

BTEC National Extended Certificate in IT



Why Choose This Course?

- ▶ Modular approach.
- ▶ Real-life, transferable skills developed.
- ▶ Up-to-date content.
- ▶ Leads to University study, Apprenticeships and jobs.
- ▶ A mix of practical and theory work.
- ▶ Portfolio work, practical exams and written exams.

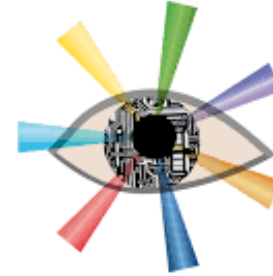


Entry Requirements

- ▶ There are **no entry requirements** to study this course.
- ▶ You can study BTEC IT and A Level Computer Science as the content is very different!
- ▶ BTEC IT goes well with Business Studies as the Social Media Unit links with Marketing.



Course Outline



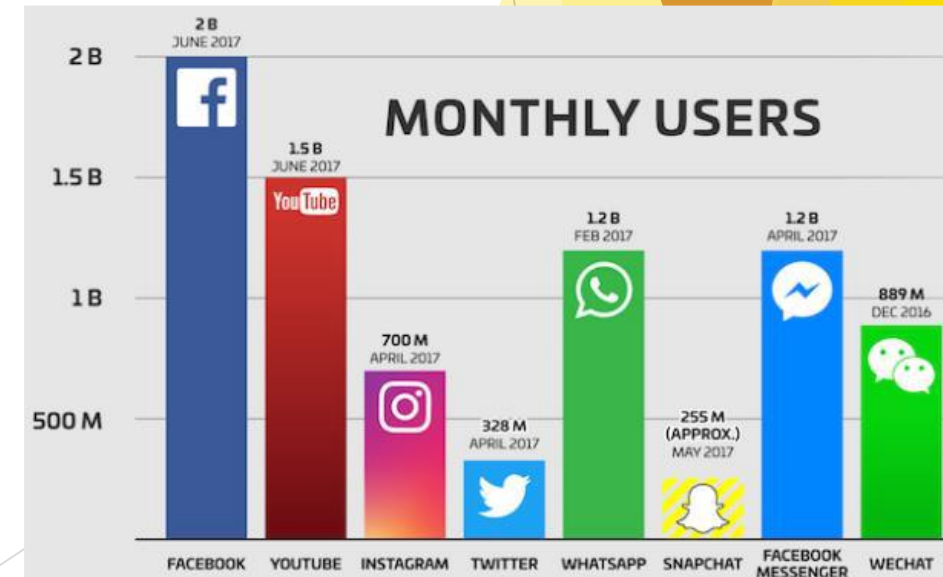
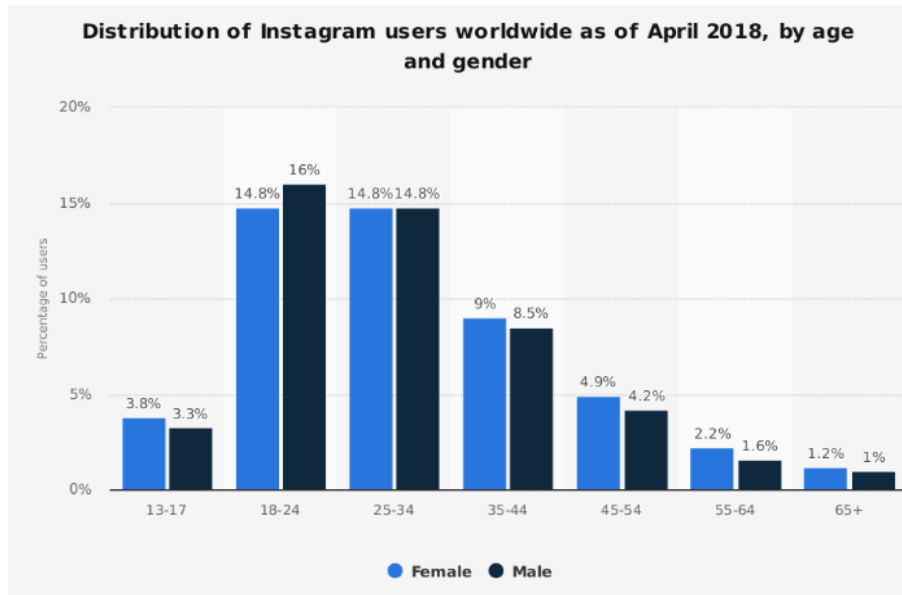
Information Technology

