	Term 1A	Term 1B	Term 2A	Term 2B	Term 3A	Term 3B
Year 7	**Introduction to President Kennedy VLE & E-Safety** This unit introduces learners to the President Kennedy Virtual Learning Environment (Microsoft 365). Additionally, students will learn basic computing skills, such as document organisation and the difference between the OneDrive and Hard Drive. Students will also learn about E-Safety and Social Media in order to maximise learner's awareness of their own personal safety and the security risks to their own private information and their own devices when using the internet. Additionally, students will be assessed on their practical skills through the use of Microsoft Publisher. The theory learnt will be applied to their E-Safety brochure (on Publisher) with other Year 7 students being their intended target audience. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.	**E-Safety Continued** Students will also learn about Grooming, Identity Theft and Catfishing in order to maximise learner's awareness of their own personal safety and the security risks when using the internet. Additionally, students will be assessed on their practical skills through the use of Microsoft Publisher. The theory learnt will be applied to their E-Safety brochure (on Publisher) with other Year 7 students being their intended target audience. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.	**Computational Thinking** This unit explores the thought processes involved in formulating problems so their solutions can be represented as Computational steps and algorithms. Learners will learn the four Computational thinking methods: Decomposition, Abstraction, Pattern Recognition and Algorithm Design. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical tasks on Microsoft 365 software and Flow Chart challenges on app.diagrams.net	**Introduction to EduBlocks** Learners will learn how to code with Python (text-based language) using a familiar drag – and – drop blocks system, similar to scratch, which the majority of student will have accessed in Primary School. Topics include: Algorithm and Sequences, Turtle & Iteration, Input & Data Types, Variables and Functions. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical tasks completed on EduBlocks.	**Data & Spreadsheets** Learners will be able to capture, display and manipulate data arranged in a two-dimensional grid. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical tasks completed on Microsoft Excel.	**Audience & Purpose** Learners will understand audience and purpose so they know what content to include, what tone to use and what format to follow when they come to creating their Album cover for their 'Musical Client' **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical tasks completed on Canva.
Year 8	**E-Safety** Students will also learn about Digital Footprint, Digital Resilience and Phishing to maximise learner's awareness of their own personal safety and the security risks to their own private information and their own devices when using the internet. Additionally, students will be assessed on their practical skills through the use of Microsoft Publisher. The theory learnt will be applied to their E-Safety PowerPoint 'Website' with other Year 8 students being their intended target audience. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.	**E-Safety Continued** Students will also learn about Artificial Intelligence and how AI will affect our day to day life positively but we will also discuss the potential negative impacts it will cause too. Additionally, learners will participate in a debate surrounding the topic "Is Social Media dangerous for student's mental health?". The theory learnt will be applied to their E-Safety PowerPoint 'Website' with other Year 8 students being their intended target audience. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.	**Computer Systems** Learners will learn about the complete functionality of a computer, comprising of both hardware and software setup. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.	**Introduction to Python Programming** This unit introduces learners to text-based programming with Python. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.	**Python programming** This unit introduces learners to how data can be represented and processed in sequences, such as lists and strings. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.	**Cyber Security** This unit takes the learners on an eye-opening journey of discovery about techniques used by cybercriminals to steal data, disrupt systems, and infiltrate networks. **Assessment:** Feed-bot stickers in their books. WCF on Microsoft Teams after Forms Quiz. Practical task running throughout the term.
Year 9 Rotation	**Mobile App Development** Assessment: Peer assessment and whole class feedback of final Virtual Pet app.					
Year 10 User interfaces Data collection	**BTEC Tech Award Digital Information Technology** **Component 1: Exploring User Interface Design Principles and Project Planning Techniques. (Internal)** A1 What is a User Interface A2 Audience needs A3 Design principles A4 Designing an efficient user interface **Learning Aim A Assignment: Investigate user interface design for individuals and organisations.**		**BTEC Tech Award Digital Information Technology** **Component 1: Exploring User Interface Design Principles and Project Planning Techniques. (Internal)** B1 Project planning techniques B2 Create a project plan B3 Create an initial design C1 Developing a user interface C2 Refining the user interface C3 Review **Learning Aim B&C Assignment: Use project planning techniques to plan and design a user interface. Develop and review a user interface.**			**BTEC Tech Award Digital Information Technology** **Component 2: Collecting, Presenting and Interpreting data. (Internal)** A1 Characteristics of data and information A2 Representing information A3 Ensuring data is suitable for processing A4 Data collection A5 Quality of information and its impact on decision making A6 Sectors that use data modelling A7 Threats to individuals **Learning Aim A Assignment: Investigate the role and impact of using data on individuals and organisations.**

