



Course: OCR Computer Science J277

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

Course Overview

The course is split into two parts – Computer Systems and Computational thinking, algorithms and programming.

Computer systems covers systems architecture, memory and storage, networks, connections and protocols, network security, systems software and ethical, legal, cultural and environmental impacts of digital technology.

Computational thinking, algorithms and programming covers algorithms, programming fundamentals, producing robust programs, Boolean logic and programming languages and integrated development environments.

There are two written exams which students sit at the end of year 11.

Paper 01: Computer Systems	Written exam 1hr 30min	24 th May 2022
Paper 02: Computational thinking, algorithms and programming	Written exam 1hr 30min	6 th June 2022

MAD – Making a Difference session

All students have one extra lesson per fortnight. Dedicated exam revision sessions for all students will take place after February half term

Useful Resources

- All OCR endorsed Computer Science Revision books
- <https://www.bbc.co.uk/bitesize/examspecs/zmtchbk?scriybrkr=3be6cd3a>
- <https://www.csnewbs.com/ocr-gcse>
- <https://isaacomputerscience.org/topics?examBoard=all&stage=gcse>
- https://teach-ict.com/2016/GCSE_Computing/OCR_J277/OCR_J277_home.html

Learn Python

- <https://teachcomputerscience.com/python-resources/>
- <https://www.learnpython.org/>
- <https://www.codecademy.com/learn/learn-python>
- <https://www.python.org/about/gettingstarted/>