Year 12 BTEC Information Technology

Applying to university through UCAS

Think Ahead

LEARNING JOURNEY

End of Year 12

APPRENTICESHIP
WORK QUALIFICATIONS SKILLS CAREER PROFESSION SALARY

Organisational use of digital devices

Transferring data within and between IT systems.

The features, use and purpose of different networks

Summer

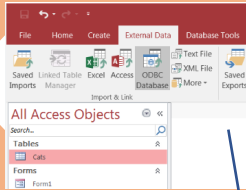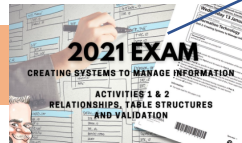Digital devices that form part or all of IT systems

DIGITAL DEVICES

Unit 1: Information Technology Systems

Unit end

Unit 2 EXAM

Evaluating a database development project

Exam Practise Past Papers

2021 EXAM
CREATING SYSTEMS TO MANAGE INFORMATION
ACTIVITIES 1 & 2
RELATIONSHIPS, TABLE STRUCTURES AND VALIDATION

File Home Create External Data Database Tools
Saved Imports | Linked Table Manager | Excel | Access | ODBC Database | Text File | XML File | More | Saved Exports
Import & Link

All Access Objects
Search...
Tables
  Cats
Forms
  Form1

Spring

Teachers
teacherID
name
office
phone
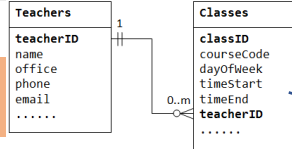email
......

Classes
classID
courseCode
dayOfWeek
timeStart
timeEnd
teacherID
......

The purpose and structure of relational database management systems

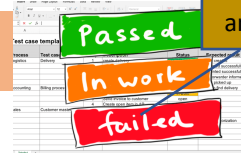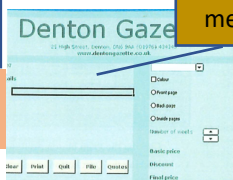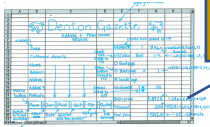Creating a relation database structure

Unit 2: Creating Systems to Mange Information

Unit end

Design a data model to meet client requirements

Denton Gaze

Develop a data model to meet client requirements
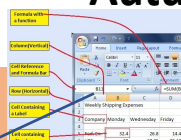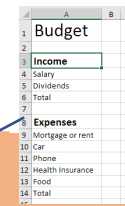
Testing Reviewing and refining a model

Passed
In work
failed

Budget
Income
Salary
Dividends
Total
Expenses
Mortgage or rent
Car
Phone
Health Insurance
Food
Total

Autumn

Decision-making

Start of Year 12

Using data modelling to consider alternatives

Spreadsheet features used to support data modelling

Unit 5: Data Modelling

Stages in the decision-making process

Summary:
Unit 5: Data Modelling (Internally assessed). This helps you learn spreadsheet skills and use them to create a financial model to predict profits based on changing inputs such as profit margin and sales quantities.
Unit 2: Creating Systems to Mange Information(Externally assessed by 2 exams one 3hrs Long the other 2 Hours long). You will learn how to store date efficiently and be able to filter and extract data collected to produce useful reports.
Unit 1: Information Technology Systems(Externally assessed by a 2hr exam) You will be assessed on their understanding of computer systems and the implications of their use in personal and professional situations.