

# BTEC National in IT - Diploma

## Head of Department

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## Exam Board

Pearson/EDEXCEL

## Specification

31760H

## COURSE DETAILS

Equivalent in size to two A Levels. 8 units of which 6 are mandatory and 3 are external. Mandatory content (83%). External assessment (46%).

### Examination

The course has an examination for unit 1 Information Technology Systems. The rest of the course is assessed using board set tasks or internal assignments

### Unit 1: Information Technology Systems 120 Guided Learning Hours (GLH)

Students study the role of computer systems and the implications of their use in personal and professional situations.

### Unit 2: Creating Systems to Manage Information 90 GLH

Students study the design, creation, testing and evaluation of a relational database system to manage information.

### Unit 3: Using Social Media in Business 90 GLH

Students explore how businesses use social media to promote their products and services. Students also implement social media activities in a business to meet requirements.

### Unit 4: Programming 90 GLH

Students study the underpinning concepts and implications of programming languages to design, develop and test computer programs.

### Unit 9: IT Project Management 90 GLH

Students study how data modelling can be used to solve problems. They will design and implement a data model to meet client requirements.

### Unit 11 Cyber Security and Incident Management 120 GLH

Students investigate website development principles. They will design and develop a website using scripting languages.

Plus an additional 2 units from the following options:

Unit 5 Data Modelling

Unit 8 Computer Games Development

Task	Topic	Details
Keywords Definitions	Unit 1	Using the key terms list make a glossary (in an appropriate piece of software) defining each one of the key terms. Use the context set in each list section.
Moral, Ethical and Legal issues of the use of ICT	Unit 1	Plan an answer to the moral and ethical issues exam question, for example a spider diagram or flow chart. Using your plan answer the question with the aim to score 100%. Question sheet and sources attached.

## WIDER READING TO PREPARE FOR COURSE

BTEC Nationals Information Technology Student Book 1 Publisher: Pearson, Author: Jenny Phillips, Alan Jarvis, Mark Fishpool, Richard McGill, Tim Cook, David Atkinson-Beaumont.

BTEC National Information Technology Revision Guide, Publisher: Pearson, Author: Ian Bruce, Daniel Richardson, Alan Jarvis.

### Unit 3 Social Media

Social Media Examiner is one of many blog sites with lots of up-to-date articles about using social media for business purposes: [www.socialmediaexaminer.com](http://www.socialmediaexaminer.com)

Social Media Today also focuses on social media marketing for business: [www.socialmediatoday.com](http://www.socialmediatoday.com)

Mashable is blog site with a UK based version with lots of up-to-date articles on social media: [mashable.com/social-media/](http://mashable.com/social-media/)

Articles from the UK Guardian newspaper on a wide range of issues related to social media:

[www.theguardian.com/media/social-media](http://www.theguardian.com/media/social-media)