

Key Stage 5 (12)	
Course title: BTEC National Extended Certificate in Information Technology	
Exam board: Pearson	
Specification code:	
	Topic Unit 2 – Creating Systems to Manage Information
	Why now? Unit 2 and 3 are required to certificate at the end of Key Stage 5 (12) if a student does not remain with us into Key Stage 5 (13).
Autumn 1 (September-October)	Single table databases Introducing students to the fundamental concepts and features of simple databases Tables <ul style="list-style-type: none"> • Fields • Records • Data types • Primary keys • Sorting • Searching Queries <ul style="list-style-type: none"> • Simple/single table queries • Criteria – single and multiple • Sorting Simple Forms
Autumn 2 (October-December)	Relational databases Introducing more complexity <ul style="list-style-type: none"> • Multiple tables • Relationships • Foreign keys • Validation • Multi-table forms • Macros on forms • More complex queries (grouping, calculations) • Simple reports Introduction to exam style questions using parts of previous exams
Spring 1 (January-February)	Normalisation and more complex systems Building skills towards final assessment by using previous exams Composite keys Calculations on forms Input masks
Spring 2 (February-March)	Skill building Continued use of previous exams to practice skills and develop independence when using the software

Summer 1 (April-May)	External assessment (5 hours) Final preparations for, and taking of, external assessment
Summer 2 (May-July)	Getting ready for Key Stage 5 (13) Introduction to Y13 units, and assessment Unit 1 – Information Systems – topic A: Digital devices in IT Systems <ul style="list-style-type: none"> • Digital device, their functions and use • Peripheral devices and media

Key Stage 5 (13)	
Course title: BTEC National Extended Certificate in Information Technology	
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Specification code:	
	Topic Unit 1 – Information Systems – Exam Unit
	Why now? January of Key Stage 5 (13) exam window enables re-sit opportunity in summer of Key Stage 5 (13) if required
Autumn 1 (September- October)	A: Digital devices in IT Systems <ul style="list-style-type: none"> • Peripheral devices and media (cont.) • Computer software in an IT system • Emerging Technology • Choosing IT Systems
	B: Transmitting Data <ul style="list-style-type: none"> • Connectivity • Networks • Issues Relating to transmission of data
	C: Operating Online <ul style="list-style-type: none"> • Online Systems • Online Communities
Autumn 2 (October- December)	D: Protecting Data and Information <ul style="list-style-type: none"> • Threats to data, information and systems • Protecting data
	E: Impact of IT Systems <ul style="list-style-type: none"> • Online Services • Impact on organisations • Using and manipulating data
	F: Issues <ul style="list-style-type: none"> • Moral and ethical issues • Legal issues
Topic Unit 6 – Website Design Small unit of coursework that fits nicely into remaining time after the January exam	
Spring 2 (February- March)	Assignment 1 Principles of Website Design – analysis and comparison of two websites – features, functionality, audience and purpose
Summer 1 (April-May) Summer 2 (May-July)	Assignment 2 Design and development of a website to meet client requirements