

Information Technology – Subject topics – Spring

Year 9

For Year 9, there are “Know it all Ninja” worksheets available on the School share by following the folder path:

School Share >>> Business Studies IT and CS >>> IT >>> _Technical Award Level 2 IT >>> Component 1 >>> LAB - PPTs & Worksheets

Read through the PowerPoints and attempt the word document worksheets and these will then help you with working through Component 1 of the coursework.

Learning aim B: Use project planning techniques to plan and design a user interface

Create an appropriate project plan for the design of a user interface which makes full and effective use of project planning techniques and create a comprehensive initial design that shows how it meets all user requirements.

Link to specification here (<https://qualifications.pearson.com/content/dam/pdf/btec-tec-awards/information-technology/2017/specification-and-sample-assessments/Spec-BTEC-L1-2TECHAWD-DIT.pdf>)

Any issues contact j.millington@alleynes.staffs.sch.uk

Information Technology – Subject topics – Spring

Year 10

For Year 10, there are “Know it all Ninja” worksheets available on the School share by following the folder path:

School Share >>> Business Studies IT and CS >>> IT >>> _Technical Award Level 2 IT >>> Component 2 >>> Know it all Ninja

Read through the PowerPoints and attempt the word document worksheets and these will then help you with working through Component 2 of the coursework.

Learning aim B: Create a dashboard using data manipulation tools

Identify data that is used to make decisions across two different sectors.

Explain how data collection methods and their features affect the quality of data across two sectors, with relevant examples.

Link to specification here (<https://qualifications.pearson.com/content/dam/pdf/btec-tec-awards/information-technology/2017/specification-and-sample-assessments/Spec-BTEC-L1-2TECHAWD-DIT.pdf>)

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Year 11

Working through PowerPoints and worksheets in the school shared area for the exam unit
Component 3 in the school share the files are stored in the following folder path:

School Share >> Business Studies IT and CS >> IT >> _Technical Award Level 2 IT >> Component 3

A Modern technologies

Communication technologies, cloud storage, cloud computing.

Impact of modern technologies, managing modern teams, inclusivity and accessibility

B Cyber security

Threats to data- internal, external, impact of security breach.

Prevention and management of threats to data

Policies

Responsible use- shared data, environmental

C Legal and ethical issues

Providing equal access, net neutrality, acceptable use policies

Use of social media for business purposes

Data protection principles

The criminal use of computer systems

D Planning and communication n digital systems

Forms of notation- data flow diagrams, flowcharts, tables

Interpret information presented using different forms of notation

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Information Technology – Subject topics – Spring

Year 12

Unit 1 Exam Preparation Information Technology Systems

B Transmitting Data

Wireless and wired methods of connecting devices

The impact of connection types on the performance of an IT system

Networks

Features, use and purpose of different networks (PAN, LAN, WAN, VPN)

Factors affecting the choice of network

Issues relating to transmission of data

Protocols

Security issues

Factors affecting performance

Lossy and lossless compression

Specification link here (<https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Information-Technology/2016/specification-and-sample-assessments/specification-pearson-btec-level-3-national-extended-certificate-in-information-technology.pdf>)

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Information Technology – Subject topics – Spring

Year 13

Continuing with coursework components Unit 3 and Unit 5

Unit 3 Using social media in Business

A-Explore the impact of social media on the ways in which businesses promote their products and services

B-Develop a plan to use social media in a business to meet requirements

C-Implement the use of social media in a business.

Unit 5 Data modelling

A-Investigate data modelling and how it can be used in the decision-making process

B-Design a data model to meet client requirements

C-Develop a data model to meet client requirements.

Specification link here (<https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Information-Technology/2016/specification-and-sample-assessments/specification-pearson-btec-level-3-national-extended-certificate-in-information-technology.pdf>)

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