

Please read the instructions printed on the other side of this form. **One** of these Unit Recording Sheets, suitably completed, should be attached to the assessed work of **each** candidate.

Unit	B065	Coding a solution	Year	2	0		
Centre Name			Centre Number				
Candidate Name			Candidate Number				

	Guidance			Teacher Comment	Location of evidence	Mark
Analysis	<ul style="list-style-type: none"> • basic information covering the system requirements and about existing solutions will have been identified and collected • there will be some evidence of planning • a simple design specification with information requirements identified • some hardware and/or software will be specified <p style="text-align: right;">[0 - 3]</p>	<ul style="list-style-type: none"> • there will be planning and a design specification explaining how the proposed solution matches the requirements of the problem including some reference to suitable hardware and/or software • there will be some mention of success criteria • existing solutions will have been identified and analysed <p style="text-align: right;">[4 - 7]</p>	<ul style="list-style-type: none"> • there will be a justified design specification including justification for the recommended hardware and software • the design specification will include user requirements with a detailed plan of the proposed solution • there will be detailed measureable success criteria • existing solutions will have been identified and analysed <p style="text-align: right;">[8 - 10]</p>			Max 10
Design	<p>A few brief comments on some of the elements of:</p> <ul style="list-style-type: none"> • the solution • the proposed overall solution and how it solves the problem • there will be evidence of design for at least some of the elements • there will be some mention of how the solution will be tested <p style="text-align: right;">[0 - 4]</p>	<ul style="list-style-type: none"> • a description of how the proposed solution solves the problem but with incomplete or faulty algorithms • there will be some evidence of design eg screen layouts or user interaction • there will be some evidence of how the solution will be tested to be fit for purpose <p style="text-align: right;">[5 - 8]</p>	<ul style="list-style-type: none"> • there will be a description of how the solution solves the problem including detailed algorithms • there will be detailed designs for a range of elements as well as screen layouts • there will be a clear test plan explaining how the solution will be tested against the success criteria <p style="text-align: right;">[9 - 12]</p>			Max 12

Use of coding features	<ul style="list-style-type: none"> • some evidence that some of the standard structures and variables have been used to produce a limited attempt at a solution to the problem • the code will not form a working solution to the problem; there may be a functional solution to a small part of the problem <p style="text-align: right;">[0 - 4]</p>	<ul style="list-style-type: none"> • there will be evidence of standard constructs being used but these may not be used efficiently and not always the most appropriate choice • a range of variable types will be used but not always the most appropriate choice • loop conditions may not be appropriate leading to inefficient or partially functional solutions <p style="text-align: right;">[5 - 8]</p>	<ul style="list-style-type: none"> • standard programming constructs will be used effectively, with evidence of suitable select statements and loop structures used appropriately • variables will be given meaningful names and the type will be appropriate to the use • suitably typed and named arrays will be used appropriately in the solution <p style="text-align: right;">[9 - 11]</p>			Max 11
Development of overall solution	<ul style="list-style-type: none"> • some evidence of development of a partial solution related to the design <p style="text-align: right;">[0 - 3]</p>	<ul style="list-style-type: none"> • evidence to show the development of a solution • they will have commented on how successful, or otherwise, they were in following their plan including sufficient detail to demonstrate the process • the code will provide a partially functional solution to the whole problem, but with significant inefficiencies or minor errors <p style="text-align: right;">[4 - 5]</p>	<ul style="list-style-type: none"> • there will be fully detailed evidence of development for a fully functional solution • there will be a full and critical discussion of how successful they were in following the plan and any modifications, improvements or other changes deemed necessary to this plan • they will provide a clear and detailed commentary on the process • the code will produce an efficient solution to the problem <p style="text-align: right;">[6 - 7]</p>			Max 7
Testing	<ul style="list-style-type: none"> • some evidence of testing in the form of output from the system but with no real structure • limited evidence of testing by others • testing will be limited to a single situation <p style="text-align: right;">[0 - 3]</p>	<ul style="list-style-type: none"> • there is evidence of testing covering aspects of the design specification • there is some evidence of testing by others • the system will have been tested on more than one computer system <p style="text-align: right;">[4 - 7]</p>	<ul style="list-style-type: none"> • the testing covers as many different paths through the system as is feasible, including normal, abnormal and extreme cases • the testing covers all aspects of the design • there is clear evidence of testing by others • the system will have been tested in various situations and evaluated for use in the target situation <p style="text-align: right;">[8 - 10]</p>			Max 10

Evaluation	<ul style="list-style-type: none"> • some description of what the system can do with limited reference to test evidence • there will be some comments on others' and their own input into group work • the evaluation may be simplistic with little or no relevance • there will be little or no use of specialist terms • errors of grammar, punctuation and spelling may be intrusive 	<ul style="list-style-type: none"> • there is some description of what the system can do and limitations of the system supported by test evidence • this description will be related back to the design specification • they will have commented on their own and others' contribution to any group work and how it was useful • for the most part the information will be relevant and presented in a structured and coherent format • specialist terms will be used appropriately and for the most part correctly • there may be occasional errors in grammar, punctuation and spelling 	<ul style="list-style-type: none"> • there is a full description of what the system can do covering all aspects of the design specification • limitations of the system will be identified and there will be evidence to show how these have been, or could be, dealt with following the testing stage • they will provide an evaluation on their own and others' contribution to any group activities • the evaluation will be relevant, clear, organised and presented in a structured and coherent format • specialist terms will be used correctly and appropriately • there will be few, if any, errors in grammar, punctuation and spelling 			Max 10
	[0 - 3]	[4 - 7]	[8 - 10]	Total/60		

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). Please complete one *Centre Authentication Form* (CCS160) for each unit and forward to the moderator with your sample.

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 Using the guidance identify the most appropriate mark range for the work and enter the mark awarded for each element in the mark column .
- 4 Add appropriate comments to assist the moderator in the 'Teacher Comment' column.
- 5 Add the marks for the strands together to give a total out of 60. Enter this total in the relevant box.