Curriculum Sequencing Grid: *(KS5 – BTEC IT – Extended Certificate)*

Year 12	Unit 2	Unit 3
Unit (Tablet in 39 week plan)	Creating Systems to Manage Information	Using Social Media in Business
Key Retainable Knowledge (Required for Y11/13) • What... How.... Why....	• Create a relational database management system • Manipulate data structures • Normalise data • Design relational database tables • Design suitable user interfaces • Use queries and reports • Use validation and verification methods to keep data secure • Present and extract key pieces of data • Test and refine a database solution • Evaluate database design • Evaluate database testing • Evaluate the overall effectiveness of the database	• Develop social media websites • Understand how businesses use social media • Use features of social media websites • Understand how businesses use social media • Assess risks and issues to avoid security issues • Plan a potential use of social media within a business • Understand business requirements • Develop a social media policy • Create accounts and profiles • Create content and publication • Gather and analyse data
Key Technical Vocabulary (To be modelled and deliberately practiced in context.)	• Database • Table • Form • Validation • Query • Relational • Report • Macro • Primary/foreign key • Flat file	• Social Media • Cookies • Brand • Marketing • Target Audience • Risks
Opportunities for Reading	• BBC Bitesize • Teach ICT • Teach Computing • Revision guide	• BBC Bitesize • Teach ICT • Teach Computing • Revision guides

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	• Specification • CAB twitter feed	• Specification • CAB twitter feed
Developing Cultural Capital (exposure to very best-essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)	• BBC BITESIZE • TEACH ICT • Twitter	• BBC BITESIZE • TEACH ICT • Twitter • Guest expert
Cross Curricular Links (Authentic Connections)	• Maths – Basic Number • English Language – Extended Writing.	• English Language – Extended Writing • Business Studies - Marketing
Key Assessment	• This unit is externally assessed through an examination and marked by Pearson. • The examination will be completed under supervised conditions for 5 hours in a two-day period set by Pearson, which is to be completed over 2 sessions. • The set task will assess learners' ability to design, create, test and evaluate a relational database system to manage information.	• Explore the impact of social media on the ways in which businesses promote their products and services • Develop a plan to use social media in a business to meet requirements • Implement the use of social media in a business.

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Year 13	Unit 1	Unit 5
Unit (Tablet in 39 week plan)	Information Technology Systems	Data Modelling
Key Retainable Knowledge (Required for Y11/13) • What... How.... Why....	• Define digital devices, their functions and use • Define the function and use of digital devices • Understand computer software used in an IT system • Understand emerging technologies including how they can be used by an individual or an organisation • Understand how IT systems are chose and what factors affect final choices • Understand how to transmit data through connectivity and networks • Understand the implications of online systems and communities • Understand the issues and implications of storing and transmitting information in digital form • Understand how the features and implications of using online services affect organisations and individuals • Understand moral, ethical and legal issues	• Understand the stages in the decision making process • Understand features used to support data modelling including entering and editing data and using formulae and functions • Using data modelling to consider alternatives and identifying the inputs required for the model • Document and justify decisions based on the requirements of the brief • Design a functional spreadsheet which meets user requirements • Design and produce a spreadsheet that focuses on layout, presentation, processing, data entry and validation • Review and refine data model designs by working with clients and potential users to gather feedback • Use a range of formulae, functions and logical functions to design and develop a data model solution • Test the data model solution use formative and summative testing including functionality and acceptance • Review and refine the data model solution, making improvements to meet client requirements
Key Technical Vocabulary (To be modelled and deliberately practiced in context.)	• Digital Devices • Transmitting Data • Protecting Data • Impact of It	• Spreadsheet • Data Types • User Form Objects – Spinner/Menus/Check Boxes • Macros

		- Formula - Functions – INDEX/MATCH/VLOOKUP - Features
Opportunities for Reading	- BBC Bitesize - Teach ICT - Teach Computing - Revision guides - Specification - CAB twitter feed	- BBC Bitesize - Teach ICT - Teach Computing - Revision guides - Specification - CAB twitter feed
Developing Cultural Capital (exposure to very best-essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)	- BBC Bitesize - Teach ICT - Twitter - @maltbycab	- BBC Bitesize - Teach ICT - Twitter - @maltbycab
Cross Curricular Links (Authentic Connections)	English Language – Extended Writing	- Business Studies – Profit/Loss - Maths – Basic Number Skills
Key Assessment	- This unit is externally assessed through a written examination set and marked by Pearson. - The examination is two hours in length. Learners will be assessed on their understanding of computer systems and the implications of their use in personal and professional situations.	- Investigate data modelling and how it can be used in the decision-making process - Design a data model to meet client requirements - Develop a data model to meet client requirements.