

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>Preparing and planning for manufacture</b>	<b>Unit Code</b>	<b>R110</b>	Series 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

Mark Band 1	Mark Band 2	Mark Band 3	Teacher Comment	Page
<b>LO1: Be able to plan for the making of a pre-production product</b>				
<p>With <b>limited</b> accuracy interprets 2D and 3D engineering drawings.</p> <p>Demonstrates a <b>limited</b> understanding of standard drawing conventions.</p> <p>Identifies <b>some</b> of the relevant details and requirements appropriate to the making of a pre-production product.</p> <p style="text-align: right;"><b>1 – 2 marks</b></p>	<p>With <b>some</b> accuracy interprets 2D and 3D engineering drawings.</p> <p>Demonstrates a <b>sound</b> understanding of standard drawing conventions.</p> <p>Identifies <b>most</b> of the relevant details and requirements appropriate to the making of a pre-production product.</p> <p style="text-align: right;"><b>3 – 4 marks</b></p>	<p><b>Accurately</b> interprets 2D and 3D engineering drawings.</p> <p>Demonstrates a <b>thorough</b> understanding of standard drawing conventions.</p> <p>Identifies <b>all</b> relevant details and requirements appropriate to the making of a pre-production product.</p> <p style="text-align: right;"><b>5 – 6 marks</b></p>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <b>Mark</b> </div>	
<p>Produces a <b>basic</b> production plan with <b>limited</b> detail and <b>some</b> reference to manufacturing operations. With <b>regular</b> assistance identifies appropriate tools, equipment and manufacturing processes, showing <b>limited</b> consideration of health and safety requirements and quality control checks.</p> <p style="text-align: right;"><b>1 – 4 marks</b></p>	<p>Produces a production plan with <b>adequate</b> detail, showing a sequence of manufacturing operations. With <b>occasional</b> assistance identifies appropriate tools, equipment and manufacturing processes, showing <b>some</b> consideration of health and safety requirements and quality control checks.</p> <p style="text-align: right;"><b>5 – 8 marks</b></p>	<p>Produces a <b>detailed</b> production plan, showing an effective sequence of manufacturing operations. <b>Independently</b> identifies appropriate tools, equipment and manufacturing processes with clear consideration of health and safety requirements and quality control checks.</p> <p style="text-align: right;"><b>9 – 12 marks.</b></p>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <b>Mark</b> </div>	

LO2: Be able to use processes, tools and equipment safely to make a pre-order product			Teacher Comment	Page
<p>Requires regular assistance to apply <b>appropriate</b> working practices when using hand and machine processes.</p> <p>With guidance, uses tools and equipment safely during the making of the product.</p> <p style="text-align: right;"><b>1 – 4 marks</b></p>	<p>Works <b>competently</b> with occasional assistance. Applies <b>appropriate</b> working practices on most occasions when using hand and machine processes.</p> <p>Uses tools and equipment safely with <b>some consistency</b> during the making of the product. Identifies and uses PPE where necessary.</p> <p style="text-align: right;"><b>5 – 8 marks</b></p>	<p>Works independently and <b>competently</b>. Applies <b>appropriate</b> working practices when using hand and machine processes.</p> <p><b>Consistently</b> uses tools and equipment safely during the making of the product. Identifies and uses PPE where necessary.</p> <p style="text-align: right;"><b>9 –12 marks</b></p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <b>Mark</b> </div>	
<p>Produces a pre-production product that meets <b>some</b> of the requirements of the engineering drawing and may be part finished. Produces a <b>basic</b> review of the quality of the product.</p> <p>Draws upon <b>limited</b> skills/knowledge /understanding from other units in the specification.</p> <p style="text-align: right;"><b>1 – 6 marks</b></p>	<p>Completes a pre-production product that meets <b>most</b> of the requirements of the engineering drawing. Produces a review of the quality of the product using <b>some appropriate</b> quality control checks.</p> <p>Draws upon <b>some relevant</b> skills /knowledge/understanding from other units in the specification.</p> <p style="text-align: right;"><b>7 – 12 marks</b></p>	<p>Completes a pre-production product that meets <b>all</b> of the requirements of the engineering drawing. Produces a <b>thorough</b> review of the quality of the product using <b>appropriate</b> quality control checks.</p> <p><b>Clearly</b> draws upon <b>relevant</b> skills/knowledge/understanding from other units in the specification.</p> <p style="text-align: right;"><b>13 – 18 marks</b></p>	<div style="border: 1px solid black; width: 50px; height: 50px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <b>Mark</b> </div>	

LO3: Be able to modify a production plan for different scales of production.					Teacher Comment	Page
Identifies <b>some</b> areas of the production plan that require modification to reflect increased scale of production. Suggests some <b>limited</b> modifications to the production plan for making the product in quantity.	Identifies <b>most</b> areas of the production plan that require modification to reflect increased scale of production. Makes <b>mostly appropriate</b> modifications to the production plan for making the product in quantity.	Identifies <b>all</b> areas of the production plan that require modification to reflect increased scale of production. Makes <b>appropriate</b> modifications to the production plan for making the product in quantity.			<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Mark</div>	
<b>1 – 4 marks</b>	<b>5 – 8 marks</b>	<b>9 – 12 marks</b>	<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	

### 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 60 Enter this total in the relevant box.