



BTEC L2 DiT Yr 1 - Curriculum Planning Sequence

Subject	Year	Term	Big Ideas	Topics	Subject Learning Checklist
BTEC Digital IT L2 Year 1	Year 10	Term 1 - 35hrs	Comp1 L.A.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 L.A.B: Use project planning techniques to plan and design a user interface	B1 Project planning techniques	Planning tools Methodologies SMART aims/objectives Audience and purpose Project requirements
				B2 Create a project plan	Timescales Constraints Risks
				B3 Create an initial design	
		Term 3 - 30 hrs	Comp1 L.A.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
		Term 3 - 30 hrs	Component 3 L.A.A Modern technologies	A1 Modern technologies (page 49)	Communication technologies Features and uses of cloud storage Features and uses of cloud computing
					How the selection of platforms and services impacts on the use of cloud technologies How cloud and 'traditional' systems are used together Implications for organisations when choosing cloud technologies Changes to modern teams facilitated by modern technologies How modern technologies can be used to manage modern teams How organisations use modern technologies to communicate with stakeholders How modern technologies aid inclusivity and accessibility Positive and negative impacts of modern technologies on organisations
Component 3 L.A.B Cyber security	A2 Impact of modern technologies (page 50)		Positive and negative impacts of modern technologies on individuals		
			Why systems are attacked External threats (threats outside the organisation) to digital systems and data security		
			B1 Threats to data (page 51)	Internal threats (threats within the organisation) to digital systems and data security Impact of security breach	
			B2 Prevention and management of threats to data	User access restriction Data level protection Finding weaknesses and improving system security Defining responsibilities Defining security parameters Disaster recovery policy	
	B3 Policy (page 52)	Actions to take after an attack			