- ▶ You will study 4 modules.
- ▶ Year 12:
 - ▶ Using Social Media in Business (**portfolio**) - taught by Mrs Jones
 - ▶ Creating Systems to Manage Data (**practical exam**) - taught by Mr Dawson
- ▶ Year 13
 - ▶ IT Systems (**written exam**) - taught by Mrs Jones
 - ▶ Data Modelling (**portfolio**) - taught by Mr Dawson



Social Media in Business

- ▶ Core Unit. Assessed via portfolio.
- ▶ Learn about:
 - ▶ Who uses which Social Media (demographics)
 - ▶ How to best target marketing over Social Media (keywords)
 - ▶ When to advertise to get the most views (usage stats)
 - ▶ How to track campaign successes (analytics)
- ▶ Use your knowledge to develop a Social Media Plan to promote a local business.



Coursework Examples



7/3/2019
Thursday

On the Thursday Gus could upload a picture similar to this...



**“What’s your opinion on using gloves when lifting? Some people do use them whilst others don’t. Do they benefit and help your performance? Comment below your opinions...
#Gym #Gloves #Weightlifting #Support #GripSupport”**

#Gym
#Gloves
Weightlifting
#Support
#GripSupport

This sort of post encourages audience members to interact. Although it would bring a mix of opinions, e.g. “they’re great and help a lot”... “they’re ridiculous and pointless” etc., it means people are interacting and giving their opinions, meaning if a lot of people like them Gus could think about selling gloves in his gym.

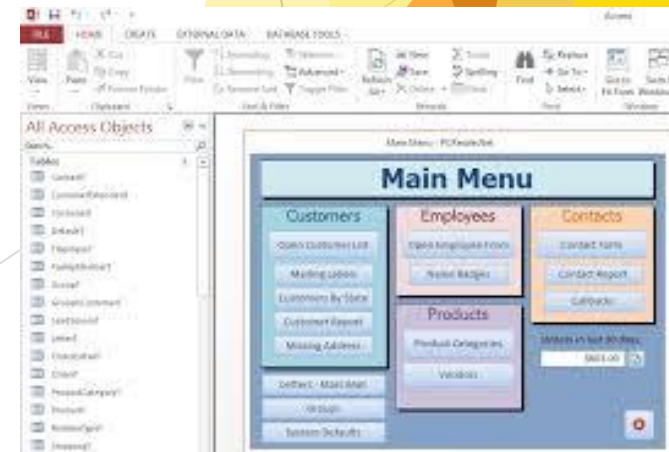
Feedback from past students

- ▶ I used what I learned in the Social Media unit to promote my online clothing sales business - DS
- ▶ In lockdown I used Social Media to develop my personal training business and now deliver online training to several clients a week - JP

