

# Curriculum Overview 2024-25 Digital Information Technology

Curriculum overview for Year 10 BTEC Digital Information Technology

Year 10 Half term 1 & 2 – Theory & Skills Building for PSA 1			Half Term 3 & 4 Jan – May 25 Sitting and Submitting PSA 1		Half term 5 & 6 – Theory & Skills Building PSA 2	
TERM	Autumn HT 1	Autumn HT 2	Spring HT 1	Spring HT 2	Summer HT 1	Summer HT 2
Curriculum Content:  Priority Essential knowledge and skills that will be taught.	<p><b>Exploring User Interface design principles and project planning techniques.</b></p> <p><b>Prior Learning</b> <i>Year 9 user interface unit.</i></p> <p><b>Key Knowledge:</b> <b>A1: User Interfaces</b></p> <p>A1 User interfaces A2 Audience needs A3 Design principles A4 Designing an efficient user interface</p>	<p><b>Exploring User Interface design principles and project planning techniques.- Assessment</b></p> <p><b>Prior Learning</b> <i>Year 9 user interface unit.</i></p> <p><b>Key Knowledge:</b> <b>Project Planning techniques</b></p> <p>B1 Project planning techniques B2 Creating a project proposal and plan B3 Creating an initial design B4 Developing a user interface</p>	<p><b>PSA Component 1</b></p> <p><b>Prior Learning</b> <i>Year 9 user interface unit.</i></p> <p><b>Key Knowledge:</b> Review, Planning, Techniques, Criteria, Design Principles, Features, Accessibility, audience, interface, ease of use.</p> <p><b>Review User Interface</b></p> <p>PSA Component 1  User Interface Task 1 PSA: Task 2</p>	<p><b>PSA Component 1</b></p> <p><b>Prior Learning</b> <i>Year 9 user interface unit.</i></p> <p><b>Key Knowledge:</b> PSA, Component, Assessment, Objectives, Methodologies, Project Proposal, Timescales, Accessibility, Software, Hardware, Design, Needs, Considering, Constraints, PSA, Component, Assessment, Objectives, Methodologies, Project Proposal,</p>	<p><b>Understand how data is collected and used by organisations and its impact on individuals</b></p> <p><b>Prior Learning</b> <i>Year 7,8,9 units looking at data and spreadsheets</i></p> <p><b>Key Knowledge:</b> A1 Characteristics of data and information A2 Representing information A3 Ensuring data is suitable for processing A4 Data collection A5 Quality of information A6 Sectors that use data modelling A7 Threats to individuals</p>	<p><b>Collecting, Presenting and Interpreting Data – Assessment</b></p> <p><b>Prior Learning</b> <i>Year 7,8,9 units looking at data and spreadsheets</i></p> <p><b>Key Knowledge:</b> B1 Data processing methods B2 Producing a dashboard</p>

	<p><b>Skills:</b> Topic Research, Review, developing time management and project planning documents. Developing a product design, developing a product. Exploring the strengths and weaknesses of work completed.</p> <p><b>Future links.</b> <i>This unit builds upon the students' knowledge user interfaces will allow them to navigate user interfaces with a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>	<p><b>Skills:</b> Topic Research, Review, developing time management and project planning documents. Developing a product design, developing a product. Exploring the strengths and weaknesses of work completed.</p> <p><b>Future links.</b> <i>This unit builds upon the students' knowledge user interfaces will allow them to navigate user interfaces with a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>	<p><b>Future links.</b> <i>This unit builds upon the students' knowledge user interfaces will allow them to navigate user interfaces with a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>	<p>Timescales, Accessibility, Software, Hardware, Design, Needs, Considering, Constraints, Review, Planning, Techniques, Criteria, Design Principles, Features, Accessibility, audience, interface, ease of use.</p> <p>PSA: Task 3 PSA: Task 4</p> <p>PSA: Improvements</p> <p><b>Future links.</b> <i>This unit builds upon the students' knowledge user interfaces will allow them to navigate user interfaces with a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>	<p><b>Skills:</b> Application research to develop report, development of spreadsheet skills in creation of dashboard.</p> <p><b>Future links.</b> <i>This unit builds upon the students' knowledge of data and information from year 9 and provides a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>	<p><b>Skills:</b> Application of review skills, exploring strengths and weaknesses of developed dashboard.</p> <p>Topic Research for C3 Exploring uses of technology to applying to real world.</p> <p><b>Future links.</b> <i>This unit builds upon the students' knowledge of data and information from year 9 and provides a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>
<b>Assessment</b>	<p><b>Home works – KIAN In lesson WCF</b></p> <p>Task 1a: Project Proposal Task 1b:</p>	<p><b>Home works - KIAN Coursework Feedback</b></p>	<p><b>Home works- KIAN In lesson WCF</b></p> <p>PSA: Task 1 PSA: Task 2</p>	<p><b>Home works - KIAN</b></p> <p>PSA: Task 3 PSA: Task 4 PSA: Improvements</p>	<p><b>Home works - KIAN Coursework Feedback</b></p> <p>Task 1: Data Collection methods</p>	<p><b>Home works - KIAN End of Topic quizzes</b></p> <p>Task 3a: Effectiveness of the dashboard Task</p>

