

COWLEY

SIXTH FORM COLLEGE

BTEC COMPUTING AAQ

COMPUTING

Overview

BTEC Level 3 Computing is concerned both with computers and computer systems – how they work and how they are designed, constructed, and used. The core study of computing encompasses programming languages, data structures, algorithms, and the underlying science of information and computation.

The Extended Certificate in Computing is equivalent in size to 1 A level and is designed for students interested in an introduction to computing, alongside other fields of study, with a view to progressing to a wide range of higher education courses, but not necessarily in computing. It is an ideal follow on subject for students that studied GCSE Computer Science, but is not restricted to those students.

Students study four mandatory units:

- 1 Programming Fundamentals (Exam)
- 2 Computer Network Security and Encryption (Exam)
- 3 Human-Computer Interaction (Coursework)
- 4 Practical Programming (Coursework)

We also choose one option unit from a range covering creative computing, computer science and networking disciplines.

Lessons

Lessons are all based in one of our computer suites. The lessons will be a mixture of teacher led activities and independent learning, always with a practical element.

Support

A wider range of resources will be available to help you complete your coursework and theory work to the best possible standard. This includes files that can be accessed via our network, detailed teacher presentations, text books and guidance to online resources.

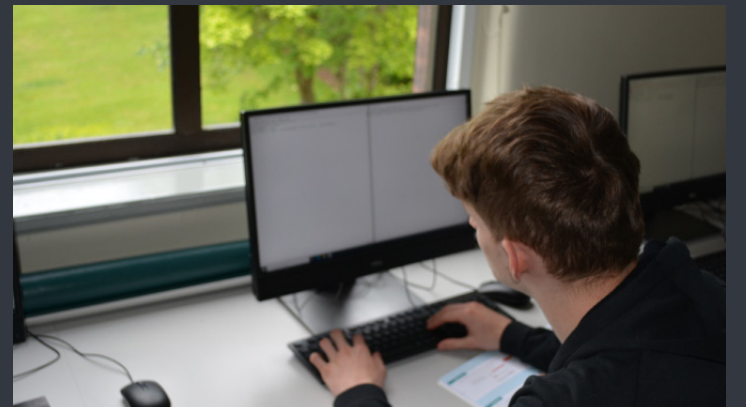
Equipment that you will need

Basic stationery: pens, pencils and a notepad. You will be provided with a wallet to store notes and work.

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Computing is such an important subject in today's time with so much reliant on technology and computers. Jobs in Computing in the future will continue to be prevalent.

The course at Cowley is really enjoyable. The lessons are engaging and the teachers are very supportive.



Progression

This qualification provides an opportunity for students to progress to higher education on an Honours Degree, Foundation Degree or BTEC Higher National course in a wide range of Computing based subjects. It also enables students to develop knowledge and skills needed for employment roles related to computing.