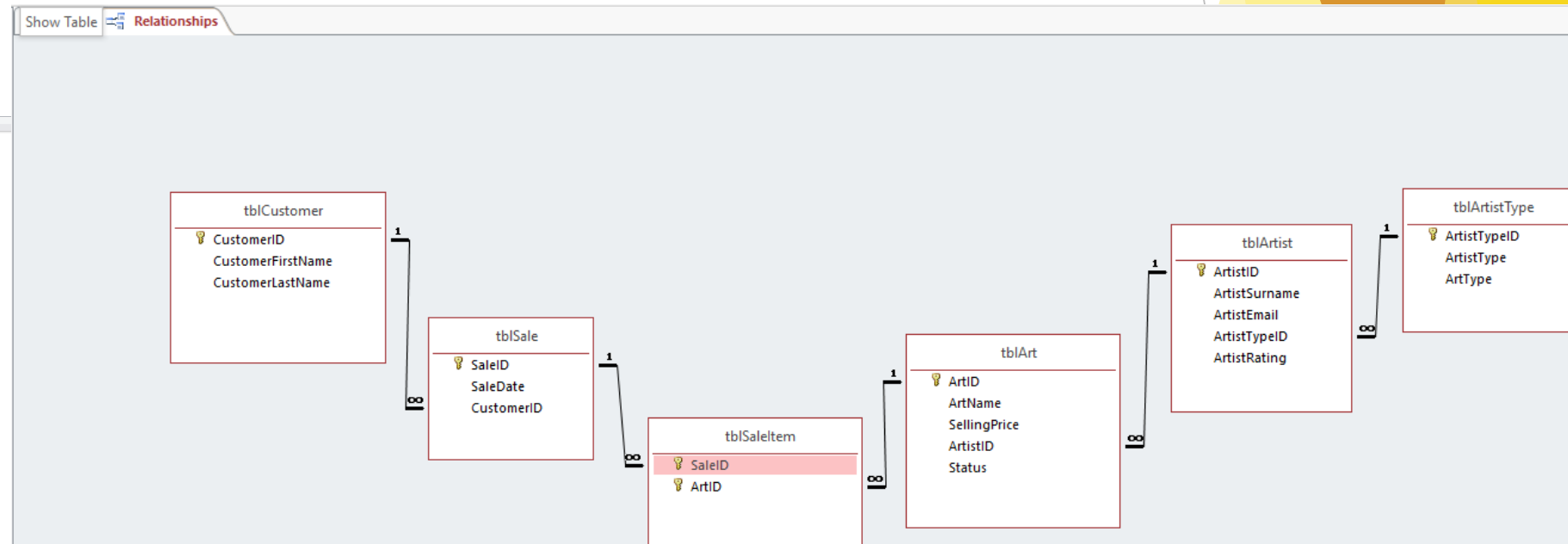


Creating Systems to Manage Data

- ▶ Core unit. Assessed via a practical exam over 2 sessions.
- ▶ Learn:
 - ▶ Why business use databases
 - ▶ How to set up a database
 - ▶ How to find information from a database
 - ▶ How to output data from a database
 - ▶ How to protect data
 - ▶ What laws govern data storage
- ▶ Use your skills to set up databases to manage customer orders, or events.

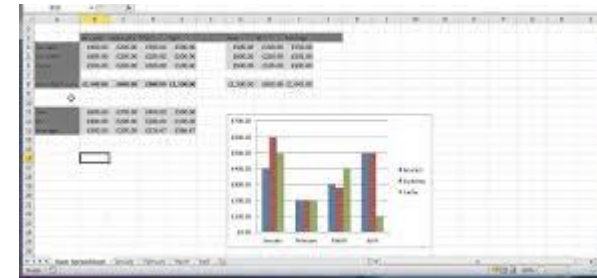


Sample Exam work

The screenshot shows the Microsoft Access interface. The top ribbon includes 'File', 'Home', 'Create', 'External Data', 'Database Tools', and 'Help'. The 'Home' ribbon is active, showing options for 'Filter', 'Sort & Filter', 'Records', 'Find', and 'Text Formatting'. On the left, the 'Navigation Pane' shows a list of objects: Tables (tblArt, tblArtist, tblArtistType, tblCustomer, tblSale, tblSaleItem), Queries (Query1), Forms (frm query 1 subform, frm_sales, frmArt), and Macros (Macro1). The 'frmArt' form is open in the center, displaying fields for ArtID (with a 'New' button), ArtName, SellingPrice, Artist ID (a dropdown menu), and Status. A 'save record' button is located at the bottom of the form. The status bar at the bottom indicates 'Records: 14 of 1'.

