

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 some evidence of planning a simple design specification with information requirements identified some reference to any necessary additional hardware or software <p style="text-align: right;">[0 - 3]</p>	<ul style="list-style-type: none"> the system requirements and existing solutions will have been identified and analysed planning and a design specification explaining how the proposed solution matches the requirements of the problem including some reference to hardware and/or software some mention of success criteria <p style="text-align: right;">[4 - 7]</p>	<ul style="list-style-type: none"> the system requirements and existing solutions will have been identified and analysed in detail a justified design specification including a detailed plan of the proposed solution a full justification for any recommended hardware and software detailed measureable success criteria <p style="text-align: right;">[8 - 10]</p>			Max 10
Design	<ul style="list-style-type: none"> comments on some of the elements of the proposed solution and how it solves the problem evidence of design for at least some of the elements 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 solution solves the problem but with incomplete or faulty algorithms some evidence of design eg screen layouts or user interaction 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"> a description of how the solution solves the problem including detailed algorithms detailed designs for a range of elements as well as screen layouts 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"> • 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"> • fully detailed evidence of development for a fully functional solution • 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 • 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 in more than one situation <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 • 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).

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.

