

Year Group	Unit I	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Year Group Year 10 Level 1/2 BTEC Tech Award Digital Information Technology	Component I:  AI: Understanding User Interface and Project Planning  Types of User Interfaces  Text-based Speech/Natural Language Graphical User Interface (GUI) Sensors Menu/Forms  Factors Affecting User Interface Choice Performance/R	Component I:  AI: Understanding User Interface and Project Planning (Continued)  Audience Needs  Accessibility Requirements Skill Levels Demographics  Design Principles  Colours and Textures Font Style and Size Language Amount of	Unit 3  Component I:  BI: Using Project Planning Techniques  Planning Tools  Task Lists  Descriptions  Gantt Charts  Mood Boards  Mind maps  Methodologies  Waterfall  Agile  Scrum  Creating a Project Proposal	Unit 4  Component I:  B2: Designing and Developing User Interfaces  Creating an Initial Design  • Meeting User Requirements • Design Specification • User Confidence and Familiarity  Developing a User Interface  Initial Design Implementation	Unit 5  Component I:  CI: Reviewing and Improving User Interfaces  Reviewing the User Interface  • Assessing Strengths and Weaknesses  • Audience Suitability  • Ease of Use  • Accessibility Features  • Meeting Design Principles  Suggesting Improvements	Component 2:  A1: Characteristics of Data and Information  Concepts of Data and Information  Characteristics of Data  Characteristics of Information  A2: Representing Information  Different Ways of Representing Information  A3: Ensuring Data is Suitable for
	esponse Time  Ease of Use  User Requirements  User Experience		<ul> <li>Proposal</li> <li>Purpose and Audience</li> <li>Project Requirements</li> <li>User Accessibility</li> </ul>	Implementation		is Suitable for Processing Validation and Verification Methods
	<ul> <li>Accessibility</li> <li>Storage Space</li> <li>Hardware and</li> <li>Software</li> <li>Influences</li> </ul>	Intuitive Design     Designing an     Efficient User     Interface	Requirements			<ul> <li>A4: Data Collection</li> <li>Data Collection Methods</li> <li>Data Collection Features</li> </ul>

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	<ul> <li>Operating         Systems/Platfor         ms</li> <li>Screen Types         and Sizes</li> <li>User Input         Methods</li> <li>Hardware         Resources</li> <li>Emerging         Technologies</li> </ul>	Use of Keyboard Shortcuts Informative Feedback Easy Reversal of Actions Distinguishable Buttons/Links Enlarged Objects Objects Objects That Stand Out Grouping Related Objects	• Milestones			A5: Quality of Information  Factors Affecting Information Quality  A6: Sectors that use Data Modelling  Different Sectors Utilising Data Modelling  A7: Threats to Individuals  Threats to Individuals Related to Data Storage
Skill(s) Practical	Understanding different types of user interfaces.	Understanding different types of user interfaces.	Utilising project planning tools such as Gantt Charts, Task Lists, and Mind Maps.	Creating an initial design that meets user requirements and design specifications.	Reviewing user interfaces by assessing their strengths and weaknesses.	Developing a practical understanding of data and information characteristics, data collection methods, and
Communication & Interpersonal	Collaborating with others to plan and develop user interfaces.	Collaborating with others to plan and develop user interfaces.	Collaborating with team members to create a project	Collaborating with users and stakeholders to ensure the user interface design	Collaborating with stakeholders to evaluate audience suitability and	different sectors using data modelling.  Collaborating effectively with teams and



Resilience	Adapting to changes in user interface design	Adapting to changes in user interface design	proposal that addresses purpose, audience, requirements, and constraints.	instils confidence and familiarity.  Adapting the initial design	gather feedback on ease of use and accessibility features.	professionals in various sectors.
	based on emerging technologies.	based on emerging technologies.	Adapting project plans based on changing	based on feedback and changing user requirements.	Adapting the user interface review process based on findings	Adapting to changing data conditions and dealing with
Critical Thinking	Evaluating the pros and cons of different user interface types.	Evaluating the pros and cons of different user interface types.	timescales and milestones.	Evaluating and refining the design	and feedback.  Analysing the user interface	threats related to data storage.  Analysing data
	Taking the lead in proposing user interface options.	Taking the lead in proposing user interface options.	Evaluating and selecting the most suitable project planning methodology (Waterfall, Agile, or Scrum) for a given project.	specification to optimise user interface development.	against design principles to identify areas for improvement.	and information characteristics, evaluating methods for representing information, identifying factors affecting
Initiative	Taking the lead in proposing user interface options.	Taking the lead in proposing user interface options.	Taking the lead in creating a project proposal that effectively	Taking the lead in developing the user interface based on the initial design.	Taking the lead in suggesting and implementing improvements to enhance the user	information quality, and addressing threats.  Taking proactive steps to enhance
Complex Problem Solving	Solving complex issues related to user interface design and implementation.	Solving complex issues related to user interface design and implementation.	communicates project requirements and user accessibility needs.	Addressing complex challenges in the	Addressing complex issues in the user	information quality.



