BTEC IT Curriculum Overview 2023-24

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10 curriculum overview	Component 1: Exploring user interface design principles and project planning techniques Investigate user interface design for individuals and organisations	Use project planning techniques to plan and design a user interface	Develop and review a user interface	Refining the user interface	Component 2: Collecting, presenting and interpreting data Investigate the role and impact of using data on individuals and organisations	Create a dashboard using data manipulation tools
Skills	Problem solving and decision making Communication Deploy and administer IT systems	Attention to detail Communication Spreadsheets Project management	Web development skills Editing and writing	Analytical skills Problem-solving	Problem-solving Programming/Coding Software testing	Attention to detail Analytical and problem-solving skills Communication
Personal Development links	Wider impacts on the real world Links to real world professions Understanding the world of workplace safety				How different data manipulation tools can be used to change the way that data is presented.	
Career links	Careers such as Software Support Engineers will address technical issues relating to software implementation and software support engineers work closely with development teams to identify and resolve technical problems Such work includes analysing functionality and upgrades, they will also resolve customer queries.				Data analysts are responsible for collecting and interpreting data and identifying patterns and trends in data sets.	

BTEC IT Curriculum Overview 2023-24

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 11 curriculum overview	Draw conclusions and review data presentation methods	Presentation methods	Component 3: Effective Digital Working Practices Modern technologies	Cybersecurity	The wider implications of digital systems	Legal and ethical
Skills	Analytical and problem-solving skills Customer service Communication	Attention to detail Editing and writing Analytical skills	Programming languages Network configuration & connectivity and troubleshooting	Windows 7 - 10 Operating Systems Maintain the condition of software and hardware	Deploy and administer IT systems# Computer hardware/ software maintenance Problem solving and decision making	Problem solving Communication
Personal Development links	How to provide clear summaries of the data and present them in a dashboard that will allow organisations to make effective decisions.		How the developments in technology over recent years have enabled modern organisations to communicate and collaborate more effectively			
Career links	Data analysts take the data collected by business and uses it to help companies make better business decisions. or transportation costs.		Computer support specialists provide help and advice to computer users and organizations. These specialists either support computer networks or they provide technical assistance directly to computer users			

BTEC IT Curriculum Overview 2023-24

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12 curriculum overview	Explore the impact of social media on the ways in which businesses promote their products and services	Develop a plan to use social media in a business to meet requirements	Implement the use of social media in a business.	Digital devices in IT systems	Operating online	Impact of IT systems
Skills	Analytical and problem-solving skills Customer service Communication	Attention to detail Editing and writing Analytical skills	Programming languages Network configuration & connectivity and troubleshooting	Windows 7 - 10 Operating Systems Maintain the condition of software and hardware	Deploy and administer IT systems# Computer hardware/ software maintenance Problem solving and decision making	Problem solving Communication
Personal Development links	Students will learn to provide a comprehensive, well-balanced evaluation of how a business uses social media, making realistic and well-explained business-related observations on the benefits and disadvantages, while considering their target customers or audience			Students will will explore the relationships between the hardware and software that form an IT system, and the way that systems work individually and together, as well as the relationship between the user and the system		
Career links	Digital marketers oversee the online marketing strategy for their business. They plan and execute digital (including email) marketing campaigns and design, maintain and supply content for the organisation's website. As a digital marketer, you'll also analyse and report on visitor data and devise new ways to market products.			An IT project manager is the person who manages the timelines and budgets of an information technology project. They ensure that implementation is seamless and their role is varied - projects could take a week or even years.		

BTEC IT Curriculum Overview 2023-24

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 13 curriculum overview	The purpose and structure of relational database management systems	Standard methods and techniques to design relational database solutions	Evaluating a database development project	Investigate data modelling and how it can be used in the decision-making process	Design a data model to meet client requirements	Develop a data model to meet client requirements
Skills	Analytical and problem-solving skills Customer service Communication Programming languages	Attention to detail Editing and writing Analytical skills	Network configuration & connectivity and troubleshooting	Analytical and problem-solving skills Customer service Communication	Attention to detail Editing and writing Analytical skills	Programming languages Network configuration & connectivity and troubleshooting
Personal Development links	Wider impacts on the real world Links to real world professions Understanding the world of workplace IT safety			How different data manipulation tools can be used to change the way that data is presented.		
Career links	Computer programmers wil write the code that makes software applications functional. You'll need to know a variety of computer languages and will troubleshoot and test programs as part of your day-to-day role			Data analysts are responsible for collecting and interpreting data and identifying patterns and trends in data sets.		