Data Modelling

- ▶ Portfolio unit.
- ▶ Learn:
 - ▶ Skills in setting up spreadsheets
 - ▶ Creating formulae and functions
 - ▶ Making spreadsheets work for you and produce suitable outputs
- ▶ Use your skills to design and build a Spreadsheet to help a business to model the impact of financial changes. How could they react and still make a profit?



SFA

Example Coursework



Exchange... 0.7

Finalised Data Model

Back to main menu

Price Difference	10p	Exact difference	
	0		0

	Table A	Table B
Exchange Rate	0.70	0.70
Profit Margin%	40 %	40 %

Table A - When exchange rate is 0.7

Cheese	Cost Per Kilo	Average Sale	Cost Per Kilo £	Sales Price	Profit Per Unit
Camembert	28.00	900	£ 19.60	£ 27.44	£ 7.84
Emmental	32.00	850	£ 22.40	£ 31.36	£ 8.96
Gruyere	35.00	875	£ 24.50	£ 34.30	£ 9.80
Edam	29.00	825	£ 20.30	£ 28.42	£ 8.12
Gouda	31.00	700	£ 21.70	£ 30.38	£ 8.68
Overall			£ 151.90	£ 30.38	£ 8.68

Table B - When exchange rate fluctuates

Cheese	Cost Per Kilo	Average Sale	Cost Per Kilo £	Sales Price	Profit Per Unit
Camembert	28.00	900	£ 19.60	£ 27.44	£ 7.84
Emmental	32.00	850	£ 22.40	£ 31.36	£ 8.96
Gruyere	35.00	875	£ 24.50	£ 34.30	£ 9.80
Edam	29.00	825	£ 20.30	£ 28.42	£ 8.12
Gouda	31.00	700	£ 21.70	£ 30.38	£ 8.68
Overall			£ 151.90	£ 30.38	£ 8.68

Save Reset

Finalised Data Model Gantt Chart RAID Log

Table A

Cheese Type	Sales Price (£)	Profit Per Unit (£)
Camembert	27.44	7.84
Emmental	31.36	8.96
Gruyere	34.30	9.80
Edam	28.42	8.12
Gouda	30.38	8.68

Table B

Cheese Type	Sales Price (£)	Profit Per Unit (£)
Camembert	27.44	7.84
Emmental	31.36	8.96
Gruyere	34.30	9.80
Edam	28.42	8.12
Gouda	30.38	8.68

Feedback from past students

- ▶ I use Spreadsheets to keep track of the purchases and sales of my online business. It means I know how much money I am making - DS
- ▶ I use Spreadsheets to track my clients progress and to monitor my income - JP



IT Systems



SFA

- ▶ Core unit. Assessed via a 2 hour written exam. Questions are asked in a real world scenario.
- ▶ Learn:
 - ▶ How to select the right computer system for a specific need
 - ▶ Networks, what they are, how they are set up and used
 - ▶ How data is threatened and how this can be overcome
 - ▶ How businesses operate online
 - ▶ How online communities work
 - ▶ IT Laws
- ▶ Use your knowledge to help you select computer equipment, understand your rights and responsibilities, and how to protect your data.

Results

- ▶ 100% Pass Rate.
- ▶ All past students attained their target grade or above.
- ▶ In 2020 all students completed all aspects of the course so were unaffected by Centre Assessed Grades.

Grade	2020	2022
Distinction*	15%	25%
Distinction	57%	50%
Merit	28%	25%
Pass	0%	0%



Pathways

- ▶ IT develops skills that you will use in your other post-16 courses e.g. presentation and report writing skills.
- ▶ You could progress to further studies at **University** in ICT, Cyber Security, Computing, Social Media Marketing, Networking or Games Design.
- ▶ **Apprenticeships** in Networking, Social Media Marketing, IT, Engineering.



Contact Details

- ▶ Mrs Jones, ajones@stfrancis.cc

