

Computer Science

What will I learn?

In computer science you will learn:

- About current and emerging technologies.
- How to write computer programs in Python.
- Creative and technical skills.
- The impact and issues relating to computer technology.

Students are required to complete one 'programming' task as part of the course. The programming project (non-examined assessment) is set by the exam board and will cover areas on analysis, design, development, testing, evaluation and conclusions. This will teach skills that are tested in the exams.

What skills do I need?

It helps to have good mathematical and logical skills but it most important that you enjoy working with computers and creating technical things with computers. Some experience of programming is useful but not essential.

Assessment

Examination

- J277/01: Computer systems | 1 hour 30 mins | 50%
- J277/02: Computational thinking, algorithms and programming | 1 hour 30 mins | 50%

Could lead to:

There are lucrative opportunities to use computer science skills to help society in really interesting and rewarding careers. Computer scientists work in a vast number of areas from programming Formula One cars to designing artificial organ systems that train medics. With the knowledge that you've really enjoyed this course you would be in a great position to take a whole range of A-levels before following a degree course. Alternatively you could seek out apprenticeships or vocational courses that develop your computing skills.