



IT Applied - Level 3

Task 1 - Knowing your Subject

If you're studying IT applied you're either going to be taking a '1 Block' Certificate and two other subjects or a '2 Block' Extended Certificate and one other subject. In either case, at some point you'll be doing Unit 1: Information Systems and Unit 2: Creating Systems to Manage information. You can find information about these units on the following document:

<https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Information-Technology/2016/specification-and-sample-assessments/9781446939505-BTEC-NAT-L3-DIP-IT-SPEC-PREPU Bv4.pdf>

Most of the important information is on pages 25-43. Once you've skim read these pages, go to the following forms (depending on your qualification 1 or 2 blocks) and answer the questions. Complete the following question paper:

<https://forms.gle/yt44esGMMVyrLgJQ9>

Task 2 - Unit 2 - Creating Systems to Manage Information

A relational database is a number of tables that are linked together. For example Spotify is essentially a huge online relational database. It's actually a really simple one, probably only containing three tables - a list of artists, albums and songs.

In databases each table must have a primary Key. The primary key is a field that contains data that is unique for each record. A car dealership may use a car's registration or number plate as a primary field to set apart two cars of the same colour, make and model. Follow the link to the question paper on Databases:

<https://forms.gle/Qi8nTm5E2yugtU7K9>

Task 3 - Unit 1 - Information Systems

This unit is all about the appropriate selection of technology to be used in the workplace. In addition to choosing the right tech, you also need to justify your decisions, talk about the advantages and disadvantages of certain tech has. You also need to talk about what impact different tech will have in different situations.

Typically the devices or technology you discuss will be used in the following contexts: Education and training; Personal and social; Retail and business; Large organisations and Creative Tasks. For example, a smart phone can be used in a retail context as a mobile 'Till' where the phone comes with an app that takes card payments. An advantage of using a phone instead of a fixed PC based Till is that it's mobile, you can be anywhere in a large department store and process transactions. A disadvantage might be that it has a portable battery and may run out half way through a transaction if not charged.

Fill out the following form giving answers using your imagination and personal experience. If you're absolutely stuck, Google it - but put your answers in your own words:

<https://forms.gle/d4gjimR21h4PxiUX7>