

AAQ BTEC Information Technology



Why this subject? The information technology (IT) systems AAQ BTEC uses a student-centred unit-based approach, with skills and knowledge applied through a balanced combination of assignments and examinations, enabling the holistic development of the practical, interpersonal and thinking skills required to succeed in higher education and employment. IT systems have a significant role in the world around us and play a large part in almost everything we do. Having a sound understanding of how to effectively select and use appropriate IT systems will benefit you personally and professionally. This qualification is designed for learners who are interested in an introduction to the study of creating IT systems to manage and share information, alongside other fields of study.

Course Outline

Year 12

Unit 1: Information Technology Systems

Students will study the role of Information Technology (IT) systems and gain understanding of the implications and issues relating to their use in both personal and professional situations.

Unit 3: Website Development

Students will investigate fundamental principles in website development. They will design and develop a website in response to a client brief.

Learning aims

A: Understand how the principles of website development are used to create effective websites.

B: Explore website design skills and techniques to meet client requirements.

C: Develop a website to meet client requirements.

Year 13

Unit 2: Cyber Security and Incident Management

Students will study cyber security threats and vulnerabilities, the methods used to protect organisations against threats and managing security incidents.

Unit 4: Relational Database Development

Students will examine relational database development principles to understand the importance of data storage and normalisation techniques and apply their skills to design and develop data storage solutions to meet a client's requirements.

Learning aims



Key Information

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|--------------------|----------------------------|
| Exam Board | Pearson |
| Qualification Type | AAQ BTEC Level 3 Nationals |
| Entry Requirements | Applied BTEC Pathway |
| Head of Department | Mr Hall |

Assessment Outline

Year 12

Unit 1: Information Technology Systems — Externally set exam

Externally Assessed Examined Unit (120 Guided Learning Hours — 33.3% weighting) - 2 hour written paper (90 marks)

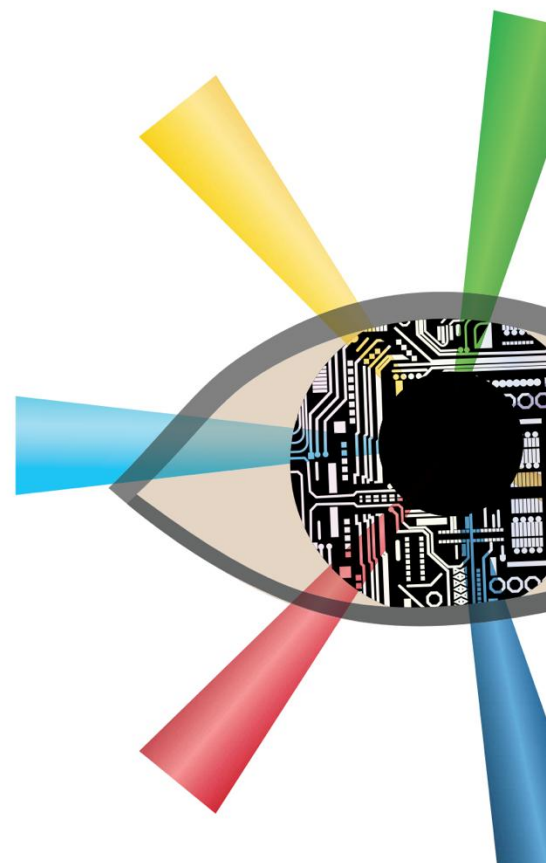
Unit 3: Website Development — NEA (Report / Website)

Internally Assessed Coursework Unit (60 Guided Learning Hours — 16.6% weighting)

Year 13

Unit 2: Cyber Security and Incident Management— Externally set exam

Externally Assessed Examined Unit (120 Guided Learning Hours — 33.3% weighting) - 2 hour written paper (90 marks)



Careers and next steps

Digital skills are required in every industry as well as in everyday life and, with the acceleration of automation and AI in industry it is critical for students to understand how digital technologies are relevant and applied in the context of the sector they are studying. Students will be well prepared for a wide range of career opportunities, in line with the Digital Skills Framework across 5 key areas; 1) Problem Solving, 2) Digital Collaboration and Communication, 3) Transacting Digitally, 4) Digital Security, and 5) Handling Data Safely and Securely. These areas are significantly valued by employers.

Students will develop the confidence, skills and knowledge to make effective use of information technology, including a range of hardware and software, to enable them to pursue many career opportunities, including cyber security, game designers, data management, web developers and graphic designers, to name just a few.

IT skills are essential to virtually every job on the market. Working remotely and finding online solutions to existing