BTEC Information Technology at Samuel Whitbread Academy
Curriculum Sequencing

Year 12:

Autumn Term			
Unit	**Topics**	**Unit**	**Topics**
Topic A: Digital devices in IT systems	- Digital devices, their functions and use - Peripheral devices and media - Computer software in an IT system - Emerging technologies - Choosing IT systems	Objective A: Explore the impact of social media on the ways in which businesses promote their products and services	- Social media websites - Business uses of social media - Risks and issues
Topic B: Transmitting data	- Connectivity - Networks - Issues relating to transmission of data		

Spring Term			
Unit	**Topics**	**Unit**	**Topics**
Topic C: Operating online	- Online systems - Online communities	Objective B: Develop a plan to use social media in a business to meet requirements	- Social media planning processes - Business requirements - Content planning and publishing - Developing an online community - Developing a social media policy
Topic D: Protecting data and information	- Threats to data, information and systems - Protecting data		

			Reviewing and refining plans

Summer Term			
Unit	**Topics**	**Unit**	**Topics**
Topic E: Impact of IT systems	• Online services • Impact on organisations • Using and manipulating data	Objective C: Implement the use of social media in a business	• Creating accounts and profiles • Content creation and publication • Implementation of online community building • Data gathering and analysis • Skills, knowledge and behaviours
Topic F: Issues	• Moral and ethical issues • Legal issues		

Year 13:

Autumn Term			
Unit	**Topics**	**Unit**	**Topics**
Objective A: The purpose and structure of relational database management systems	• Relational database management systems • Manipulating data structures and data in relational databases • Normalisation	Objective A: Investigate data modelling and how it can be used in the decision-making process	• Stages in the decision making process • Spreadsheet features used to support data modelling • Using data modelling to consider alternatives • Evaluating models • Documenting and justifying decisions
Objective B: Standard methods and techniques to design relational database solutions	• Relational database design • Design documentation	Objective B: Design a data model to meet client requirements	• Functional specification • Spreadsheet model design

			● Reviewing and refining data model designs
Objective C: Creating a relation database structure	● Producing a database solution ● Testing and refining the database solution		

Spring Term			
Unit	**Topics**	**Unit**	**Topics**
Objective D: Evaluating a database development project	● Database design evaluation ● Evaluation of database testing ● Evaluation of the database	Objective C: Develop a data model to meet client requirements	● Developing a data model solution ● Testing the data model solution ● Reviewing and refining the data model solution ● Skills, knowledge and behaviours