



Curriculum Map 2023-24

GCSE Computer Science

As a GCSE option subject, students will receive five lessons of Computer Science a fortnight. Students opting for this subject will cover the following:
Exam Specification: OCR - Computer Science GCSE (J277)

Paper 1 - Computer Systems

This paper covers the theory of the Computer Science course. This is broken down into eight sections:

- 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

Paper 2 - Computational Thinking, Algorithms and Programming

This paper covers the practical element of the Computer Science course. This is broken down into six sections:

- 2.1 Algorithms
- 2.2 Programming Fundamentals
- 2.3 Producing Robust Programs
- 2.4 Computational Logic
- 2.5 Programming Languages and Integrated Development Environments