li>• tools; and</li> <li>• processes;</li> </ul> which have been used. <p style="text-align: right;"><b>[0 1 2 3 4 5 6]</b></p>	analyses and evaluates the product in terms of the: <ul style="list-style-type: none"> <li>• equipment;</li> <li>• tools; and</li> <li>• processes;</li> </ul> which have been used. <p style="text-align: right;"><b>[7 8 9 10 11 12]</b></p>	fully analyses and evaluates the product in terms of the: <ul style="list-style-type: none"> <li>• equipment;</li> <li>• tools; and</li> <li>• processes;</li> </ul> which have been used. <p style="text-align: right;"><b>[13 14 15 16 17 18]</b></p>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;">Mark</div>					
gives limited detail of how these would be modified in real-world manufacturing. <p style="text-align: right;"><b>[0 1 2 3]</b></p>	details how these would be modified in real-world manufacturing. <p style="text-align: right;"><b>[4 5 6]</b></p>	fully details how these would be modified in real-world manufacturing. <p style="text-align: right;"><b>[7 8 9]</b></p>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;">Mark</div>					
gives limited detail, of their individual application of: <ul style="list-style-type: none"> <li>• health and safety procedures; and</li> <li>• quality control techniques</li> </ul> <p style="text-align: right;"><b>[0 1 2]</b></p>	details their individual application of: <ul style="list-style-type: none"> <li>• health and safety procedures; and</li> <li>• quality control techniques.</li> </ul> <p style="text-align: right;"><b>[3 4]</b></p>	fully details their individual application of: <ul style="list-style-type: none"> <li>• health and safety procedures; and</li> <li>• quality control techniques.</li> </ul> <p style="text-align: right;"><b>[5 6]</b></p>	<div style="border: 1px solid black; width: 40px; height: 40px; margin: 0 auto;">Mark</div>					
<b>Total/ 90</b>								
If this work is a re-sit, please tick		Session and Year of previous submission	Jan / June	<b>2</b>	<b>0</b>		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](http://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 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.