

Digital Information Technology (BTEC)



The areas of development are:	Solutions
<u>Digital Information Technology (BTEC)</u>	
<ul style="list-style-type: none"> Defining a user interface and giving examples of user interfaces 	<ul style="list-style-type: none"> BBC Bitesize: User Interfaces Teach ICT: User Interfaces
<ul style="list-style-type: none"> Understanding the difference between graphical user interface and a command line interface 	<ul style="list-style-type: none"> BBC Bitesize: User Interfaces Teach ICT: User Interfaces
<ul style="list-style-type: none"> Identifying the design principles used in different user interfaces 	<ul style="list-style-type: none"> Teach ICT: User Interfaces
<ul style="list-style-type: none"> Describing how different user interfaces meet user needs 	<ul style="list-style-type: none"> BBC Bitesize: User Interfaces Teach ICT: User Interfaces
<ul style="list-style-type: none"> Analysing different user interfaces 	<ul style="list-style-type: none"> BBC Bitesize: User Interfaces
<ul style="list-style-type: none"> Utilising a range of project planning techniques 	<ul style="list-style-type: none"> Doddles Quiz: Planning Teach ICT: Project Planning Tools
<ul style="list-style-type: none"> Justifying their choices of project planning tool 	<ul style="list-style-type: none"> Doddle: Planning and Evaluating Teach ICT: Project Planning Tools
<ul style="list-style-type: none"> Evaluating a project plan 	<ul style="list-style-type: none"> Doddle: Planning and Evaluating Teach ICT: Project Planning Tools
<ul style="list-style-type: none"> Understanding the terms data and information and the difference between the two 	<ul style="list-style-type: none"> BBC Bitesize: Data and Databases
<ul style="list-style-type: none"> Understand the concept of big data, how this is used and who collects this 	<ul style="list-style-type: none"> BBC Bitesize: Data and Databases
<ul style="list-style-type: none"> Describe primary and secondary data and explain the difference between the two 	<ul style="list-style-type: none"> BBC Bitesize: Data and Databases

<ul style="list-style-type: none"> Describe validation and verification methods and explain the difference between the two 	<ul style="list-style-type: none"> BBC Bitesize: Data and Databases
<ul style="list-style-type: none"> Create a basic spreadsheet model and understand how to import and format data in 	<ul style="list-style-type: none"> Teach ICT: Spreadsheets
<ul style="list-style-type: none"> Use a range of formula such as =average, =min, =max to retrieve data from a source 	<ul style="list-style-type: none"> Teach ICT: Spreadsheets
<ul style="list-style-type: none"> Be able to use filters and sorts to organize data effectively and retrieve specific information from a list 	<ul style="list-style-type: none"> Teach ICT: Spreadsheets
<ul style="list-style-type: none"> Understand the concept of cloud storage and discuss the advantages and disadvantages 	<ul style="list-style-type: none"> Teach ICT: Storage BBC Bitesize: Web Pages and Web Apps
<ul style="list-style-type: none"> Know the difference between white, grey and black hat hackers with examples of each 	<ul style="list-style-type: none"> BBC Bitesize: Computer Misuse Act
<ul style="list-style-type: none"> Be able to identify external and internal threats to a company in a case study with solutions to these threats 	<ul style="list-style-type: none"> BBC Bitesize: Computer Misuse Act
<ul style="list-style-type: none"> Identify possible internet threats such as hacks, viruses and malware (in all its different forms) 	<ul style="list-style-type: none"> BBC Bitesize: Computer Misuse Act
<ul style="list-style-type: none"> Understand what E-Waste is, how is it created and how can we reduce its impact 	<ul style="list-style-type: none"> Teach ICT: E-Waste BBC Bitesize: Ethics and Law
<ul style="list-style-type: none"> Can identify a strong password from a weak one and understand the rules of making a secure password 	<ul style="list-style-type: none"> Teach ICT: Security Teach ICT: Passwords BBC Bitesize: Cyber Security
<ul style="list-style-type: none"> Understand the concept of biometric security. Can list advantages and disadvantages of this as well as discuss wider implications 	<ul style="list-style-type: none"> Teach ICT: Security BBC Bitesize: Cyber Security

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