

**Computer Science- Exam Board: OCR**

**Subject Overview (coursework/exam split, timings, weightings etc.):**

2 papers each 1 ½ hours 50/50 weighting.

Paper 1 – Comp 1 – Computer Systems 80 Marks

Paper 2 Comp 2 – Computational Thinking, algorithms and programming 80 Marks

**Key Topics:**

**Component 01: Computer systems**

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.

**Useful websites:**

Quizlet – Flashcards

BBC Bitesize – revision and tests

Teach-ict.com – Revision and Tests

Code academy – coding skills

Code. Org – coding skills

**Useful resources:**

GCSE Computer Science - Pocket Posters: The Pocket-Sized Revision Guide

<https://www.daydreameeducation.co.uk/gcse-computer-science-pocket-poster-revision-guide>

CGP: New GCSE Computer Science OCR Revision Guide - for the Grade 9-1 Course

[https://www.cgpbooks.co.uk/Student/books\\_gcse\\_cs](https://www.cgpbooks.co.uk/Student/books_gcse_cs)

**Useful revision tips:**

Flashcards for all your key terminology (lists were given out in lesson or use quizlet app)

Body pegs (remember your hand for your Registers!)

Condensers (try to fit all your knowledge of a key topic onto 1 page, swap and see what is missing)

Pseudocode (write it in English then translate to Pseudo)

Past papers (<https://www.ocr.org.uk/qualifications/past-papers/>)