



Y10 BTEC DiT - CURRICULUM PLANNING SEQUENCE

Subject	Year	Term	Big Ideas	Topics	Subject Learning Checklist
BTEC Digital IT L2 Year 1	Year 10	Term 1 - 35hrs	Comp1 LA.A: Investigate user interface design for individuals and organisations	A1 What is a user interface?	Definition of user interface Types of interface Range of uses Factors affecting the choice of user interface Hardware and software influences
				A2 Audience needs	Accessibility needs Skill level Demographics
				A3 Design principles	Colours Font style/sizes Language Amount of information Layout User perception Retaining user attention Intuitive design
				A4 Designing an efficient user interface	Use of keyboard shortcuts. Informative feedback. Easy reversal of actions. Ensuring buttons/links are distinguishable. Using bigger objects to influence selection and reduce selection time. Making objects stand out to reduce focus time. Placing related objects next to each other to reduce selection time.
		Term 2 - 30hrs	Comp1 LA.B: Use project planning techniques to plan and design a user interface	B1 Project planning techniques	Planning tools Methodologies
				B2 Create a project plan	SMART aims/objectives Audience and purpose Project requirements Timescales Constraints Risks
				B3 Create an initial design	
		Term 3 - 30 hrs	Comp1 LA.C: Develop and review a user interface	C1 Developing a user interface (page 19)	Features Inputs, outputs, navigation methods... etc
				C2 Refining the user interface	Refining the designs User feedback, agile model until design is complete Document the changes made through each iteration.
				C3 Review	Strengths and weaknesses of the user interface Strengths and weaknesses of the project planning techniques
			Comp2 LA.A: Investigate the role and impact of using data on individuals and organisations	A1 Characteristics of data and information (page 33)	Characteristics of data Characteristics of information
				A2 Representing information	Text, Numbers, Tables, Graphs/Charts & Infographics
				A3 Ensuring data is suitable for processing	Validation Methods Verification Methods
				A4 Data Collection (Page 34)	Data Collection Methods Data Collection Features Big Data
				A5 Quality of information and its impact on decision making	Quality of information factors (accuracy, source, volume)
				A6 Sectors that use data modelling	Types of sectors Data modelling in decision making
				A7 Threats to individuals	Threats to individuals
			Comp2 LA.A B: Create a dashboard using data manipulation tools	B1 Data Processing Methods	Data manipulation methods - Importing files Data manipulation methods - Simple formula Data manipulation methods - Decision making functions Data manipulation methods - Lookup Functions Data manipulation methods - string operations Data manipulation methods - Count functions Data manipulation methods - Logical Operations Data manipulation methods - Sorting Data manipulation methods - Outlining and Filtering, Text to columns Other Processing Methods - Absolute and Relative Referencing Other Processing Methods - Macros Other Processing Methods - Data Validation Other Processing Methods - Multiple & linked worksheets Other Processing Methods - Comments, Views, Conditional Formatting
				B2: Produce a dashboard	Show Data Summaries from the data set Appropriate presentation methods use appropriate presentation features