COMPUTING

WHY CHOOSE COMPUTER SCIENCE?

You can be part of an exciting new course that will open doors to endless opportunities. Our A Level Computer Science qualification will inspire and challenge students to apply the knowledge they gain with the creative and technical skills they acquire. The qualification focuses on programming, builds on GCSE Computer Science and emphasises the importance of computational thinking as a discipline. There is also a maths focus, much of which is embedded within the course. Computational thinking will be at the core of all the work.

COURSE DETAILS:

The following two areas are studied at AS and A Level:

• Programming and system development

• Computer architecture, data, communication and applications

Each component will be a traditionally marked and structured question paper and will include a mix of question types: short-answer, longer-answer, and levels of response mark-scheme-type questions.
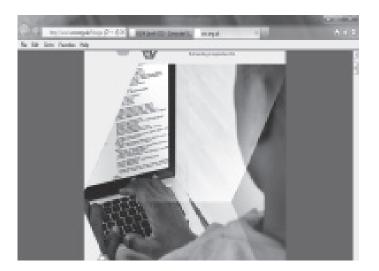
A LEVEL COMPUTER SCIENCE

Programming project

At A Level students select their own user-driven problem of an appropriate size and complexity to solve. This will enable them to demonstrate the skills and knowledge necessary to meet the assessment objectives. Students will need to analyse the problem, design a solution, implement the solution and give a thorough evaluation.

ENTRY REQUIREMENTS

A GCSE in Computer Science is essential, preferably at Grade 6 or above.

RELATED SUBJECTS

Logical thinking, problem solving and a mathematical brain are all desirable qualities for Computer Science students. Benefits will be noticed for students also studying Mathematics and some theoretical concepts could be closely related to the Business Studies curriculum.

HIGHER EDUCATION AND CAREER OPTIONS

"Computer Science opens the door to the future." There are many benefits that will be recognised by a wide range of employers and Higher Education institutions for students possessing a good A Level Computer Science qualification.

Specifically, for those wishing to pursue similar careers to computer programmer, graphic designer, architect, IT support, systems analyst, engineering, project management or any other career or course related to the use and understanding of computers in a technical sense.

Head of Department - Miss S Cooper   Exam Board - EDUQAS