IT		AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year 11 Digital Information Technology Btec Vocational (Last year of delivery)		**Component 3 (Exam) – LAC Implications of digital systems** Explain how data is shared between organisations, and the responsible use of data with respect to privacy GreenIT, Understand the importance of providing equal access to digital services and information and legalisation	**Component 3 (Exam) – LAC (ctd)** **and LAD -Planning-and-communication** Explain the use of a data flow diagram and draw one Draw an accurate flowchart and describe the advantages of presenting data in a graph or chart Give a written explanation of figures in a table or graph	**Component 3(Exam) Revision** **Exam date 1st sitting- 10th Feb 2022**	**Component 2 (Coursework)** **Complete LAB- Create a dashboard using data manipulation tools.** Students to continue work on Component 2 coursework, gaining Excel skills in the production of the dashboard displaying charts and tables showing appropriate and justified information	**Component 2 (Coursework)** **Complete LAB- Draw conclusions and review data presentation methods** Assess the effectiveness of the dashboard's presentation of data and how it affects the conclusions drawn and the recommendations made, using justified examples.	**Component 3(Exam) Revision** **Exam date 2nd sitting- TBC**
YEAR 12 Ctec Level 3 IT Introductory Diploma -Application Developer Route	**Unit 1: Fundamentals of IT**	**L01- Computer Hardware,** Computer components, Connectivity methods, Types of computer systems	**L02- Understand Computer Software** Covering types, applications and utility software Including operating systems, communication methods, software trouble shooting and protocols.	**L03- Understand business IT systems** Server Types, virtualisation, network characteristics, connection methods and business systems	**L04- Understand employability and communication skills used within an IT environment** Communication skills and technology, personal attributes, ready for work, job roles and bodies and certification. **LO5- Understand ethical and operational issues and threats to computer systems** Ethical and operational issues Threats, physical and digital security including data and system disposal	**Exam Revision** **Exam**	Unit 6 L01 & Unit 8 L01 Application development models Project methodologies Project life cycle
	Unit 2: Global Information	**LO1- Where information is held globally** Holders of information Types of information Storage media Types of information access and storage devices The internet & WWW technologies	**LO2 -Understand the styles, classification and the management of global information** Learn about different information styles to understand how they are used for different purposes. How Classifications impact on holders of information and the need access to good quality information and the impacts when information quality is poor. Information management **LO3- Understand the use of global information and the benefits to individuals and organisations.** Learn the difference between data and information	**LO3 Ctd-** Categories of information used by individuals and organisations. Stages of data analysis and the tools used. Information System Structures including benefits and drawbacks- Big data **LO4- Understand the legal and regulatory framework governing the storage and use of global Information.** Learn actions required to comply with legislation and know the applicable laws.	**LO4 ctd-** Learn how legalisation is applied around the globe. IT and the environment will be covered **LO5- Understand the process flow of information.** Data types and sources, Interpret and complete Data Flow diagrams. Impacts to data flow **LO6 Understand the principles of information security** Learn the main Security Principles for data storage, the risks and impacts of security issues. How these can be prevented through physical and logical protection.	**Revision using a case scenario released by exam board** **Exam**	

	Website Design and Theory	Client Requirements, Feasibility Study, Business Case	Web Skill Building, Planning, design,	Report, Testing, Evaluation Tasks	Improvements, Client presentations, Final Evaluation.	
YEAR 13 Ctec Level 3 IT Introductory Diploma -Application Developer Route	Will complete Assignment 1 Covers Unit 21 P1 and M1- Describe the elements of a website and discuss security threats and prevention	Gather requirements from client. Students then use this to create documents outlining customer needs as part of the gathering requirements stage of their methodology and develop ideas to form solutions- this forms Assignment 2 (Covers Unit 6 -P2 & M2, Unit 8- P3 & D2, Unit 21-P2)	Students will learn to use Dreamweaver and use web-building skills learnt to produce a prototype to present to the client. Feedback to be used to improve product with justifications. This forms Assignment 3 (Covers Unit 6- P3, P4, M3, D1, Unit 8- P4 & M2, Unit 21- P3 & D1)	Students will now start Assignment 4 (Covers Unit 6- P5 & P6, Unit 8-P5, Unit 21- P4, M2 & D2) They will create the prototype website that is based on their designs agreed with the client. Testing will be carried out and reviews carried out at every stage. Work documented and evaluated against client needs	Improvement of prototype from client feedback, documentation produced to professional level and a final client presentation. Project will then be evaluated with a Project closure report being produced. This forms the final assignment (covers Unit 6- P6 (ctd) & D2, Unit 8- P6, M3 & D3, Unit 21- P5 & M3)	