	Planning Timescales Task 2: Interface Design	Task 3: Prototype User Interface Task 3: Prototype User Interface 2 Task 3: Prototype User Interface 3			Task 2a and 2b: Use Data Manipulation Methods Task c: Create a dashboard	3b: How Presentation affects understanding
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**Curriculum overview for Year 11 BTEC Digital Information Technology**

Year 11 Half term 1 & 2 – Sitting and Submitting PSA 2			Half Term 3 & 4 Jan – May 25 Resits (if required PSA 1)		Half term 5 & 6 – Theory & Revision for May exam	
TERM	Autumn HT 1	Autumn HT 2	Spring HT 1	Spring HT 2	Summer HT 1	Summer HT 2
<p><b>Curriculum Content:</b></p> <p><b>Priority Essential knowledge</b> and skills that will be taught.</p>	<p>Component 2 Collecting, presenting and interpreting data</p> <p><b>Prior Learning</b> <i>Year 7,8,9 units looking at data and spreadsheets</i></p> <p><b>Key Knowledge:</b> <b>A:</b> Understand how data is collected by organisations and its impact on individuals <b>B:</b> Be able to create a dashboard using data manipulation tools <b>C:</b> Be able to draw conclusions and review data presentation methods</p> <p>PSA assessment task for Component 2 (Outcomes A, B &amp; C)</p>	<p>Component 2 Collecting, presenting and interpreting data</p> <p><b>Prior Learning</b> <i>Year 7,8,9 units looking at data and spreadsheets</i></p> <p><b>Key Knowledge:</b> <b>PSA Component 2</b></p> <p><b>B:</b> Be able to create a dashboard using data manipulation Tools <b>C:</b> Be able to draw conclusions and review data presentation methods</p> <p>PSA: Task 2 PSA: Task 3 PSA: Task 4 PSA: Improvements</p>	<p>Effective Digital Working Practices: <b>Revision</b></p> <p><b>Prior Learning</b> <i>Components 1 and 2</i></p> <p><b>Key Knowledge:</b> <b>A1-A2</b> Modern technologies <b>B1-B3</b> Cyber Security <b>C1-C2</b> The wider implications of digital systems <b>D1</b> Planning and communication in digital systems</p>	<p>Effective Digital Working Practices: <b>Revision</b></p> <p><b>Prior Learning</b> <i>Components 1 and 2</i></p> <p><b>Key Knowledge:</b> <b>A1-A2</b> Modern technologies <b>B1-B3</b> Cyber Security <b>C1-C2</b> The wider implications of digital systems <b>D1</b> Planning and communication in digital systems</p>	<p>Effective Digital Working Practices: <b>Revision</b></p> <p><b>Prior Learning</b> <i>Components 1 and 2</i></p> <p><b>Key Knowledge:</b> <b>A1-A2 Modern technologies</b> <b>B1-B3 Cyber Security</b> <b>C1-C2 The wider implications of digital systems</b> <b>D1 Planning and communication in digital systems</b></p>	<p><b>Final Assessment</b> Assessment – written assessment of key concepts and techniques in modern technologies assessment of and cyber security (B)</p> <p><b>Prior Learning</b> <i>Components 1 and 2</i></p> <p><b>Key Knowledge:</b> Understanding of cloud technology and how the impacts on modern working businesses Accessibility issues and how modern technologies can make a working environment more inclusive Data security and implications of data breaches including disaster recovery Environmental impact of increased use of technology</p>

	<p>PSA: Task 1</p> <p><b>Skills:</b> Exam techniques Revisit- Recall – Revise</p> <p><b>Future links.</b> <i>This unit builds upon the students' knowledge of data and information from year 9 and provides a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>	<p><b>Skills:</b> Exam techniques Revisit- Recall - Revise</p> <p><b>Future links.</b> <i>This unit builds upon the students' knowledge of data and information from year 9 and provides a deeper knowledge in the future also links to DIT Component 3 concepts.</i></p>	<p><b>Skills:</b> Exam techniques Revisit- Recall - Revise</p> <p><b>Future links.</b> <i>This unit provides students with the understanding of how digital technologies are used within the working world.</i></p>	<p><b>Skills:</b> Exam techniques Revisit- Recall - Revise</p> <p><b>Future links.</b> <i>This unit provides students with the understanding of how digital technologies are used within the working world.</i></p>	<p><b>Skills:</b> Exam techniques Revisit- Recall - Revise</p> <p><b>Future links.</b> <i>This unit provides students with the understanding of how digital technologies are used within the working world.</i></p>	<p><b>Skills:</b> Exam techniques Revisit- Recall – Revise</p> <p><b>Future links.</b> <i>This unit provides students with the understanding of how digital technologies are used within the working world.</i></p>
Assessment	Home works – KIAN In lesson WCF Practice questions	Home works – KIAN In lesson WCF Practice Questions	Home works – KIAN In lesson WCF Practice Questions	Home works – KIAN In lesson WCF Practice Questions	Home works – KIAN In lesson WCF Practice Questions	N/A