

Structure of Exam GCSE Computer Science (9-1) - J276 (from 2016)

There are 2 papers. Each paper is worth 40% of final qualification.

How long is each paper - 1 hour 30 minutes

Calculator are not allowed.

The Programming project is worth 20% of the final qualification.

Content of papers:

Component 01: Computer systems

Introduces students to the Central Processing Unit (CPU), computer memory and storage, wired and wireless networks, network topologies, system security and system software. It also looks at ethical, legal, cultural and environmental concerns associated with computer science.

Component 02: Computational thinking, algorithms and programming

Students apply knowledge and understanding gained in component 01. They develop skills and understanding in computational thinking: algorithms, programming techniques, producing robust programs, computational logic, translators and data representation. The skills and knowledge developed within this component will support the learner when completing the Component 03 Programming Project.

Exam Paper Links	Useful revision books/ Websites
<p>2018 will be the first year of the new specification examinations. Sample exam papers can be found on the OCR website http://www.ocr.org.uk/qualifications/gcse-computer-science-j276-from-2016/assessment/bsite</p>	<ul style="list-style-type: none"> • New GCSE Computer Science OCR Revision Guide For the Grade 9-1 Course • New GCSE Computer Science OCR Exam Practice Workbook For the Grade 9-1 Course (includes answers) • https://www.bbc.co.uk/education/subjects/z34k7ty
Easter Revision Activities	Tips to Answer Extended Questions
<ol style="list-style-type: none"> 1. Topic Revision Sheets and activities. 2. New GCSE Computer Science OCR Revision Guide For the Grade 9-1 Course 	<p>In the answer, candidates need to consider the impact on the following:</p> <ul style="list-style-type: none"> • Stakeholders • Technology • Environmental issues • Ethical issues <p>Mark Band 3-High Level (6-8 marks)</p> <p>The candidate demonstrates a thorough knowledge and understanding of a wide range of considerations in relation to the question; the material is generally accurate and detailed.</p> <p>The candidate is able to apply their knowledge and understanding directly and consistently to the context provided. Evidence/examples will be explicitly relevant to the explanation.</p> <p>The candidate is able to weigh up both sides of the discussion and includes reference to the impact on all areas showing thorough recognition of influencing factors. There is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated.</p>