GCSE Computer Science Curriculum Overview - Academic Year 2025-2026

10 GCSE	Four Stage Model Input and Output Devices Hardware / Software Computer Systems and Architecture Data Representation Memory and Storage Data Storage Capacities	Python Programming Data Types Repetition / Recursion Networking Algorithms Systems Security	Systems Software Operating Systems Utility Software Applications Software Ethical, Legal, Cultural and Environmental Issues	Pseudocode and Flowcharts Python programming Techniques Boolean Logic and Gates	Searching and Sorting and implementation in Python Revision and Exam techniques	The Internet Wired and Wireless networks
11 GCSE	Computational Thinking Computational Logic Python Programming Network Threats Exam Technique E-Waste Year 10 recap	Exam Technique Algorithms Defensive Design – Producing Robust Programs Computer Networks and Protocols and Layers Email	System Security Python Functions and Subprograms Python Lists and manipulations Exam Technique	Exam Revision Exam Technique	Exam Revision	

NOTE: The timings may vary due to the needs of individual students and classes, but it is envisaged that all classes will cover the curriculum above.