



Curriculum – Year 12 IT

Year 12 IT	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Qualification BTEC IT L3 Extended Certificate (360 GLH)	Unit 3: Using social media in Business (NEA - 90 GLH)				Unit 2: Creating Systems to Manage Information (5 Hours Database exam - 90 GLH)				Unit 1: Information Technology Systems (2 Hour Written exam – 120 GLH)	
Ethos Links	Character Confidence Creativity – (LAC) Contributing Community – (LAC) Relationships – (LAB) Routines Recognition Restorative approach				Character Confidence – (LAC) Creativity – (LAC) Contributing Community Relationships – (LAA) Routines Recognition Restorative approach				Character – (LAF) Confidence Creativity Contributing Community – (LAC) Relationships – (LAE) Routines Recognition Restorative approach	
Learning End Points	Learning Aim A The students will develop extensive knowledge of existing social media websites. This knowledge will be followed up with how businesses use those platforms to increase their sales. This will also include the risks of using social media platforms for an online business. Learning Aim B The students will be able to plan a social media campaign. This will include business requirements, the planning of the content to be used and published. The students will understand how to create an online community. They will develop a social media policy for the business of their choice. Then they will review and refine plans in accordance with any client input. Learning Aim C The students should be able to create content on social media platforms for business of their choice. They should be able to implement an online community. They should be able to use data analysis to monitor consumer skills and trends.				Learning Aim A The students will have a good understanding of relational database management systems. They will be able to manipulate data structures for a specific audience and purpose. They will also be able to design and implement tables using the process of normalisation. Learning Aim B The students will be able to design relational databases. This design will include all relevant design documentation. Learning Aim C The students will be able to create a database solution in Microsoft Access from scratch. They will also be able to test and refine the database in accordance with the initial testing conducted. Learning Aim D The students will be able evaluate the database designs, the testing phase, and the final database solution.				Learning Aim A Digital devices and how they connect with IT systems. This will be in a personal, business, and educational environment. This will involve hardware software. Additionally, about emerging technology and how that is changing the way people work with computers and artificial intelligence. Learning Aim B How computer networks are constructed and how data is transmitted over a network. This will include network performance and security. Learning Aim C Online communities and how as well as having a real profile in real life. There is also a need for an online profile as businesses now operate online using various online platforms. Learning Aim D Students will be familiar with the threats to data, information, and systems. They will also develop the ability to providing solutions to these threats. This will include the importance of protecting data and the consequences if data is destroyed, stolen, or compromised in any way.	

Substantive knowledge	<p>Learning Aim A</p> <ul style="list-style-type: none"> Understand the current developments in social media. The relationship between social media platforms and existing websites. The security issues in relation to social media. <p>Learning Aim B</p> <ul style="list-style-type: none"> Planning skills when creating a social media campaign. Understanding a business requirement Content planning Online community Social media policies Modifying plans according to reviews and client feedback. <p>Learning Aim C</p> <ul style="list-style-type: none"> Creating accounts Content publication Building an online community Data Analysis Consumer trends and behaviours. 	<p>Learning Aim A</p> <ul style="list-style-type: none"> Relational database management systems (RDBMS) Software tools and structured query language (SQL) for defining, changing, and removing data structures and data: Normalisation <p>Learning Aim B</p> <ul style="list-style-type: none"> RDBMS and SQL software, tools, techniques, and processes. The features and characteristics of relational database design techniques <p>Learning Aim C</p> <ul style="list-style-type: none"> Microsoft Access Tables, Forms, Reports and Queries. Tools required to create a database. RDBMS and SQL <p>Learning Aim D</p> <ul style="list-style-type: none"> Testing Evaluation 	<p>Learning Aim A</p> <ul style="list-style-type: none"> Hardware and software Emerging Technologies Different IT systems Digital devices <p>Learning Aim B</p> <ul style="list-style-type: none"> Connectivity Networks Data Transmission <p>Learning Aim C</p> <ul style="list-style-type: none"> Online systems Online communities <p>Learning Aim D</p> <ul style="list-style-type: none"> Threats to data Protecting Data
Disciplinary knowledge	<p>The students must develop into social media specialists. They will be confident in developing and implementing social media strategies for a business of their own choice. They must demonstrate how to create engaging content that is relevant to the audience and purpose. As in the social media industry, will be able to monitor and drive engagement using statistical data and successfully drive a business to increase sales turnover. This would be through managing web traffic, content, polls, or any posts.</p>	<p>Database developers must learn how to create and maintain database structures. They must ensure that data is stored efficiently. This will include elements of code, including SQL (Structured Query Language) queries, procedures, and functions. Students must also understand the significance of database relationship specifically. Relational database management systems.</p>	<p>The students should develop the technical knowledge of how IT specialists monitor and implement IT systems. This should include their daily duties such as network analysis, security, IT audits, trouble shooting, web and database administration. In addition, they should also be familiar with how IT specialists work in the community and how various users interact with IT systems. Whether it is for education, retail or for business.</p>
Key Vocabulary	<ul style="list-style-type: none"> Social Media Trending Search Engine Optimisation Trending Platforms Data Analysis Online Community Cyber Security Device Integration Audience and purpose 	<ul style="list-style-type: none"> Table Form Report Query SQL (Structured Query language) Parameters Criteria Implementation Testing – Valid, Erroneous, Extreme. Normalisation 	<ul style="list-style-type: none"> Aesthetic pleasing Bandwidth Click Bait Data Cleansing Encrypting Fibre optics GPS Human Computer interaction (HCI) Immersive Jargon