

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>Production and manufacturing</b>	<b>Unit Code</b>	<b>F561</b>	<b>Session</b>	Jan / 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>				

Marking Criteria – total marks for this unit is 60						Teacher Comment	Page
Ref	Band 1	Band 2	Band 3			Mark	
1.1	Describe different types of manufacturing processes and systems, list some basic advantages and disadvantages of each type  <b>[0 1 2 3]</b>	Describe different types of manufacturing processes and systems, explain, with limited clarity, the advantages and disadvantages of each type  <b>[4 5 6]</b>	Describe different types of manufacturing processes and systems, clearly explain the advantages and disadvantages of each type  <b>[7 8 9]</b>				
2.1	Explain CAE, CAM and CNC and identify, with only basic detail, the application of CAE, CAM and CNC within a manufacturing system  <b>[0 1 2]</b>	Explain CAE, CAM and CNC and identify, with limited detail, the application of CAE, CAM and CNC within a manufacturing system  <b>[3 4]</b>	Explain CAE, CAM and CNC and clearly identify, with reasons and full details, the application of CAE, CAM and CNC within a manufacturing system  <b>[5 6]</b>				
3.1	Undertake and record investigations and research into assembly systems and techniques, quality control  <b>[0 1 2 3 4 5 6]</b>	Undertake and record detailed investigations and research into assembly systems and techniques, quality control and quality assurance requirements and statistical process control  <b>[7 8 9 10 11 12]</b>	Undertake and record thorough investigations and research into assembly systems and techniques, quality control and quality assurance requirements and statistical process control  <b>[13 14 15 16 17 18]</b>				

Marking Criteria – total marks for this unit is 60						Teacher Comment	Page
Ref	Band 1	Band 2	Band 3			Mark	
4.1	Produce a basic production plan with limited detail. Little or no reference to quality control and quality assurance  <b>[0 1 2 3 4 5]</b>	Produce a limited production plan taking into account assembly systems and techniques, quality control and quality assurance requirements and statistical process control  <b>[6 7 8 9 10]</b>	Produce a detailed production plan taking into account assembly systems and techniques, quality control and quality assurance requirements and statistical process control  <b>[11 12 13 14 15]</b>				
5.1	Produce, using appropriate software, a basic project plan for an engineering product  <b>[0 1 2 3 4]</b>	Produce, using appropriate software, a basic plan and schedule for the production of an engineering product  <b>[5 6 7 8]</b>	Produce, using appropriate software, a coherent detailed project plan and schedule for the production of an engineering product  <b>[9 10 11 12]</b>			Mark	
<b>Total/60</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	

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 60. Enter this total in the relevant box.