

Success for GCSE Computer Science

Exam Board: OCR

Course code: J277

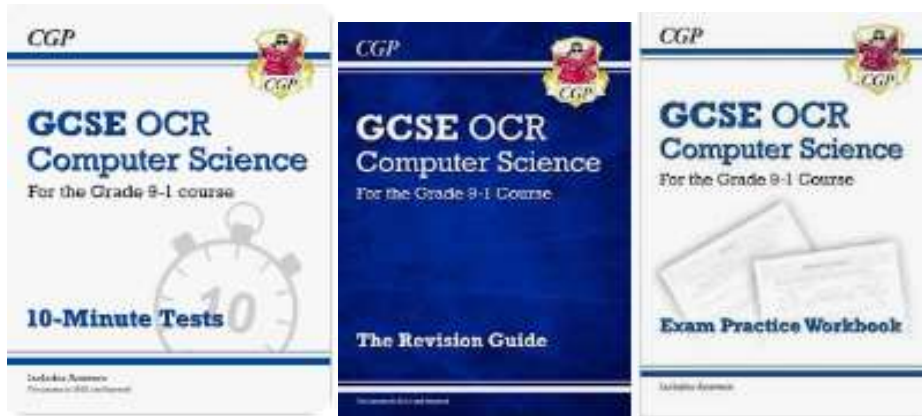
Course Structure:

Content Overview	Assessment Overview
<p>J277/01: Computer systems</p> <p>This component will assess:</p> <ul style="list-style-type: none">• 1.1 Systems architecture• 1.2 Memory and storage• 1.3 Computer networks, connections and protocols• 1.4 Network security• 1.5 Systems software• 1.6 Ethical, legal, cultural and environmental impacts of digital technology	<p>Written paper: 1 hour and 30 minutes 50% of total GCSE 80 marks</p> <p>This is a non-calculator paper.</p> <p>All questions are mandatory.</p> <p>This paper consists of multiple choice questions, short response questions and extended response questions.</p>
<p>J277/02: Computational thinking, algorithms and programming</p> <p>This component will assess:</p> <ul style="list-style-type: none">• 2.1 Algorithms• 2.2 Programming fundamentals• 2.3 Producing robust programs• 2.4 Boolean logic• 2.5 Programming languages and Integrated Development Environments	<p>Written paper: 1 hour and 30 minutes 50% of total GCSE 80 marks</p> <p>This is a non-calculator paper.</p> <p>This paper has two sections: Section A and Section B. Students must answer both sections.</p> <p>All questions are mandatory.</p> <p>In Section B, questions assessing students' ability to write or refine algorithms must be answered using either the OCR Exam Reference Language or the high-level programming language they are familiar with.</p>

Text books:

Students should be spending at least 1 hour per week revising content or working on any gaps in knowledge. The biggest gains come from practising questions. Each of the books below have lots of exam practice questions with mark schemes included.





Homework: **SMART REVISION**

We use a platform called **Smart revise** which is an online revision tool, designed to help students beat the forgetting curve and ensure they are well-prepared for their exams. At least 1 hour worth of questions is set each week.

Websites:

- OCR.org.uk - specification and past exam papers
- <https://www.csnewbs.com/>
- www.bbc.co.uk/bitesize/
- W3schools - learning/revision for python programming
- <https://revisecs.csuk.io/6-a-day-lite/>
- Time2code.today
- Code academy - learn python

Youtube Channels:

MrBrownCS
@ComputerScienceTutor · 58.8K subscribers · 402 videos
I'm a Head of Computing at an 11-18 secondary school in London currently teaching GCSE...
<https://bookboon.co.uk/secondary-books/gcse-computer-science-copy41-pyhton-pr...> and 2 more links
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