Year 10   Subject: BTEC DIT

Half term	Objectives/ enquiry questions	Content	Skills	Assessment
Term 1-2:	**Component 1:** Exploring User Interface Design Principles and Project Planning Techniques	Learning outcome A: Understand interface design for individuals and organisations	Learning aim A enables pupils to demonstrate and apply knowledge and understanding on the following: Investigating user interface, Understand audience needs and be able design an efficient user interface for individuals and organisation.	Lesson activities, use of past questions to learn exam techniques, Learning Aim A and homework understanding checks, end of unit teacher assessment. **Homework** Homework once a week to assess specific content and skills covered.
Term 1-2:	Project Planning Techniques and project proposal and plan.	Learning outcome B: Be able to use project planning techniques to plan, design and develop a user interface	Learning aim B enables pupils to demonstrate and apply knowledge and understanding of the use of project planning techniques on how planning a project and design an interactive user interface.	Lesson activities, use of past questions to learn exam techniques, Learning Aim B and homework understanding checks, end of unit teacher assessment. **Homework** Homework once a week to assess specific content and skills covered.
Term 1-2:	Evaluate	Critically evaluate exploring user interface design principles and project planning techniques and collecting, presenting and interpreting data	This topic enables pupils to demonstrate and apply knowledge and evaluation on component 1& 2 topics that has being taught thus far by demonstrating, understanding and evaluation learning.	Lesson activities, use of past questions to learn exam techniques, Learning Aim C and homework understanding checks, end of unit teacher assessment. **Homework** Homework once a week to assess specific content and skills covered.
Term 1-2	End of term 2: Component 1 PSA	Past Exam questions papers.	Understanding exams layout/ techniques and how to answer exam questions, time management.	Practice Exam papers / theory topic and understanding of each component learning checks for Homework
Term 3-4	**Component 2:** Characteristics of data information and representing information	Learning outcome A: Understand how data is collected by organisations and its impact on individuals	This topic enables pupils to demonstrate and apply knowledge and understanding of what is learnt from component 2 based on the following: following. Characteristics of data information, representing information and ensuring data is suitable for processing.	Students will submit a completed python challenge at the end of each programing task in the topic for checking. **Homework:** Programming challenge will be set and students will submit their completed codes.
Term 4	Data processing methods	Learning outcome B: Be able to create a dashboard using data manipulation tools	This topic enables pupils to demonstrate and apply knowledge and understanding on the following: data processing methods and producing a dashboard.	Lesson activities, use of past questions to learn exam techniques, Learning Aim B and homework understanding checks, end of unit teacher assessment. **Homework**

				Homework once a week to assess specific content and skills covered.
Term 4	Drawing conclusions based on finding in the data and presenting effects understanding.	Learning outcome C: Be able to draw conclusions and review data presentation methods	This topic enables pupils to demonstrate and apply knowledge and understanding on the following: Drawing conclusions based on findings in the data and How presentation affects understanding	Lesson activities, use of past questions to learn exam techniques, Learning Aim C and homework understanding checks, end of unit teacher assessment. **Homework** Homework once a week to assess specific content and skills covered.
Term 4	End of term 4: Component 2 PSA	Past Exam questions papers.	Understanding exams layout/ techniques and how to answer exam questions, time management.	Practice Exam papers / theory topic and understanding of each component learning checks for Homework
Term 5-6	**Term 5-6:** Component 3: Effective Digital Working Practices. (Modern technologies)	Learning Aim A: Modern technologies.	Component 3 enable pupils to demonstrate and apply knowledge and understanding on Modern technologies and their impact on organisations and individuals.	Lesson activities, use of past questions to learn exam techniques, Learning Aim A and homework understanding checks, end of unit teacher assessment. **Homework** Homework once a week to assess specific content and skills covered.
Term 5-6	Cyber security	Learning Aim B: Threats to data systems and how an organisation can manage them.	Component 3 enable pupils to demonstrate and apply knowledge and understanding on the knowing the security issues with open networks and performance issues with ad hoc networks.	Lesson activities, use of past questions to learn exam techniques, Learning Aim B and homework understanding checks, end of unit teacher assessment. **Homework** Homework once a week to assess specific content and skills covered.