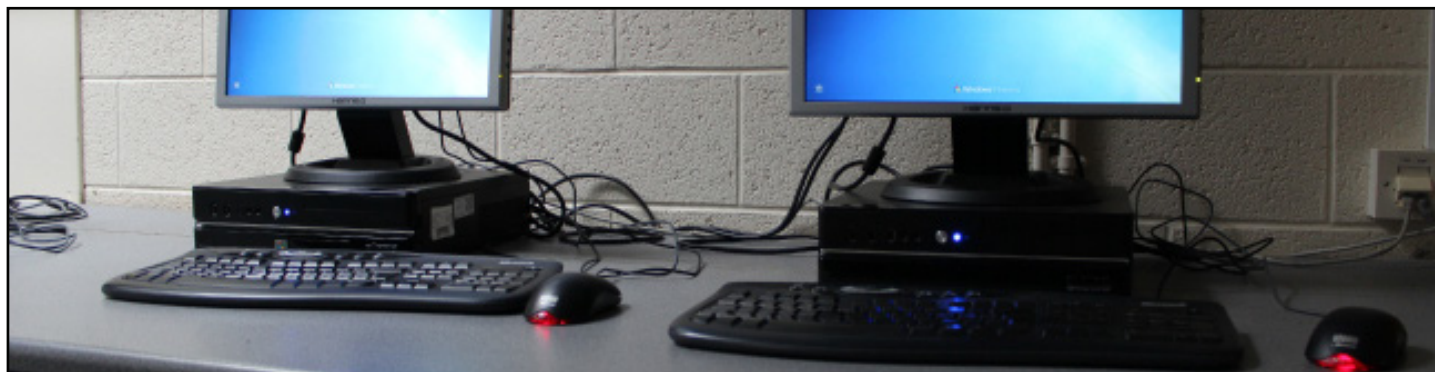


ICT & COMPUTING

A Level Computer Science



Examination Board: OCR
Subject Leader(s): Mrs S Bromley



Course Structure

Unit	Topics/Unit Title	Assessment	A Level (%)
1	Computer Systems	Exam	40%
2	Algorithms and Programming	Exam	40%
3/4	Programming Project	Coursework	20%

What does the course involve?

- The characteristics of contemporary processors, input, output and storage devices
- Software and software development
- Exchanging data
- Data types, data structures and logarithms
- Legal, moral, cultural and ethical issues
- Elements of computational thinking
- Problem solving and programming
- Algorithms to solve problems and standard algorithms

You will also work through a computing problem by analysing the problem, designing the solution, developing the solution and evaluating it.

Further Study/Employment Prospects

If you want to go on to take computing studies at degree level, or if you are considering employment in the field of computer science, this A level provides a superb preparation.

Computer Science is a forward-looking area that offers excellent prospects. All industries use computers so naturally computer scientists can work in any field. Problems in so many other areas can be solved by computers so it's up to the computer scientist to figure out how, and design the software to apply the solution.

Entry Requirements

Grade 5 in Computer Science and a grade 5 in Maths

A logical mind, to enable you to understand and use programming languages.

A step-by-step approach to problem solving.

The ability to work independently and to keep to deadlines.