

Entry Level Certificate in Computer Science Examination Information

Course Overview:

Subject content

- Computer hardware
- Computer software
- Computer memory and storage
- Moral, legal, and environmental concerns
- Computational logic
- Algorithms
- Programming techniques
- Data Representation

Subject	Exam board	Exam Board Specification Title	Link to specification
Entry Level Certificate in Computer Science	OCR	COMPUTER SCIENCE R354	Specification

Assessment:

Computer Systems	
40% of total marks 40 marks 2 × 30 minutes tests	This section consists of four broad sections. OCR set tests must be taken after teaching a set of sections as listed below: Computer Systems Test 1 (CS1)/Test 3 (CS3) <ul style="list-style-type: none">• Computer hardware• Computer software Computer Systems Test 2 (CS2)/Test 4 (CS4)• Computer memory and storage• Moral, legal, cultural and environmental concerns In preparation for the assessment, teachers must allow sufficient teaching time to increase the learner's depth of knowledge and understanding.

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	<p>You must use a single set of tests for submission and cannot combine different tests for submission.</p> <p>The tests are available for download from OCR Interchange from September 2016. Teachers must use the mark schemes provided by OCR to mark the tests. All sections of the content as listed above should be submitted to OCR together for certification. September 2016. Teachers must use the mark schemes provided by OCR to mark the tests. All sections of the content as listed above should be submitted to OCR together for certification.</p>
Computational thinking, algorithms and programming	
<p>40% of total marks 40 marks 2 × 30 minutes tests</p>	<p>This section consists of four broad sections. OCR set tests must be taken after teaching a set of sections as listed below: Computational thinking, algorithms and programming Test 1 (CTAP1)/Test 3 (CTAP3)</p> <ul style="list-style-type: none"> • Computational logic • Algorithms Computational thinking, algorithm and programming Test 2 (CTAP2)/Test 4 (CTAP4) • Programming techniques • Data representation <p>In preparation for the assessment, teachers must allow sufficient teaching time to increase the learner's depth of knowledge and understanding.</p> <p>You must use a single set of tests for submission and cannot combine different tests for submission.</p> <p>The tests are available for download from OCR Interchange from September 2016. Teachers must use the mark schemes provided by OCR to mark the tests. All sections of the content as listed above should be submitted to OCR together for certification.</p>
Programming project	
<p>20% of total marks 20 marks</p>	<p>Learners complete a programming project using any suitable programming language which allows learners to access all of the programming techniques as listed within the subject content. This may be:</p> <ul style="list-style-type: none"> • Drag and drop, for example: • Scratch

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- Gamemaker
- Greenfoot
- BYOB
- AppInventor
- **Textually derived, for example:**
- Python
- Small Basic
- Visual Basic/.NET
- Java Script
- Java
- C# or other C family language
- BASH
- Delphi/Pascal/Lazarus

The task must be chosen from three programming projects provided by OCR. It is expected that learners will be familiar with the range of programming techniques listed within the specification before attempting the Programming Project.

In addition to the time spent completing the task, there should also be further teaching time to increase the learner's depth of knowledge and understanding in preparation for the internal assessment.

The programming task is internally assessed and externally-moderated.