

Curriculum Overview 2025-26 Computing & Business

Curriculum overview for Year 10 BTEC Digital Information Technology

Year 10	Half Term 3 & 4 Jan – May 25 Sitting and Submitting PSA 1	Half term 5 & 6 – Theory & Skills Building PSA 2
Half term 1 & 2 – Theory & Skills Building for PSA 1		

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.	Exploring User Interface design principles and project planning techniques. Prior Learning: Year 9 user interface unit. Key Knowledge: A1: User Interfaces A1 User interfaces A2 Audience needs A3 Design principles A4 Designing an efficient user interface	Exploring User Interface design principles and project planning techniques.- Assessment Prior Learning: Year 9 user interface unit. Key Knowledge: Project Planning techniques B1 Project planning techniques B2 Creating a project proposal and plan B3 Creating an initial design B4 Developing a user interface	PSA Component 1 Prior Learning: Year 9 user interface unit. Key Knowledge: Review, Planning, Techniques, Criteria, Design Principles, Features, Accessibility, audience, interface, ease of use. Review User Interface PSA Component 1 User Interface Task 1 PSA: Task 2	PSA Component 1 Prior Learning: Year 9 user interface unit. Key Knowledge: PSA, Component, Assessment, Objectives, Methodologies, Project Proposal, Timescales, Accessibility, Software, Hardware, Design, Needs, Considering, Constraints, PSA, Component, Assessment, Objectives, Methodologies, Project Proposal, Timescales, Accessibility, Software, Hardware, Design, Needs, Considering, Constraints, Review, Planning, Techniques, Criteria, Design Principles, Features,	Understand how data is collected and used by organisations and its impact on individuals Prior Learning: Year 7,8,9 units looking at data and spreadsheets Key Knowledge: 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	Collecting, Presenting and Interpreting Data – Assessment Prior Learning: Year 7,8,9 units looking at data and spreadsheets Key Knowledge: B1 Data processing methods B2 Producing a dashboard

	Skills: 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. Future Links: 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.	Skills: 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. Future Links: 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.	Future Links: 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.	Accessibility, audience, interface, ease of use. PSA: Task 3 PSA: Task 4 PSA: Improvements Future Links: 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.	Skills: Application research to develop report, development of spreadsheet skills in creation of dashboard. Future Links: 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.	Skills: Application of review skills, exploring strengths and weaknesses of developed dashboard. Topic Research for C3 Exploring uses of technology to applying to real world. Future Links: 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.
SIAMS	As students develop their skills in a range software they are challenged to work in groups to find solutions whilst developing respect for the ideas and opinions of others in	Through real life case studies, students consider issues surrounding the misuse and access rights to personal data.	The use of case studies in Computing encourages students to draw conclusions through evidence rather than their preconceptions whilst	Pupils consider the effects of social networking and the consequences of cyber bullying, they also consider the legal aspects of Computing including the Data	They consider the implications of file sharing and downloading illegally and the penalties for engaging in this type of activity. Pupils also consider the moral	In DIT pupils will learn about the threats to data and the need for cybersecurity, they will also consider social engineering and the use of malware discussing the effects of



	their team; This is particularly prevalent in the design phase of the task.		allow the students the time to reflect on the origins of their own personal perceptions of a topic.	Protection Act (GDPR), Computer Misuse Act and Copyright legislation.	aspects of developments in technology including the use of CCTV camera, Speed Cameras and Loyalty Cards.	these threats on society as a whole
Assessment	Home works – KIAN In lesson WCF Task 1a: Project Proposal Task 1b: Planning Timescales Task 2: Interface Design	Home works - KIAN Coursework Feedback Task 3: Prototype User Interface Task 3: Prototype User Interface 2 Task 3: Prototype User Interface 3	Home works- KIAN In lesson WCF PSA: Task 1 PSA: Task 2	Home works - KIAN PSA: Task 3 PSA: Task 4 PSA: Improvements	Home works - KIAN Coursework Feedback Task 1: Data Collection methods Task 2a and 2b: Use Data Manipulation Methods Task c: Create a dashboard	Home works - KIAN End of Topic quizzes Task 3a: Effectiveness of the dashboard Task 3b: How Presentation affects understanding

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
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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.	Component 2 Collecting, presenting and interpreting data Prior Learning: Year 7,8,9 units looking at data and spreadsheets Key Knowledge: Learning Outcome A: Understand how data is collected by organisations and its impact on individuals Learning Outcome B: Be able to create a dashboard using data manipulation tools Learning Outcome C: Be able to draw conclusions and review data presentation methods PSA assessment task for Component 2 Outcomes A, B & C) PSA: Task 1	Component 2 Collecting, presenting and interpreting data Prior Learning: Year 7,8,9 units looking at data and spreadsheets Key Knowledge: PSA Component 2 Learning Outcome B: Be able to create a dashboard using data manipulation Tools Learning Outcome C: Be able to draw conclusions and review data presentation methods PSA: Task 2 PSA: Task 3 PSA: Task 4 PSA: Improvements	Effective Digital Working Practices: Revision Prior Learning: Components 1 and 2 Key Knowledge: A1-A2 Modern technologies B1-B3 Cyber Security C1-C2 The wider implications of digital systems D1 Planning and communication in digital systems	Effective Digital Working Practices: Revision Prior Learning: Components 1 and 2 Key Knowledge: A1-A2 Modern technologies B1-B3 Cyber Security C1-C2 The wider implications of digital systems D1 Planning and communication in digital systems	Effective Digital Working Practices: Revision Prior Learning: Components 1 and 2 Key Knowledge: A1-A2 Modern technologies B1-B3 Cyber Security C1-C2 The wider implications of digital systems D1 Planning and communication in digital systems	Final Assessment Assessment – written assessment of key concepts and techniques in modern technologies assessment of and cyber security (B) Prior Learning: Components 1 and 2 Key Knowledge: 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



	Future Links: 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. Skills: Exam techniques Revisit- Recall - Revise	Future Links: 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. Skills: Exam techniques Revisit- Recall - Revise	Future Links: This unit provides students with the understanding of how digital technologies are used within the working world. Skills: Exam techniques Revisit- Recall - Revise	Future Links: This unit provides students with the understanding of how digital technologies are used within the working world. Skills: Exam techniques Revisit- Recall - Revise	Future Links: This unit provides students with the understanding of how digital technologies are used within the working world. Skills: Exam techniques Revisit- Recall - Revise	Future Links: This unit provides students with the understanding of how digital technologies are used within the working world. Skills: Exam techniques Revisit- Recall - Revise
SIAMS	Students are continually reflecting on their own lives and the lives of others as they look at various case studies. Students debate and formulate their own set of values and beliefs through case studies and as they share their own experiences.	DIT lets students have the opportunity to reflect on how computers can sometimes perform better in certain activities than people.	Computational thinking encourages students to develop and explore their problem solving skills. Computing Empowers students to apply their Computing skills and to gain knowledge of how programming links between subjects for instance maths.	Whilst studying various aspects of Computing students are asked to reflect on how different cultures are portrayed on the internet and why or who is portraying them in this way. Students are also challenged to think about how differing cultures access and use the internet and what implications this has on the individual and the culture.	Computing involves the breaking through of linguistic and cultural barriers. It is possible to e-mail or chat across the world and to word process in the mother tongue.	To promote students' spiritual development, their sense of self and their will to achieve, the Computing department continually takes the opportunity to praise students for their contribution in lessons.
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