

Computer Science

Exam board: OCR

Link to specification:

<https://www.ocr.org.uk/Images/558027-specification-gcse-computer-science-j277.pdf>

2026-27 Y11 Mock Exams

Title and length of paper(s):

Paper 1 - Computer Systems – 90 minutes

Paper 2 - Computational Thinking, Algorithms and Programming – 90 minutes

Style(s) of question:

Paper 1 – Multiple-choice questions, short response questions and extended response questions.

Paper 2 – Additional section testing student ability to write or refine algorithms, must be answered using either the OCR exam reference language, or similar high-level language (Python)

From the last 2 weeks of September, students will be given a weekly programme to structure and focus their revision. They will be given specific techniques to use, along with a schedule of in-lesson activities to check their retention.

Knowledge to be assessed	Revision resources
Computer systems This component will assess: • 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 Computational thinking, algorithms and programming This component will assess: • 2.1 Algorithms • 2.2 Programming fundamentals • 2.3 Producing robust programs • 2.4 Boolean logic	GCSE Computer Science Knowledge Organiser Smart revise https://smartrevise.online/Account/Login Seneca https://senecalearning.com/en-GB/blog/free-ocr-computer-science-gcse-revision/ Revision guides Craig N Dave videos on YouTube https://www.youtube.com/@craigndave/playlists?view=50&sort=dd&shelf_id=2 Using Cornell notes built up during the course.