

CURRICULUM MAP 2025/26

BTEC Tech Awards in Digital Information Technology

	YEAR 10					
	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Topics	<p>Topic 1, Learning Aim A: Investigate user interface design for individuals and organisations</p> <p>Topic 1, Learning Aim B: Use project planning techniques to plan and design a user Interface</p> <p>Topic 1, Learning aim C: Develop and review a user interface</p>	Practice PSA	Actual PSA	<p>Topic 2, Learning aim A: Investigate the role and impact of using data on individuals and organisations</p> <p>Topic 2, Learning aim B: Create a dashboard using data manipulation tools</p>	Topic 2, Learning aim C: Draw conclusions and review presentation methods	Practice PSA
Key skills & Concepts	<ul style="list-style-type: none"> - Types of interfaces - Hardware and software influences - Audience needs - Accessibility issues - Application of design principles - Design for efficiency 	<p>Learners will investigate different planning tools and design methodologies that can be used to plan, monitor and execute projects.</p> <p>Planning tools (task lists, Gantt charts, mind maps, mood boards).</p> <p>Methodologies (waterfall vs iterative).</p> <p>SMART aims / objectives Risks / contingencies</p>	<p>Learners will demonstrate their skills to create, refine and review a user interface. To include:</p> <p>Awareness of intended device, e.g. touchscreen, watch</p> <p>How the user requirements have been met</p> <p>Outputs, e.g. error messages, sounds</p> <p>Navigation methods</p>	<p>Learners will understand the concepts of data and that data is meaningless without converting it into information by adding structure and context.</p> <p>Learners will understand the methods that can be used to ensure data input is valid and within boundaries so that it is ready to be processed.</p> <p>They will understand the different ways of representing information and will be able to explain situations where they would be used.</p>	<p>Learners will develop an understanding of how data can be imported from an external source. They will then explore how to apply data processing methods.</p> <p>Learners will be able to apply a range of data manipulation skills to identify patterns within large data sets.</p> <p>Learners will learn to create and use a dashboard to select and display information summaries based on a given large data set.</p>	<p>Learners will learn to draw conclusions on a data set, using a data dashboard in order to make recommendations.</p> <p>Learners will develop their understanding of how they can avoid:</p> <ul style="list-style-type: none"> - information being misinterpreted - information being biased - inaccurate conclusions being made

<p>Endpoints</p>	<p>Students will have created a report analysing two different types of user-interfaces. In doing so they will have covered all elements covered in the concepts above.</p>	<p>Students to have fully planned and designed a user interface. In doing so they will have met the requirements of Learning Aim B: Use project planning techniques to plan and design a user interface.</p>	<p>Students to have created, refined and reviewed a user interface. In doing so they will have met the requirements of Learning aim C: Develop and review a user interface.</p>	<p>Students to have fully investigated, described and reviewed two large data sets. In doing so they will have met the requirements of Learning aim A: Investigate the role and impact of using data on individuals and organisations.</p>	<p>Students to have created a fully functional data dashboard using a range of complex data analysis tools. In doing so they will have met the requirements of Learning aim B: Create a dashboard using data manipulation tools.</p>	<p>Students will have drawn conclusions based on the use of their data dashboard, and will have reflected on the quality of conclusions drawn. In doing so they will have met the requirements of Learning aim C: Draw conclusions and review presentation methods.</p>
<p>Assessment</p>	<p>Formal CA assessment, Topic 1, Learning Aim A: Investigate user interface design for individuals and organisations.</p>	<p>Formal CA assessment, Topic 1, Learning Aim B: Use project planning techniques to plan and design a user interface.</p>	<p>Formal CA assessment, Topic 1, Learning aim C: Develop and review a user interface.</p>	<p>Formal CA assessment, Topic 2, Learning aim A: Investigate the role and impact of using data on individuals and organisations.</p>	<p>Formal CA assessment, Topic 2, Learning aim B: Create a dashboard using data manipulation tools.</p>	<p>Formal CA assessment, Topic 2, Learning aim C: Draw conclusions and review presentation methods</p>