



## Computing

### BTEC National Extended Certificate

BTEC Computing is an applied qualification that gives students a chance to learn a range of computer science theories while also looking at the application of these ideas to solving real world problems.

Lessons are laid out on a course website which offers students access to a lesson by lesson plan of the work that they will do throughout the year. There are a range of different articles to read and documentaries to watch both in preparation for upcoming lessons and to follow up on the learning undertaken each week.

Learners are given regular tests and problem solving exercises to respond to in order to help them develop the skills that they need to be successful in their final exams and assignments.

#### Course details:

Awarding body: Pearson BTEC Level 3 National Extended Certificate in Computing

#### Content:

You will study two units in the first year and a further two in the second year:

#### Year 1 units

Unit 1: Principles of Computer Science

Unit 2: IT Systems Security and Encryption

#### Year 2 units

Unit 3: Fundamentals of Computer Systems

Unit 4: Systems Analysis and Design

#### Assessment overview

The course is assessed continuously. Units 1 and 3 are externally assessed. Students will sit one exam at the end of year 12 and one in January of year 13. Students will also submit three pieces of coursework during each year. Units 2 and 4 are internally assessed with students working to use computer systems to solve problems for local firms.



## **Career opportunities**

A range of career paths are available to students following the completion of BTEC Computing. A range of degree courses will accept BTEC Computing for admission to a number of courses such as computer science, systems design, web development, network management and ICT administration.

Alternatively, there are a number of different apprenticeships that you could progress on to including web design and network administration.

### **Specific Entry Requirements:**

5 GCSEs (Grades 9-4) including grade 5 in English language and a grade 6 in mathematics

