

**SUBJECT:**  
**BTEC ICT**  
**EXAM BOARD:**  
**EDEXCEL**



### Course Overview

The BTEC ICT L3 course is a specialist qualification that focuses on particular aspects of employment within the vocational sector. As such the award offers a qualification which can extend study and provide vocational emphasis for learners. They give learners the knowledge, understanding and skills that they need to prepare for employment. It is equivalent to 1 GCE A-Levels and is graded Pass, Merit or Distinction (P, M, D).

You will study 4 Units under the extended certificate, which include:

- Information Technology Systems – Externally Assessed
- Creating Systems to Manage Information - Externally Assessed
- Using Social Media in Business – Internally Assessed
- Data Modelling – Internally Assessed

### Useful websites

**The specification can be viewed here:**

<http://qualifications.pearson.com/en/qualifications/btec-nationals/information-technology-2016.html>

**Useful Websites**

<http://www.btec.co.uk>

<http://computer.howstuffworks.com/>

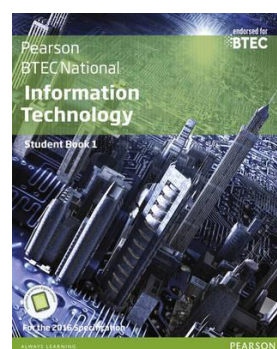
### Essential text books and reading list

Some Research into these topics will be beneficial:

- Data Modelling
- Networking
- Social Media

REVISE BTEC National Information Technology Revision Workbook - ISBN 9781292230597

REVISE BTEC National Information Technology Revision Guide (with ActiveBook) - ISBN 9781292230504



## SUMMER BTEC TASKS

These tasks are designed to help prepare you for the work that you will be producing when working on the BTEC L3. Some of this work will help to provide evidence for tasks you will be required to complete in the future.

TASK 1 AND 2 are exam based questions where you will have to research the answers and write them in exam styles answers. This will help you with the exam part of the course

TASK 3 is based on a small scenario that will involve you making a spreadsheet which will help you with the UNIT 5 –Modelling coursework aspect of the course.

### Task 1

- 2 Josie is a student on a graphics design course at Swindhone College.  
As part of her course she has to manipulate and edit high resolution images.  
Josie uses a range of devices to complete her assignments.

- (a) Josie has completed an assignment containing large files.  
She is going to submit the assignment to her tutor by email.  
Before submitting the work she compresses the files.  
Explain **two** drawbacks for Josie's tutor of receiving compressed files.

4 marks

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## Task 2

**3** Katalog is a large catalogue retailer with stores around the UK.  
Goods can be purchased in store or via the company website.  
Goods purchased online are delivered from a central warehouse.  
The company uses an automated stock control system throughout its stores and the central warehouse.

(a) Katalog is considering introducing a 'click and collect' service, where customers can order goods from the website and collect them in a local store.

Katalog has decided to use an online questionnaire to gather opinions about the proposed system from potential customers.

Explain **two** factors that Katalog would need to consider when designing the questions to ensure that the data collected is reliable.

4 marks

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## Task 3

You have been asked to produce a spreadsheet for a local leisure centre, they would like a spreadsheet that will show how much each session that they offer at the leisure centre is making and how many people are on each session. They would like you to do the following

- Add a total of how much each sessions is making
- An average of the sessions
- Use conditional formatting to highlight the sessions that are making a decent amount
- Use an IF statement to predict if they are making an overall profit or loss based on the yearly target of £12,500