

KS4 Curriculum Overview
BTEC TECH AWARD Level 1 and 2
DIGITAL INFORMATION TECHNOLOGY
Year 1

TERM 1 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
<p style="text-align: center;">Component 1</p> <ul style="list-style-type: none"> ▪ User Interfaces ▪ Factors and influences of interfaces ▪ Audience considerations ▪ Design principles ▪ Design psychology ▪ Designing efficient user interfaces 	<p>Key Skills:</p> <ul style="list-style-type: none"> ▪ Applying design principles for user-friendly and visually appealing interfaces. ▪ Utilising graphic design tools and techniques. ▪ User Experience (UX) Design: ▪ Prioritising user experience through intuitive and efficient interface design. <p>Subject Links:</p> <ul style="list-style-type: none"> ▪ Art and Design: Applying design principles for aesthetic and functional interfaces. ▪ Psychology: Understanding the psychological aspects of user interaction. ▪ Business Studies: Aligning interface design choices with business goals. 	<p>Career links:</p> <ul style="list-style-type: none"> ▪ UX/UI Designer ▪ Interaction Designer ▪ User Interface Developer <p>British Values:</p> <ul style="list-style-type: none"> ▪ Democracy: Ensuring inclusivity and accessibility in user interface design. ▪ Individual Liberty: Upholding individual freedom in navigating interfaces. ▪ Rule of Law: Adhering to legal and ethical considerations in interface design.
TERM 2 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
<p style="text-align: center;">Component 1</p> <ul style="list-style-type: none"> ▪ Project planning techniques ▪ Creating project plans ▪ Initial designs ▪ Developing a user interface ▪ Reviewing interfaces 	<p>Key Skills:</p> <ul style="list-style-type: none"> ▪ Planning and prioritising tasks for efficient project execution. ▪ Utilising project management tools to organise and track progress. ▪ Identifying potential risks and challenges in project planning. ▪ Developing contingency plans to address uncertainties. <p>Subject Links:</p>	<p>Career Links:</p> <ul style="list-style-type: none"> ▪ Project Manager ▪ Project Coordinator ▪ Interface Designer ▪ UX/UI Designer ▪ Graphic Designer <p>British Values:</p> <ul style="list-style-type: none"> ▪ Democracy: Ensuring inclusive and collaborative project planning. ▪ Individual Liberty: Empowering team members to contribute to project planning. ▪ Rule of Law: Adhering to legal and ethical considerations in

	<ul style="list-style-type: none"> Business studies: Planning and prioritizing tasks for efficient project execution. 	project management.
TERM 3 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
PSA – Component 1 <ul style="list-style-type: none"> Controlled assessment to assess Component 1 	Controlled Assessment	Controlled Assessment
TERM 4 TOPIC/s	<ul style="list-style-type: none"> *Key Skills/Subject Links 	*Career links & BV
PSA – Component 1 <ul style="list-style-type: none"> Controlled assessment to assess Component 1 	<ul style="list-style-type: none"> Controlled Assessment 	<ul style="list-style-type: none"> Controlled Assessment
TERM 5 TOPIC/s	<ul style="list-style-type: none"> *Key Skills/Subject Links 	*Career links & BV
Component 2 <ul style="list-style-type: none"> Characteristics of data Representing information Validation and verification Data collection Data modelling Data Threats Component 3 <ul style="list-style-type: none"> Modern Technologies The impact of modern technologies Threats to data Prevention and management of threats	Key Skills: Data Literacy: <ul style="list-style-type: none"> Understanding the characteristics and types of data. Interpreting and communicating data effectively. Critical Thinking: <ul style="list-style-type: none"> Analysing data to identify patterns, trends, and outliers. Evaluating the reliability and relevance of data sources. Technology Literacy: <ul style="list-style-type: none"> Understanding the features and capabilities of modern technologies. Staying updated on emerging technological trends. Strategic Thinking:	Career Links: <ul style="list-style-type: none"> Data Analyst Data Scientist Database Administrator British Values: <ul style="list-style-type: none"> Democracy: Ensuring fair and equal access to information through data. Individual Liberty: Safeguarding individual privacy rights in data handling. Rule of Law: Adhering to legal frameworks governing data use.