Year 11 Effective digital working practices exam. Dashboard.	**BTEC Tech Award Digital Information Technology**
	Component 3: Effective digital working practices. (External)
	A01, A02, A03 & A04
	
	A Modern Technologies
	  - A1 Modern Technologies
	  - A2 Impact of modern technologies
	B Cyber Security
	  - B1 Threats to data
	  - B2 Prevention and management of threats to data
	  - B3 Policy
	C The wider implications of digital systems
	  - C1 Responsible Use
	  - C2 Legal and ethical
	D Planning and communication in digital systems
			BTEC Tech Award Digital Information Technology
			Component 2: Collecting, Presenting and Interpreting data. (Internal)
			B1 Data processing methods
			B2 Produce a dashboard
			C1 Drawing conclusions based on data
			C2 How presentation affects understanding
			
			Learning Aim B&C Assignment: Create a dashboard using data manipulation tools. Draw conclusions and review data presentation methods.			

	- D1 Forms of notation **External assessment in February.**		
Year 12 Information Technology Systems Exam Unit 3	BTEC National Extended Certificate in Information Technology Unit 1: Information Technology Systems. (External) A01, A02, A03, A04 & A05 A Digital devices in IT systems - A1 Digital devices, their functions and use - A2 Peripheral devices and media - A3 Computer software in an IT system - A4 Emerging technologies - A5 Choosing IT systems B Transmitting data - B1 Connectivity - B2 Networks - B3 Issues relating to transmission of data C Operating online - C1 Online systems - C2 Online communities D Protecting data and information - D1 Threats to data, information and systems - D2 Protecting data E Impact of IT systems - E1 Online services - E2 Impact on organisations - E3 Using and manipulating data F Issues - F1 Moral and ethical issues - F2 Legal issues **External assessment in January.**	BTEC National Extended Certificate in Information Technology Unit 3: Using Social Media in Business. (Internal) A1 Social media websites A2 Business uses of social media A3 Risks and issues **Learning Aim A Assignment: Explore the impact of social media on the ways in which businesses promote their products and services.**	BTEC National Extended Certificate in Information Technology Unit 3: Using Social Media in Business. (Internal) B1 Social media planning processes B2 Business requirements B3 Content planning and publishing B4 Developing an online community B5 Developing a social media policy B6 Reviewing and refining plans C1 Creating accounts and profiles C2 Content creation and publication C3 Implementation of online community building C4 Data gathering and analysis C5 Skills, knowledge and behaviours **Learning Aim B & C Assignment: Develop a plan to use social media in a business to meet requirements. Implement the use of social media in a business.**
Year 13 Creating Systems to Manage Information Exam Unit 6	BTEC National Extended Certificate in Information Technology Unit 2: Creating Systems to Manage Information. (External) A01, A02, A03, A04 & A05 A The purpose and structure of relational database management systems - A1 Relational database management systems - A2 Manipulating data structures and data in relational databases - A3 Normalisation B Standard methods and techniques to design relational database solutions - B1 Relational database design - B2 Design documentation C Creating a relation database structure - C1 Producing a database solution - C2 Testing and refining the database solution D Evaluating a database development project - D1 Database design evaluation - D2 Evaluation of database testing - D3 Evaluation of the database **External assessment in January.**	BTEC National Extended Certificate in Information Technology Unit 6: Website Development. (Internal) A1 Purpose and principles of website products A2 Factors affecting website performance **Learning Aim A Assignment: Understand the principles of website development.**	BTEC National Extended Certificate in Information Technology Unit 6: Website Development. (Internal) B1 Website design B2 Common tools and techniques used to produce websites C1 Client-side scripting languages C2 Website development C3 Website review C4 Website optimisation C5 Skills, knowledge and behaviours **Learning Aim B & C Assignment: Design a website to meet client requirements. Develop a website to meet client requirements.**