COMPUTER SCIENCE

Course Details

Computer Science is a modern, fascinating subject. The world depends on computers. In this GCSE you will learn about how computers work, the networks they use and how programming can create solutions to everyday problems and future challenges.

Component 01: Computer systems (Exam 1 - 50%)
Introduces students to the central processing unit (CPU), computer memory and storage, data representation, 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 (Exam 2 – 50%)
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 and translators.

Practical Programming
Students are to be given the opportunity to undertake a programming task/ tasks during their course of study which allows them to develop their skills to design, write, test and refine programs using a high-level programming language. Students will be assessed on these skills during the written examinations.

Course Type/exam board:

GCSE // OCR

Course Availability

Compulsory?   NO

Option for all?   YES

What subjects combine well with Computer Science?

Any other subjects fit well, but especially IT, Sciences and Maths.

Student View

"Studying Computer Science lets you to solve complex, challenging problems, enabling you to make a positive difference in the world."

How is GCSE Computer Science assessed?

Assessment	% of GCSE
Examination	100