	<ul style="list-style-type: none"> ▪ Assessing the strategic impact of technology on organisational goals. ▪ Planning for the integration of modern technologies into existing systems. <p>Subject links:</p> <ul style="list-style-type: none"> ▪ Mathematics: Understanding statistical concepts related to data analysis. ▪ Science: Exploring scientific data collection methods. 	
TERM 6 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
<p style="text-align: center;">Component 2</p> <ul style="list-style-type: none"> ▪ Spreadsheets ▪ Data manipulation methods ▪ Processing methods ▪ Producing Dashboards ▪ Reviewing methods <p style="text-align: center;">Component 3</p> <ul style="list-style-type: none"> ▪ Modern Technologies ▪ The impact of modern technologies ▪ Threats to data <p>Prevention and management of threats</p>	<p>Key Skills:</p> <p>Data Organisation:</p> <ul style="list-style-type: none"> ▪ Managing and organising data effectively within spreadsheet structures. ▪ Utilising features such as sorting, filtering, and grouping. ▪ Formula Application: <p>Data Visualisation:</p> <ul style="list-style-type: none"> ▪ Creating charts and graphs to visually represent data trends. ▪ Enhancing spreadsheet layouts for clear data presentation. <p>Technology Literacy:</p> <ul style="list-style-type: none"> ▪ Understanding the features and capabilities of modern technologies. ▪ Staying updated on emerging technological trends. <p>Strategic Thinking:</p> <ul style="list-style-type: none"> ▪ Assessing the strategic impact of technology on organisational goals. 	<p>Career Links:</p> <ul style="list-style-type: none"> ▪ Financial Analyst ▪ Data Analyst <p>British values:</p> <ul style="list-style-type: none"> ▪ Democracy: Facilitating transparent and accessible data representation. ▪ Individual Liberty: Empowering individuals with data analysis tools. <p>Rule of Law: Adhering to legal and ethical considerations in data handling.</p>

	<ul style="list-style-type: none"> ▪ Planning for the integration of modern technologies into existing systems. <p>Subject Links:</p> <ul style="list-style-type: none"> ▪ Mathematics: Applying mathematical functions and formulas in spreadsheets. ▪ ICT: Utilizing digital tools for data analysis and presentation. ▪ Business Studies: Applying spreadsheets for financial and business analysis. 	
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BTEC TECH AWARD Level 1 and 2
DIGITAL INFORMATION TECHNOLOGY
Year 2

TERM 1 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
PSA – Component 2 <ul style="list-style-type: none"> ▪ Controlled assessment to assess Component 2 	Controlled Assessment	Controlled Assessment
TERM 2 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
PSA – Component 2 <ul style="list-style-type: none"> ▪ Controlled assessment to assess Component 2 	Controlled Assessment	Controlled Assessment
TERM 3 TOPIC/s	*Key Skills/Subject Links	*Career links & BV
Component 3 <ul style="list-style-type: none"> ▪ Modern Technologies ▪ The impact of modern technologies ▪ Threats to data ▪ Prevention and management of threats 	Key Skills: Technology Literacy: <ul style="list-style-type: none"> ▪ Understanding the features and capabilities of modern technologies. ▪ Staying updated on emerging technological trends. Strategic Thinking:	Career links: <ul style="list-style-type: none"> ▪ IT Consultant ▪ Technology Strategist ▪ Systems Architect British Values: <ul style="list-style-type: none"> ▪ Democracy: Ensuring fair and equal access to modern technologies. ▪ Individual Liberty: Empowering individuals with the benefits of technology.

	<ul style="list-style-type: none"> ▪ Assessing the strategic impact of technology on organisational goals. ▪ Planning for the integration of modern technologies into existing systems. <p>Ethical Considerations:</p> <ul style="list-style-type: none"> ▪ Considering the ethical implications of technology use. ▪ Adhering to ethical guidelines in the adoption of modern technologies. <p>Subject Links:</p> <ul style="list-style-type: none"> ▪ Sociology: Examining societal impacts of technology. ▪ Business Studies: Aligning technological choices with business objectives. 	<ul style="list-style-type: none"> ▪ Rule of Law: Adhering to legal and ethical considerations in technology use.
TERM 4 TOPIC/s	<ul style="list-style-type: none"> ▪ *Key Skills/Subject Links 	*Career links & BV
<p style="text-align: center;">Component 3</p> <ul style="list-style-type: none"> ▪ Policies ▪ Responsible use of IT ▪ Legal and ethical considerations ▪ Forms of notation 	<p>Key Skills:</p> <p>Digital Literacy:</p> <ul style="list-style-type: none"> ▪ Promoting skills for responsible and informed IT use. ▪ Educating users on potential risks and best practices. <p>Policy Adherence:</p> <ul style="list-style-type: none"> ▪ Developing and implementing guidelines for responsible IT use. ▪ Monitoring and enforcing compliance with established policies. <p>Subject Links:</p> <ul style="list-style-type: none"> ▪ Citizenship: Understanding rights and 	<p>Career Links:</p> <ul style="list-style-type: none"> ▪ IT Compliance Officer ▪ IT Governance Analyst ▪ Policy Analyst <p>British values:</p> <ul style="list-style-type: none"> ▪ Democracy: Establishing inclusive and fair IT policies. ▪ Individual Liberty: Balancing individual rights and responsibilities in policy creation. ▪ Rule of Law: Adhering to legal frameworks in IT policy development.

	<p>responsibilities in the digital space.</p> <ul style="list-style-type: none"> ▪ Sociology: Examining societal impacts of responsible IT use. 	
TERM 5 TOPIC/s	<ul style="list-style-type: none"> ▪ *Key Skills/Subject Links 	*Career links & BV
<p>Component 3</p> <ul style="list-style-type: none"> ▪ Revision and Component 3 exam 	Revision and Exam	Revision and Exam
TERM 6 TOPIC/s	<ul style="list-style-type: none"> ▪ *Key Skills/Subject Links 	*Career links & BV
Completion of course	End of course	End of course