

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>Engineering applications of computers</b>	<b>Unit Code</b>	<b>F550</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 1.2 1.3 1.4	<p>Has examined modern domestic product which contains an embedded computer control system. In the context of this product has demonstrated some understanding of how computers are used in a work setting to: Design new parts, for production and stock control</p> <p>Made some reference to the use of digital Technologies</p> <p style="text-align: right;"><b>[0 1 2 3 4]</b></p>	<p>Has investigated and examined a modern domestic product which contains an embedded computer control system. In the context of this product has demonstrated an understanding of how computers are used in a work setting to: Design new parts, for production, process control, stock control, finance control and maintenance</p> <p>Made some reference to the use of digital technologies</p> <p style="text-align: right;"><b>[5 6 7 8]</b></p>	<p>Has independently investigated and thoroughly examined a modern domestic product which contains an embedded computer control system. In the context of this product has demonstrated a thorough understanding of how computers are used in a work setting to: Design new parts, for production, process control, stock control, finance control and maintenance</p> <p>Made thorough reference to the use of digital technologies</p> <p style="text-align: right;"><b>[9 10 11 12]</b></p>				
2.1 2.2 2.3 2.4 2.5	<p>Has developed basic understanding of simple computer control systems. Has simulated simple control functions of the chosen modern domestic product</p> <p style="text-align: right;"><b>[0 1 2 3 4 5 6]</b></p>	<p>Has developed limited understanding of simple computer control systems. Has simulated complicated control functions of the chosen modern domestic product</p> <p style="text-align: right;"><b>[7 8 9 10 11 12]</b></p>	<p>Has developed thorough understanding of simple computer control systems. Has simulated complex control functions of the chosen modern domestic product</p> <p style="text-align: right;"><b>[13 14 15 16 17 18]</b></p>			Mark	

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<b>Marking Criteria – total marks for this unit is 60</b>								<b>Teacher Comment</b>			<b>Page</b>		
<b>Ref</b>	<b>Band 1</b>	<b>Band 2</b>			<b>Band 3</b>			<b>Mark</b>					
3.1 3.2 3.3 3.4 3.5	Has demonstrated basic knowledge and understanding of simple expert systems for problem solving and maintenance operations and has considered these in the context of the chosen domestic product	Has demonstrated limited knowledge and some understanding of simple expert systems for problem solving and maintenance operations and has considered these in the context of the chosen domestic product  Has detailed methods used to input appropriate data into an expert system. Can record the output and adjust features to match requirements			Has demonstrated thorough knowledge and understanding of simple expert systems for problem solving and maintenance operations and has considered these in the context of the chosen domestic product  Has explained in detail the methods used to input appropriate data into an expert system. Can accurately record the output and adjust the correct features to match the requirements								
	<b>[0 1 2 3 4 5 6]</b>	<b>[7 8 9 10 11 12]</b>			<b>[13 14 15 16 17 18]</b>								
4.1	Can explain the use of simple computer-based communication systems used to exchange data during the design and manufacturing of the chosen modern domestic product	Can identify and explain the use of computer based communication systems used to exchange data during the design and manufacturing and maintenance of the chosen modern domestic product			Can independently identify and explain the use of computer-based communication systems used to exchange data during the design and manufacturing and maintenance of the chosen modern domestic product			<b>Mark</b>					
	<b>[0 1 2 3 4]</b>	<b>[5 6 7 8]</b>			<b>[9 10 11 12]</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					

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.