BTEC Tech Award in Digital Information Technology Curriculum Map

	Autumn Term	Spring Term	Summer Term
Year 10	**Component 1: Exploring User Interface Design Principles and Project Planning Techniques** A: Investigate user interface design for individuals and organisations B: Use project planning techniques to plan and design a user interface C: Develop and review a user interface A1: What is a user interface A2: Audience Needs A3: Design principles A4: Designing an efficient user interface A5: Investigate user interface design for individuals and organisations 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	**Pearson Set Assignment: Component 1 - Exploring User Interface Design Principles and Project Planning Techniques** The assignment for this component consists of **four** tasks. **Task 1:** Project proposal template and planning document using a project proposal brief, taking into consideration the purpose and audience, project requirements, user accessibility needs and any constraints. 1.5 hours to complete. **Task 2:** Design an initial user interface for four screens of a user interface. 1.5 hours to complete. **Task 3:** Develop a working prototype of the four screens of the user interface. 2 hours to complete. **Task 4:** Review the user interface and project planning techniques. 1 hour to complete.	**Component 2: Collecting, Presenting and Interpreting Data** A: Investigate the role and impact of using data on individuals and organisations B: Create a dashboard using data manipulation tools C: Draw conclusions and review data presentation methods 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 B1: Data processing methods B2: Produce a dashboard C1: Drawing conclusions based on the data C2: How presentation affects understanding

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Year 11	**Pearson Set Assignment: Component 2 - Collecting, Presenting and Interpreting Data** The assignment for this component consists of **three** tasks. **Task 1:** Explore the suitability of two given data collection methods used by an organisation for a given dataset. 1 hour to complete. **Task 2:** Carry out different manipulation and processing methods to create a dashboard, providing data summaries using appropriate presentation methods and features. 2.5 hours to complete. **Task 3:** Analyse a dataset, present findings and draw conclusions based on these findings. 2.5 hours to complete.	**Component 3: Modern Technology, Cyber Security, Wider implications of digital systems, Planning and Communicating in Digital Systems** A: Modern technologies B: Cyber security C: The wider implications of digital systems D: Planning and communication in digital systems A1: Modern technologies A2: Impact of modern technologies B1: Threats to data B2: Prevention and management of threats to data B3: Policy C1: Responsible use C2: Legal and ethical D1: Forms of notation	**Revision for final external assessment Component 3: Effective Digital Working Practices** The main synoptic assessment for the qualification. Component 3 builds directly on Components 1 and 2 and enables learning to be brought together and related to a real-life situation. Exam early May