

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	Production and manufacturing	Unit Code	F561	Session	Jan / June	Year	2	0		
Centre Name						Centre Number				
Candidate Name						Candidate Number				

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 [0 1 2 3]	Describe different types of manufacturing processes and systems, explain, with limited clarity, the advantages and disadvantages of each type [4 5 6]	Describe different types of manufacturing processes and systems, clearly explain the advantages and disadvantages of each type [7 8 9]				
2.1	Explain CAE, CAM and CNC and identify, with only basic detail, the application of CAE, CAM and CNC within a manufacturing system [0 1 2]	Explain CAE, CAM and CNC and identify, with limited detail, the application of CAE, CAM and CNC within a manufacturing system [3 4]	Explain CAE, CAM and CNC and clearly identify, with reasons and full details, the application of CAE, CAM and CNC within a manufacturing system [5 6]				
3.1	Undertake and record investigations and research into assembly systems and techniques, quality control [0 1 2 3 4 5 6]	Undertake and record detailed investigations and research into assembly systems and techniques, quality control and quality assurance requirements and statistical process control [7 8 9 10 11 12]	Undertake and record thorough investigations and research into assembly systems and techniques, quality control and quality assurance requirements and statistical process control [13 14 15 16 17 18]				

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 [0 1 2 3 4 5]	Produce a limited production plan taking into account assembly systems and techniques, quality control and quality assurance requirements and statistical process control [6 7 8 9 10]	Produce a detailed production plan taking into account assembly systems and techniques, quality control and quality assurance requirements and statistical process control [11 12 13 14 15]				
5.1	Produce, using appropriate software, a basic project plan for an engineering product [0 1 2 3 4]	Produce, using appropriate software, a basic plan and schedule for the production of an engineering product [5 6 7 8]	Produce, using appropriate software, a coherent detailed project plan and schedule for the production of an engineering product [9 10 11 12]			Mark	
Total/60							
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 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.