

Cambridge National in Engineering

OCR Engineering Manufacture Unit R110
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.

Init Title Preparing and planning for manufacture			Unit Code	R110	Series		Year		
Centre Name				Centre	Number				
Candidate Name					Candio	date Number	,		
Marking Criteria – Total Marks for this unit is 60									
Mark Band 1 Mark Band 2 Mark Band 3					Teacher Comment			İ	Page
LO1: Be able to plan for the making of a pre-production product									
With limited accuracy interprets 2 and 3D engineering drawings.	D With some accuracy interprets 2D and 3D engineering drawings.	Accurately interpolengineering drawin			Mark			ark	
Demonstrates a limited understanding of standard drawing conventions.	Demonstrates a sound understanding of standard drawing conventions. Identifies most of the relevant details	Demonstrates a th understanding of s conventions.		g					
Identifies some of the relevant details and requirements appropriate to the making of a pre-production product. and requirements appropriate to the making of a pre-production product. Identifies all relevant details and requirements appropriate to the making of a pre-production product.			_						
1 – 2 ma	rks 3 – 4 marks		5 – 6	marks					
Produces a basic production plan with limited detail and some reference to manufacturing operations. With regular assistant identifies appropriate tools, equipment and manufacturing processes, showing limited consideration of health and safety requirements and quality control checks.	Produces a production plan with adequate detail, showing a sequence of manufacturing operations. With occasional assistance identifies appropriate tools, equipment and manufacturing processes, showing some consideration of health and safety requirements and quality control checks.	Produces a detail showing an effecti manufacturing ope Independently ide tools, equipment a processes with cle health and safety quality control che	ive sequence of erations. entifies approprand manufacturier consideratio requirements ar	iate ng n of			М	ark	
1 – 4 ma	rks 5 – 8 marks		9 – 12	marks.					

LO2: Be able to use pro	Teacher Comment	Page		
Requires regular assistance to apply appropriate working practices when using hand and machine processes. With guidance, uses tools and equipment safely during the making of the product.	Works competently with occasional assistance. Applies appropriate working practices on most occasions when using hand and machine processes. Uses tools and equipment safely with some consistency during the making of the product. Identifies and uses PPE where necessary.	Works independently and competently. Applies appropriate working practices when using hand and machine processes. Consistently uses tools and equipment safely during the making of the product. Identifies and uses PPE where necessary.	Mark	
1 – 4 marks	5 – 8 marks	9 –12 marks		
Produces a pre-production product that meets some of the requirements of the engineering drawing and may be part finished. Produces a basic review of the quality of the product. Draws upon limited skills/knowledge /understanding from other units in the specification.	Completes a pre-production product that meets most of the requirements of the engineering drawing. Produces a review of the quality of the product using some appropriate quality control checks. Draws upon some relevant skills /knowledge/understanding from other units in the specification.	Completes a pre-production product that meets all of the requirements of the engineering drawing. Produces a thorough review of the quality of the product using appropriate quality control checks. Clearly draws upon relevant skills/knowledge/understanding from other units in the specification.	Mark	
1 – 6 marks	7 – 12 marks	13 – 18 marks		

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LO3: Be able to modify a production plan for different scales of production.				Teacher Comment		Page		
Identifies some areas of the production plan that require modification to reflect increascale of production. Sugges limited modifications to the production plan for making product in quantity.	e e ased sts some	Identifies most areas of the proplan that require modification to increased scale of production. No mostly appropriate modification production plan for making the print in quantity.	duction reflect lakes ns to the	Identifies all area plan that require increased scale of appropriate moderns.	s of the production modification to reflect of production .Makes		Mark	
1 – 4 marks		5 – 8 marks		9 – 12 marks				
		•		'	1	Total/60	1	
If this work is a re-sit, please tick	re-sit, please tick Session and Year of previous submission Please tick to indicate thi		Please tick to indicate this work h	as been standardised interna	ally			

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).

Guidance on Completion of this Form

- 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.
- Add the marks for the strands together to give a total out of 60 Enter this total in the relevant box.