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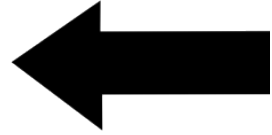
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## BTEC Level 3 Extended Certificate

# INFORMATION TECHNOLOGY

### What is the BTEC National Extended Certificate?

Information Technology (IT) systems have a significant role in the world around us and play a part in almost everything we do. Having a sound understanding of how to effectively select and use appropriate IT systems will benefit you personally and professionally. You will develop a common core of IT knowledge and study areas such as the relationship between hardware and software that form an IT system, managing and processing data to support business and using IT to communicate and share information. This qualification will give you the opportunity to develop knowledge and skills in IT systems, systems management and social media in business.

The BTEC National Extended Certificate is equivalent to one A Level.

## Course Content and Assessment:

There are 4 units to complete of which 3 are mandatory and 2 are external.
**Mandatory content (83%)**
**External Content (58%)**

**Unit 1:** Information Technology Systems
**Unit 2**: Creating Systems to Manage Information
**Unit 3:** Using Social Media in Business
**Unit 6:** Website Development

## Course Overview:

### Unit 1: Information Technology Systems
You will explore the relationships between the hardware and software that form an IT system, and the way that systems work individually and together, as well as the relationship between the user and the system. You will examine issues related to the use of IT systems and the impact that they have on organisations and individuals

### Unit 2: Creating Systems to Manage Information
You will examine the structure of data and its origins, and how an efficient data design follows through to an effective and useful database. You will examine a given scenario and develop an effective design solution to produce a database system. You will then test your solution to ensure that it works correctly. Finally, you will evaluate each stage of the development process and the effectiveness of your database solution.

### Unit 3: Using Social Media in Business
You will explore different social media websites, the ways in which they can be used and the potential pitfalls when using them for business purposes. You will develop a plan to use social media strategies for business purposes to achieve specific aims and objectives. You will then implement the plan, developing and posting content and interacting with others

### Unit 6: Website Development
In this unit, you will review existing websites – commenting on their overall design and effectiveness. You will use scripting languages such as Hypertext Markup Language (HTML), Cascading Style Sheets (CSS) and JavaScript® and a simple text editor, or rapid application development tools. Finally, you will reflect on the website design and functionality using a testing and review process.

## Learning Methods:

The BTEC course requires students to be well motivated, organised and independent learners who enjoy an active learning approach.

An interest in modern technology is a core part of developing knowledge within the subject. Students will be guided by a teacher but will also be required to carry out work independently including extended research to become proficient in the subject.

## Career Opportunities:

This qualification when taken alongside other Level 3 qualifications, offers a wide range of employment and higher education possibilities in areas such as social media marketing, multimedia, systems analysis, information system management, virtual reality, computer animation, interactive computer entertainment and computing.
The BTEC Nationals attract UCAS points.

### Entry Requirements:

- Grade 4 or above in English and Maths.

- L2 qualification in a computer-based subject

## Staff Contacts

Mrs McCarthy - Assistant Headteacher Key Stage 5

Mrs Boyton - Student Development Champion Key Stage 5

Mr Edwards - KS5 Subject Teacher

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