Productivity and Accountability	Managing project planning efficiently to meet deadlines and goals.	Managing project planning efficiently to meet deadlines and goals.	Addressing complex issues related to project planning, such as managing constraints and balancing timescales.  Managing project planning efficiently to meet deadlines and milestones.	implementation of the initial design.  Managing the development process efficiently to ensure the successful implementation of the user interface.	interface by proposing effective improvements.  Managing the review and improvement process efficiently to ensure the user interface meets high standards.	Finding solutions to mitigate threats and complex issues related to data.  Managing datarelated tasks efficiently to ensure data readiness for processing.
PD/T&E	Effective time management for project planning.	User-centred design principles.	Agile project management practices.	Enhancing user interface accessibility.	User-centric design principles.	Ethical data handling and privacy considerations.
Futures	Project Manager (in a tech company)	User Experience (UX) Designer	Agile Project Manager	Web Accessibility Specialist	Usability Analyst	Data Privacy Officer
Year II  Level I/2 BTEC Tech Award Digital Information Technology	Component 2:  BI: Data Processing Methods  Data Manipulation Methods Advanced Manipulation Methods	Component 2:  C1: Drawing Conclusions based on Findings in the Data  • Drawing Conclusions from a Dataset and Dashboard	Component 3: The Exam: The brief will be released in February 2024 and the deadline for submission is May 2024	Component 3:  The Exam:  Ideas Log Planning Material Final Product(s) and a Technical and Review Record	Catch-up opportunity	



	<ul> <li>Other Processing Methods</li> <li>B2: Producing a Dashboard</li> <li>Showing Data Summaries</li> <li>Appropriate Presentation Methods</li> <li>Using Appropriate Presentation Features</li> </ul>	Identifying     Findings  C2: How Presentation Affects Understanding Investigating the Impact of Presentation Methods and Features      Avoiding     Misinterpretati     on     Preventing Bias     Ensuring     Accurate     Conclusions			
Skill(s) Practical  Communication &	Gaining practical knowledge of data processing methods, including data manipulation, advanced manipulation, and other processing methods.	Developing practical skills to draw conclusions from datasets and dashboards, and investigating the impact of presentation methods and features.  Collaborating with team	Understanding of brief & planning of the solution  Analysis, production and	Development of brief & actioning of a solution  Professional log	



Interpersonal	Collaborating	members to	application skills		
	with team	ensure accurate			
	members and	conclusions and			
	stakeholders to	effective			
	produce	presentations			
	informative	that avoid			
	dashboards and	misinterpretatio			
	present data	n and bias.			
	summaries			Continuity in	
Resilience	effectively.	Adapting	Completion of a	planning and	
Resilience	•	conclusions and	project to near-	improvement	
		presentation	professional	•	
	Adapting data	methods based	standard		
	processing	on feedback and			
	methods to	changing			
	changing	requirements.			
	requirements			Creative solution	
Critical Thinking	and data	Evaluating the	Creative solution	to a given brief	
	conditions.	impact of	to a given brief	(re-dress,	
		different	(re-dress,	creation,	
		presentation	creation,	contexts,	
	Evaluating the	methods and	contexts,	transferable	
	most suitable	features on data	transferable	skills etc.)	
	data	understanding,	skills etc.)		
	manipulation	and ensuring that			
	methods,	conclusions are			
	presentation	accurate.			
	methods, and	accurace.			
	features for				
Initiative	producing	Taking the lead		Project	
	informative	in drawing	Project solution	development and	
	dashboards.	accurate	rroject solution	finalisation	
	uasiibuarus.	conclusions from		IIIIalisation	
	Taking the load	data and			
	Taking the lead				
Complex Problem	in producing	preventing bias			
Solving	dashboards that	in presentations.			



Productivity and Accountability	effectively present data summaries.  Addressing complex challenges in data processing and dashboard production.  Managing data processing tasks efficiently to ensure accurate and informative dashboards are produced.	Addressing complex challenges related to data analysis and presentation to ensure accurate and unbiased conclusions.  Managing data analysis and presentation tasks efficiently to ensure accurate and unbiased conclusions are drawn.	Whole project creation (knowledge and skills  Completion against set standards	Creative skills application  Completion against set standards	
PD/T&E	Ethical considerations in data processing, such as privacy and data security.	Ethical considerations in data presentation, like ensuring data accuracy and avoiding bias.	Ethical considerations in project development, including privacy and data handling.	Post 16 choices.	
Futures	Data Analyst or Data Scientist	Business Intelligence Analyst or Data Visualisation Specialist	Project Manager or IT Consultant		