

YEAR 12 CURRICULUM INFORMATION – BTEC ICT

	Summer 1	Summer 2	
What will students be learning?	<p>Unit 2: Creating Systems to Manage Information</p> <p>Students will study the design, creation, testing and evaluation of a relational database system to manage information. Students are set a supervised task, where they are required to design, create, test, and evaluate a relational database system.</p>	<p>Unit 1: Information Technology systems</p> <p>Students will learn the concepts and implications of the use of, and relationships among, the devices that form IT systems.</p> <p>Topic A - Digital devices in IT systems</p> <ul style="list-style-type: none"> • Digital devices, their functions and use • Peripheral devices and media • Computer software in an IT system • Emerging technologies • Choosing IT systems 	
How will students be assessed?	Students will sit their official BTEC Examination in May for Unit 2. Paper A (3 hours) and Paper B (2 hours) over 2 days.	Students will be assessed on each main topic in the specification with a written test based on exam style questions.	
Literacy – What keywords will be taught?	<ul style="list-style-type: none"> • Database • Normalisation • Primary/foreign key • Validation • Data Types 	<ul style="list-style-type: none"> • Tables • Forms • Queries • Reports 	<ul style="list-style-type: none"> • Input/output/storage devices • Peripheral devices • Operating systems • Utility Software • Application software • User interfaces • Graphical user Interface • Command Line Interface • Menu Driven Interface
What employability skills are being developed?	Problem solving skills, logical reasoning, numeracy, information use, thinking skills, resilience, self-management, written communication.		
Wider Curriculum Links?	Maths - use of calculations in searching for information. Business Studies - impacts of digital technology in Business		
What useful websites are there for this topic?	Access video training - Microsoft Support BTEC ICT Unit 2 (computing.training) – Previous exam papers video walkthroughs	Information Technology Systems - KnowItAllNinja	
What wider reading could be done for this topic?	Course information can be found on this website BTEC Nationals Information Technology (2016) Pearson qualifications News articles based on Technology Technology - BBC News		
What else can students be doing independently to develop their understanding of this topic?	Students can look at tutorials on how to use Microsoft Access	Students can research into upcoming different emerging technologies	