

**OCR J810/J820 Unit R009 Level 1/Level 2
Cambridge Nationals Certificate/Diploma in ICT
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.											
Unit Title	Exploring computer hardware and networks					Unit Code	R009	Session	Jan/June/Nov	Year	2 0
Centre Name								Centre Number			
Candidate Name								Candidate Number			
Criteria							Teacher Comments		Mark	Page No.	
LO1: Be able to select computer system devices and platforms¹											
MB1: 1 - 4 marks		MB2: 5 - 7 marks		MB3: 8 - 9 marks							
Selects some computer devices with limited reference to user requirements. [1 2 3 4]		Selects appropriate computer devices to meet some of the general and specialist user requirements. [5 6 7]		Selects appropriate computer devices to fully meet the general and specialist user requirements. [8 9]							
MB1: 1 - 4 marks		MB2: 5 - 8 marks		MB3: 9 - 11 marks							
Describes the choices made, demonstrating a basic understanding of the use and function of some computer components and/or devices. [1 2 3 4]		Largely justifies the choices made demonstrating a sound understanding of the use and function of a range of computer components and devices. [5 6 7 8]		Fully justifies the choices made demonstrating a detailed understanding of the use and function of a wide range of computer components and devices. [9 10 11]							

Criteria			Teacher Comments	Mark	Page No.
LO2: Be able to devise network solutions ^{2 3 4}					
MB1: 1 - 6 marks	MB2: 7 - 11 marks	MB3: 12 - 15 marks			
<p>Produces a basic plan for the network which partly meets the user requirements.</p> <p>Suggests some network components.</p> <p style="text-align: right;">[1 2 3 4 5 6]</p>	<p>Produces a sound plan for the network which meets most of the user requirements.</p> <p>Suggests some appropriate network components describing their purpose.</p> <p style="text-align: right;">[7 8 9 10 11]</p>	<p>Produces an accurate and detailed plan for the network which fully meets the user requirements.</p> <p>Defines and justifies the appropriate choice of network components clearly and accurately.</p> <p style="text-align: right;">[12 13 14 15]</p>			
MB1: 1 - 4 marks	MB2: 5 - 7 marks	MB3: 8 - 10 marks			
<p>Proposes network topologies with some relevance to the user requirements.</p> <p>Gives a basic description of relevant LAN and WAN services for the proposed network.</p> <p style="text-align: right;">[1 2 3 4]</p>	<p>Proposes appropriate topologies which in the most part meet user requirements, describing the format of device addresses to be used on the network.</p> <p>Defines appropriate LAN and WAN services for the proposed network.</p> <p style="text-align: right;">[5 6 7]</p>	<p>Proposes and justifies appropriate topologies to meet user requirements, with a detailed explanation of how IP addresses could be assigned.</p> <p>Distinguishes accurately between LAN and WAN services appropriate for the proposed network.</p> <p style="text-align: right;">[8 9 10]</p>			

Criteria					Teacher Comments	Mark	Page No.
LO3: Be able to identify and solve hardware and network problems⁵							
MB1: 1 - 5 marks		MB2: 6 - 10 marks		MB3: 11 - 15 marks			
<p>Presents a limited range of troubleshooting activities which have some relevance to requirements, by selecting some problems that are likely to be encountered and producing a limited range of possible solutions.</p> <p>The information has limited structure.</p> <p>Errors of grammar, punctuation and spelling are intrusive and likely to impact on the meaning.</p> <p>Draws upon limited skills/knowledge/understanding from other units in the specification.</p> <p style="text-align: right;">[1 2 3 4 5]</p>		<p>Presents a range of troubleshooting activities which have some relevance to requirements, by selecting some problems that are likely to be encountered and producing a range of possible solutions.</p> <p>Organises most of the information clearly to enable the user to locate solutions to specific problems.</p> <p>Uses technical terminology that is sometimes accurate and appropriate. Occasional errors in grammar, punctuation and spelling will not affect the overall meaning.</p> <p>Draws upon some relevant skills/knowledge/understanding from other units in the specification.</p> <p style="text-align: right;">[6 7 8 9 10]</p>		<p>Presents a wide range of troubleshooting activities that are relevant to requirements, by selecting problems that are likely to be encountered and producing a wide range of possible solutions.</p> <p>Organises all of the information clearly to enable the user to easily locate solutions to specific problems.</p> <p>Uses any technical terminology accurately and appropriately. There are few, if any, errors in spelling, punctuation and grammar.</p> <p>Clearly draws upon relevant skills/knowledge/understanding from other units in the specification.</p> <p style="text-align: right;">[11 12 13 14 15]</p>			
Total 60/							
If this is a re-sit, please tick		Session and Year of previous submission		Jan/June/Nov	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 also 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.