Sixth Form
OPEN EVENING
2026

BTEC
Information Technology

ROUNDWOOD PARK

AAQ BTEC EXTENDED CERTIFICATE IN INFORMATION TECHNOLOGY

January 2026

Mr Hamilton – Teacher of BTEC IT and Lead IV

The BTEC Information Technology Course

BTEC Level 3

- A combination of coursework and exams

- Recognised by universities

- Equivalent to 1 A Level (UCAS points)

- Duration – 2 years

BTEC Information Technology

- 4 units of work completed over 2 years

- 2 of the 4 units are examined units of 2 hours in duration

- Further 2 units of the 4 are internally assessed assignments

Topics covered in Units 1 & 2 (exam units)

- Digital devices in IT systems
- Transmitting data
- Issues related to transmission of data
- Operating online
- Protecting data and information
- Impact of IT systems
- The purpose and structure of relational database management systems
- Standard methods and techniques to design relational database solutions
- Creating a relational database structure
- Database development

- Understanding the principles of website design
- Designing a website to meet a clients requirements
- Developing a website to meet a clients requirements
- Cyber security
- Cyber security threats
- System vulnerabilities
- Networking architectures
- Forensic procedures
- Incident management

Topics covered in Units 3 & 4 (coursework)

Pearson Level 3 Alternative Academic Qualification BTEC National in Information Technology (Extended Certificate)

Version 1

Time 15 hours (approximately) | **Paper reference** XXXX/XX

Information Technology
UNIT 3: Website Development
Assignment Title: Build a website in response to a client brief
Pearson Set Assignment Brief

You must have: wireframing tools, software and apps to create visual styles and visual representations, equipment and software to create and prepare assets, software tools to develop a website.

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Version 1

Time 15 hours (approximately) | **Paper reference** XXXX/XX

Information Technology
UNIT 4: Relational Database Development
Assignment Title: Develop a relational database solution to a client brief
Pearson Set Assignment Brief

You must have:
Access to a computer with suitable software.

UNIT 3 – WEBSITE DEVELOPMENT
- Design principles
- Developing a brief
- Legal and Ethical considerations
- Wireframing and page design
- Visual representations
- Asset management
- Functional testing
- Usability testing
- Optimisation

UNIT 4 – RELATIONAL DATABASE DEVELOPMENT
- Design brief
- Legal and Ethical considerations
- Data structure design
- Project planning
- Testing

BTEC examples of student progression to IT related courses 2024

- Bournemouth University – Business Information Technology

- University of Gloucestershire- Primary Education

- Nottingham Trent University– Information Systems

- Degree Level Apprenticeship in Web design

Non – IT related

- Exeter – Business

- Nottingham – International Business

- Sussex – International Business

- Nottingham – Business Management and Marketing

Workload

- Step up from GCSE (difficulty and quantity)

- Manageable if students stay organised

- IT homework can be enjoyable and interesting

- Challenging ourselves and being creative

Pearson Level 3 Alternative Academic Qualification
BTEC National in

**Information Technology
(Extended Certificate)**

Specification

First teaching from September 2025
First certification from 2026

Issue 1

Qualification Number: 610/3960/3

Pearson
BTEC

L3

Why we recommend Information Technology

- Creative environment

- Builds upon and develops work place ready skills

- Links well with other subjects

- Provides a stepping stone for higher education

- Prepares you for 'business ready' thinking

- Enhances your skills in data management, Cyber security and Website design

- Great teachers and resources

Questions and next steps

Questions

- By email

- Call via school office

- Stop by the office in IT2 at lunchtime for a chat

Next steps

- Have a look at the topics

- Speak to year 12 and 13 who do the course

- Email – ma.hamilton@roundwoodpark.co.uk with any questions