COWLEY

SIXTH FORM COLLEGE

BTEC LEVEL 3 EXTENDED CERTIFICATE

COMPUTING

Teaching staff
Mr Raines
Mr Ruddy

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 PExtended 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 three mandatory units:
- Principles of Computer Science
- Fundamentals of Computer Systems
  IT Systems Security and Encryption.

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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ICT lessons are intriguing as we can be doing anything from creating computer based graphics to building a PC.

Every lesson is different and as well as working by ourselves, we also get to take part in group tasks."

Nicola Croston
Currently studying:
BTEC ICT
BTEC Sport
BTEC Health and Social Care

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.