Year 12 Information Technology

Course title: BTEC Level 3 AAQ in Information Technology	Exam board: Edexcel	Specification code:

How will students be assessed?

Mandatory - Units 1, 2, 3 & 4

Unit 1: Information Technology Systems - Yr 12 external assessment - May 2026 first assessed 33.3%

Unit 2: Cyber Security and Incident Management - Yr 13 external assessment Jan 2027 33.3%

Unit 3: Website development Yr 13 16.7%%

Unit 4: Relational database development - Yr 12 internal assessment 16.7%

Half term	Key content
1	**Unit 1 Information Technology Systems** Learning Aim A - Explore the concepts and implications of the use of, and relationships among devices that form IT systems - A1 Functions and use of digital devices, and the notation used to represent the design of IT systems - A2 Peripheral devices and media - A3 Computer software in an IT system Review and recap of summer transition work and purpose of Databases **Case studies and exam style questions, construction of revision resources**
2	**Unit 1 Information Technology Systems** - A4 Choosing IT systems, - A5 Emerging technologies Learning Aim B: Transmitting data - Connectivity, networks, iIssues relating to transmission of data Learning Aim C : Operating online, Online systems, Online communities **Unit 4 Relational Database Management** - Introduction & Learning aim A: Understand how the principles of relational database models, data storage and normalisation are used to create effective relational database solutions. - Relational database management systems - Manipulating data structures and data in relational databases
3	**Unit 1 Information Technology Systems** Learning Aim D: Protecting data and information, Threats to data, information, and systems, Protecting data

	Learning Ainn E; Impact of using IT systems, Online services, Using and manipulating data
	February Mock Exam
	Unit 4 Relational Database Management
	   - A3 Normalisation
	   - A4 Preliminary scoping of a relational database solution in response to a client brief
	Learning aim B: Design a relational database solution to meet client Requirements
	   - Relational database design techniques and processes
	   - Design documentation
	Practical database software skills
	Start preparation of internal Assessment and Assessment Brief

4	**Unit 1 Information Technology Systems** F: Issues Moral and ethical issues, Legal issues Pre-Easter full paper Mock exam **Unit 4 Relational Database Management** Reviewing and refining designs Learning aim C: Develop a relational database solution to meet client requirements Producing a database solution using appropriate software Testing the database solution
5	**Unit 4 Relational Database Management** Reviewing the database solutio Optimising the database solution **Unit 4 Relational Database Management 15 hour Assessment Brief** **Unit 1: Information Technology Systems - Revision - Exam May 2026**
6	**Submission of Assessment brief** Start Unit 2 Cyber Security and incident management: Learning Aim A