

Digital Information Technology (BTEC)



| The areas of development are: | Solutions |
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| Digital Information Technology (BTEC) | |
| <ul style="list-style-type: none"> Defining a user interface and giving examples of user interfaces (Component 1) | <ul style="list-style-type: none"> BBC Bitesize: User Interfaces Teach ICT: User Interfaces |
| <ul style="list-style-type: none"> Understanding the difference between a graphical user interface and a command line interface (Component 1) | <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 (Component 1) | <ul style="list-style-type: none"> Teach ICT: User Interfaces |
| <ul style="list-style-type: none"> Describing how different user interfaces meet user needs (Component 1) | <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 (Component 1) | <ul style="list-style-type: none"> Teach ICT: Project Planning Tools |
| <ul style="list-style-type: none"> Justifying their choice of project planning tool (Component 1) | <ul style="list-style-type: none"> Teach ICT: Project Planning Tools |
| <ul style="list-style-type: none"> Evaluating a project plan (Component 1) | <ul style="list-style-type: none"> Teach ICT: Project Planning Tools |
| <ul style="list-style-type: none"> Understanding the terms data and information and the difference between the two (Component 2) | <ul style="list-style-type: none"> BBC Bitesize: Data and Databases |
| <ul style="list-style-type: none"> Understanding the concept of big data, how this is used and who collects this (Component 2) | <ul style="list-style-type: none"> BBC Bitesize: Data and Databases |
| <ul style="list-style-type: none"> Describing primary and secondary and explain the difference between the two (Component 2) | <ul style="list-style-type: none"> BBC Bitesize: Data and Databases |
| <ul style="list-style-type: none"> Describing validation and verification methods and explain the difference between the two (Component 2) | <ul style="list-style-type: none"> BBC Bitesize: Data and Databases |

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| <ul style="list-style-type: none"> • Creating a basic spreadsheet model and understand how to import and format data in it (Component 2) | <ul style="list-style-type: none"> • Teach ICT: Spreadsheets |
| <ul style="list-style-type: none"> • Using a range of formula such as =average, =min, =max, to retrieve data from a source (Component 2) | <ul style="list-style-type: none"> • Teach ICT: Spreadsheets |
| <ul style="list-style-type: none"> • Understanding how to use filters and sorts to organize data effectively and retrieve specific information from a list (Component 2) | <ul style="list-style-type: none"> • Teach ICT: Spreadsheets |
| <ul style="list-style-type: none"> • Understanding the concept of cloud storage and discuss the advantages and disadvantages (Component 3) | <ul style="list-style-type: none"> • Teach ICT: Storage • BBC Bitesize: Web Pages and Web Apps |
| <ul style="list-style-type: none"> • Understanding the difference between white, gray and black hat hackers with examples of each (Component 3) | <ul style="list-style-type: none"> • BBC Bitesize: Computer Misuse Act |
| <ul style="list-style-type: none"> • Identifying external and internal threats to a company in a case study with solutions to these threats (Component 3) | <ul style="list-style-type: none"> • BBC Bitesize: Computer Misuse Act |
| <ul style="list-style-type: none"> • Identifying possible internet such as hacks, viruses and malware (in all its different forms) (Component 3) | <ul style="list-style-type: none"> • BBC Bitesize: Computer Misuse Act |
| <ul style="list-style-type: none"> • Understanding what E-waste is, how is it created and how can we reduce its impact (Component 3) | <ul style="list-style-type: none"> • Teach ICT: E-Waste • BBC Bitesize: Ethics and Law |
| <ul style="list-style-type: none"> • Identifying a strong password from a weak one and understand the rules of making a secure password (Component 3) | <ul style="list-style-type: none"> • Teach ICT: Security • Teach ICT: Passwords • BBC Bitesize: Cyber Security |
| <ul style="list-style-type: none"> • Understanding the concept of biometric security. Can list advantages and disadvantages of this as well as discuss wider implications (Component 3) | <ul style="list-style-type: none"> • Teach ICT: Security • BBC Bitesize: Cyber Security |
| <ul style="list-style-type: none"> • Understanding Component 3 and the knowledge and understanding required for Modern Technologies (Component 3) | <ul style="list-style-type: none"> • Communication Technology DIT Handbook page 140 • Microsoft Azure website (Search topic to find specific support) • TechTarget website to find further information to support your understanding • KnowItAll Ninja website to find further information to support your understanding |
| <ul style="list-style-type: none"> • Understanding the concept of cloud storage and explain how it is used in everyday life (Component 3) | <ul style="list-style-type: none"> • Cloud Storage DIT Handbook page 142 • Microsoft Azure website (Search topic to find specific support) |

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| | <ul style="list-style-type: none"> • TechTarget website to find further information to support your understanding • KnowItAll Ninja website to find further information to support your understanding |
| <ul style="list-style-type: none"> • Explaining the advantages and disadvantages of cloud storage (Component 3) | <ul style="list-style-type: none"> • Cloud Storage DIT Handbook page 142 • Microsoft Azure website (Search topic to find specific support) • TechTarget website to find further information to support your understanding • KnowItAll Ninja website to find further information to support your understanding |
| <ul style="list-style-type: none"> • Understanding what traditional and cloud networks are and differentiate between the two, giving advantages and disadvantages of each (Component 3) | <ul style="list-style-type: none"> • Cloud Computing DIT Handbook page 144 • Microsoft Azure website (Search topic to find specific support) • TechTarget website to find further information to support your understanding • KnowItAll Ninja website to find further information to support your understanding |
| <ul style="list-style-type: none"> • Understanding the concept of online vs offline working and how each are suited to different scenarios (Component 3) | <ul style="list-style-type: none"> • Cloud Computing DIT Handbook page 144 • Microsoft Azure website (Search topic to find specific support) • TechTarget website to find further information to support your understanding • KnowItAll Ninja website to find further information to support your understanding |
| <ul style="list-style-type: none"> • Identifying a range of collaboration tools that can help us in everyday life (Component 3) | <ul style="list-style-type: none"> • Cloud Technologies DIT Handbook page 148 • Microsoft Azure website (Search topic to find specific support) • TechTarget website to find further information to support your understanding • KnowItAll Ninja website to find further information to support your understanding |
| <ul style="list-style-type: none"> • Understanding what a disaster recovery policy is and how these are used in industry (Component 3) | <ul style="list-style-type: none"> • Modern Teams DIT Handbook page 156 • Microsoft Azure website (Search topic to find specific support) • TechTarget website to find further information to support your understanding |

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| | <ul style="list-style-type: none">• KnowItAll Ninja website to find further information to support your understanding• Microsoft website |
| <ul style="list-style-type: none">• Understanding the term scalability and how this is relevant to cloud storage (Component 3) | <ul style="list-style-type: none">• Cloud Technologies DIT Handbook page 148• Microsoft Azure website (Search topic to find specific support)• TechTarget website to find further information to support your understanding• KnowItAll Ninja website to find further information to support your understanding |

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