GCSE ICT - Controlled Assessment

GCSE J461- Unit B065 Coding a solution
Unit Recording Sheet

OCR RECOGNISING ACHIEVEMENT

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	• 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 **[0 - 3]**	• 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 **[4 - 7]**	• 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 **[8 - 10]**			**Max 10**
Design	• 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 **[0 - 4]**	• 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 **[5 - 8]**	• 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 **[9 - 12]**			**Max 12**

Use of coding features	• 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 **[0 - 4]**	• 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 **[5 - 8]**	• 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 **[9 - 11]**			**Max 11**
Development of overall solution	• some evidence of development of a partial solution related to the design **[0 - 3]**	• 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 **[4 – 5]**	• 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 **[6 - 7]**			**Max 7**
Testing	• 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 **[0 - 3]**	• 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 **[4 - 7]**	• 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 **[8 - 10]**			**Max 10**

						Max 10
Evaluation	• 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 **[0 - 3]**	• 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 **[4 - 7]**	• 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 **[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.