

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

Year 12	Unit 2	Unit 3
Unit (Tablet in 39 week plan)	<ul style="list-style-type: none"> • Creating Systems to Manage Information 	<ul style="list-style-type: none"> • Using Social Media in Business
Key Retainable Knowledge (Required for Y11/13) <ul style="list-style-type: none"> • What... How.... Why.... 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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.)	<ul style="list-style-type: none"> • Database • Table • Form • Validation • Query • Relational • Report • Macro • Primary/foreign key • Flat file 	<ul style="list-style-type: none"> • Social Media • Cookies • Brand • Marketing • Target Audience • Risks
Opportunities for Reading	<ul style="list-style-type: none"> • BBC Bitesize • Teach ICT • Teach Computing • Revision guide • Specification • CAB twitter feed 	<ul style="list-style-type: none"> • BBC Bitesize • Teach ICT • Teach Computing • Revision guides • Specification • CAB twitter feed

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<p>Developing Cultural Capital (exposure to very best-essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)</p>	<ul style="list-style-type: none"> • BBC BITESIZE • TEACH ICT • Twitter 	<ul style="list-style-type: none"> • BBC BITESIZE • TEACH ICT • Twitter • Guest expert
<p>Cross Curricular Links (Authentic Connections)</p>	<ul style="list-style-type: none"> • Maths – Basic Number • English Language – Extended Writing. 	<ul style="list-style-type: none"> • English Language – Extended Writing • Business Studies - Marketing
<p>Key Assessment</p>	<ul style="list-style-type: none"> • This unit is externally assessed through a task set and marked by Pearson. • The set task will be completed under supervised conditions for 10 hours in a one-week period set by Pearson, which can be arranged over a number of sessions. • The set task will assess learners' ability to design, create, test and evaluate a relational database system to manage information. 	<ul style="list-style-type: none"> • 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.

Year 13	Unit 1	Unit 5
<p>Unit (Tablet in 39 week plan)</p>	<ul style="list-style-type: none"> • Information Technology Systems 	<ul style="list-style-type: none"> • Data Modelling
<p>Key Retainable Knowledge (Required for Y11/13)</p> <ul style="list-style-type: none"> • What... How.... Why.... 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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

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	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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
<p>Key Technical Vocabulary (To be modelled and deliberately practiced in context.)</p>	<ul style="list-style-type: none"> • Digital Devices • Transmitting Data • Protecting Data • Impact of It 	<ul style="list-style-type: none"> • Spreadsheet • Data Types • User Form Objects • Formula • Functions • Features
<p>Opportunities for Reading</p>	<ul style="list-style-type: none"> • BBC Bitesize • Teach ICT • Teach Computing • Revision guides • Specification • CAB twitter feed 	<ul style="list-style-type: none"> • BBC Bitesize • Teach ICT • Teach Computing • Revision guides • Specification • CAB twitter feed
<p>Developing Cultural Capital (exposure to very best-essential knowledge and skills of educated citizens – appreciation of human creativity and achievement.)</p>	<ul style="list-style-type: none"> • BBC Bitesize • Teach ICT • Twitter - @maltbycab 	<ul style="list-style-type: none"> • BBC Bitesize • Teach ICT • Twitter - @maltbycab
<p>Cross Curricular Links (Authentic Connections)</p>	<ul style="list-style-type: none"> • English Language – Extended Writing 	<ul style="list-style-type: none"> • Business Studies – Profit/Loss

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		<ul style="list-style-type: none"> • Maths – Basic Number Skills
<p>Key Assessment</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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.