

# INFORMATION TECHNOLOGY

## EDEXCEL

## BTEC L3 SUBSIDIARY DIPLOMA

<b>Entry Requirements</b>	<b>GCSE ICT / Computing / Business and Communication Grade 4</b>
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### **Brief introduction to subject:**

BTECs embody a fundamentally learner-centred approach to the curriculum, with a flexible, unit-based structure and knowledge applied in project-based assessments. They focus on the holistic development of the practical, interpersonal and thinking skills required to be able to succeed in employment and higher education.

### **Progression to Career/ University Courses:**

The Edexcel ICT BTEC qualification has been developed to provide a broad educational basis for further training, further education or for moving into appropriate employment within the ICT sector. Well over 100,000 BTEC students apply to UK universities every year and their BTEC Nationals are accepted by over 150 UK universities and higher education institutes for relevant degree programmes either on their own or in combination with A Levels. The qualification supports entry to, for example: • HNC in Interactive Media • FdSC in Business Computing • HND in Engineering • BSc (Hons) in Information Management for Business

### **Key Points:**

Equivalent in size to one A Level.

It consists of 4 units of which 3 are mandatory. Two of the 4 are externally assessed.

Mandatory content

Unit 1: Information Technology Systems • Unit 2: Creating Systems to Manage Information • Unit 3: Using Social Media in Business

Optional unit will be chosen from

Unit 4: Programming. This qualification includes a choice of optional units, including: • Unit 5: data Modelling • Unit 6: Website Development • Unit 7: Mobile Apps Development • Unit 8: Computer Games Development

**Certificate Award (equivalent to an AS LEVEL)**

**Unit 1 (Mandatory)**

**Information Technology systems**

You will explore the relationships between the hardware and software that form an IT system, the way 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 these have on organisations and individuals. In this unit you will draw on your learning from across your programme to complete assessment tasks.

**Unit 2 (Mandatory)**

**Creating systems to manage information**

You will examine the structure of data, 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 it works correctly. Finally, you will evaluate each stage of the development process and the effectiveness of your database solution.

**Assessment:**

Pass, Merit and Distinction criteria.

**Information regarding Assessment:**

Externally assessed by written examination

**Assessment:**

Pass, Merit and Distinction criteria.

**Information regarding Assessment:**

Externally assessed by a task set by the examination board

**Subsidiary Diploma (equivalent to an A LEVEL)**

**Unit 3 (Mandatory)**

**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. Finally, you will collect data on the business use of social media and review the effectiveness of your efforts.

**To be chosen from (subject to change depending on the availability of staff and interests of group)**

- Data Modelling
  - Website development
  - Mobile Apps Development
- Computer Games Development

**Assessment:**

Pass, Merit and Distinction criteria.

**Information regarding Assessment:**

Tutor marked Internal verification within school. Grades are subject to awarding body validation.

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