

BTEC IT CURRICULUM OUTLINE

Term	Topic/Unit of work	Knowledge	Skills	Assessment
Y12 Autumn Term 1	Unit 2 The purpose and structure of Relational Database Management Systems (RDBMS) Standard methods and techniques to design relational database solutions Creating a relational database structure	RDBMS's – Types and their characteristics. Manipulating data structures and data in relational databases. Normalisation Relational database design Design documentation Producing a database solution	Answer exam questions on the knowledge gained Apply knowledge gained to a practical situation Creating, setting up and maintain data tables; creating links between tables, applying data validation rules, generating outputs, user interfaces.	Past practical exam questions
Y12 Autumn Term 2	Unit 2 The purpose and structure of Relational Database Management Systems (RDBMS) Standard methods and techniques to design relational database solutions Creating a relational database structure	Review RDBMS's – Types and their characteristics, Manipulating data structures and data in relational databases, Normalisation, Relational database design, Design documentation. Relational database design Design documentation Producing a database solution	Answer exam questions on the knowledge gained Apply knowledge gained to a practical situation Creating, setting up and maintain data tables; creating links between tables, applying data validation	Past practical exam questions Mock exam in December

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			rules, generating outputs, user interfaces.	
Y12 Spring Term 1	<p>Unit 2 The purpose and structure of Relational Database Management Systems (RDBMS) Standard methods and techniques to design relational database solutions Creating a relational database structure</p> <p>Unit 1 Digital devices in IT systems</p> <p>Transmitting data</p>	<p>Review unit 2 material in preparation for exam</p> <p>Digital devices, their functions and use, peripheral devices and media, Computer software in an IT system, Emerging technologies, Choosing IT systems</p> <p>Connectivity, Networks, Issues relating to the transmission of data</p>	<p>Answer exam questions on the knowledge gained Apply knowledge gained to a practical situation</p> <p>Answer exam questions on the knowledge gained Applying knowledge and understanding to different IT contexts</p>	<p>Practical exam in January.</p> <p>Past exam questions on digital devices & transmitting data</p>
Y12 Spring Term 2	<p>Unit 1 Operating online</p> <p>Protecting data and information</p> <p>Impact of IT systems</p>	<p>Online systems, online communities</p> <p>Threats to data, information and systems, protecting data</p> <p>Online systems, impact on organisations, using and manipulating data</p>	<p>Answer exam questions on the knowledge gained Applying knowledge and understanding to different IT contexts Develop an understanding of how these contexts impact on organisations behaviour</p>	<p>Past exam questions on digital devices, transmitting data, operating online, protecting data and information and impact of IT systems.</p>

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<p>Y12 Summer Term 1</p>	<p>Unit 1 Issues</p> <p>Review of unit 1 material</p>	<p>Moral and ethical issues, legal issues</p> <p>Review Digital devices, their functions and use, peripheral devices and media, Computer software in an IT system, Emerging technologies, Choosing IT systems, Connectivity, Networks, Issues relating to the transmission of data, Online systems, online communities, Threats to data, information and systems, protecting data, Online systems, impact on organisations, using and manipulating data</p>	<p>Answer exam questions on the knowledge gained</p> <p>Applying knowledge and understanding to different IT contexts</p> <p>Develop an understanding of how these contexts impact on organisations behaviour</p>	<p>Past exam questions on digital devices, transmitting data, operating online, protecting data and information, impact of IT systems & issues.</p>
<p>Y12 Summer Term 2</p>	<p>Unit 1</p> <p>Unit 3 Explore the impact of Social Media (SM) on the ways in which businesses promote their products and services</p>	<p>Different types of SM. How businesses use SM. Risks and issues</p>	<p>Apply knowledge gained to a practical situation</p>	<p>External exam</p> <p>Produce a report that explores how a business can use SM to raise it profile and promote products and services.</p>