



Pearson Level 3 BTEC National Extended Certificate Information Technology

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General course information – A new AAQ course which started in 2025

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, with a view to progressing to a wide range of higher education courses, not necessarily in IT.

Equivalent in size to one A Level.
4 units

Unit number	Unit title	GLH	Type	How assessed
1	Information Technology Systems	120	Mandatory	External
2	Cyber Security and Incident Management	120	Mandatory	External
3	Website Development	60	Mandatory	Internal
4	Relational Database Development	60	Mandatory	Internal

65% of final grade

35% of final grade

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Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and learner registration number.
- Answer **all** questions.
- Answer the questions in the spaces provided
 - *there may be more space than you need.*

Information

- The total mark for this paper is 90.
- The marks for **each** question are shown in brackets
 - *use this as a guide as to how much time to spend on each question.*

Advice

- Read each question carefully before you start to answer it.

- Written examination set and marked by Pearson.
- 90 marks.
- Two hours.

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THE ECCLESBOURNE SCHOOL



Unit 2: Cyber Security and incident management

Write your name here

Surname	Other names
Centre Number	
Learner Registration Number	
Pearson BTEC Level 3 National Certificate, Foundation Diploma, Diploma, Extended Diploma	
Information Technology Cyber Security and Incident Management	
Thursday 25 January 2018 – Afternoon Time: 2 hours	Paper Reference 31760H
You do not need any other materials.	Total Marks

Instructions

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- **Fill in the boxes** at the top of this page with your name, centre number and learner registration number.
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Information

- The total mark for this paper is 90.
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Advice

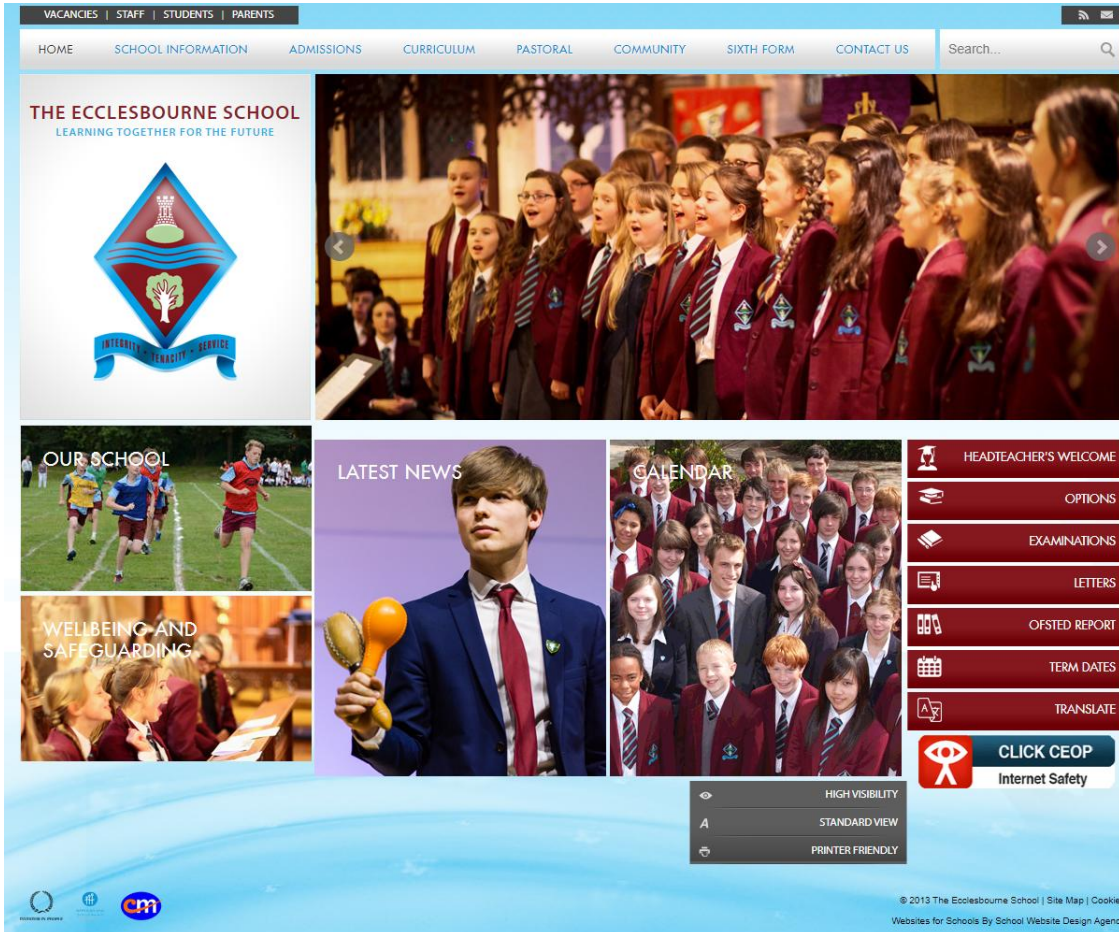
- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Threats
Vulnerabilities
Legal responsibilities
Security measures
Network types and components
Policies and documentation
Forensic procedures

- Written examination set and marked by Pearson.
- 90 marks.
- Two hours.

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

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.

In this unit you will:

- 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.



Create the structure

Add the style

Make it interactive

Unit 4: Relational Database Development (Databases)

Add a new Form

ID: 1

Form: 13B

Form Tutor: Mr Smith

Room: A1

[Add Record](#) [Back To Main Menu](#)

In this unit you will:

- A** Understand how the principles of relational database models, data storage and normalisation are used to create effective relational database solutions.
- B** Design a relational database solution to meet client's requirements.
- C** Develop a relational database solution to meet client's requirements.



```
SELECT EmpId, FirstName, LastName FROM Employee
ORDER BY FirstName DESC;
```

	EmpId	FirstName	LastName
1	3	Neena	Kochhar
2	4	Lex	De Haan
3	1	John	King
4	2	James	Bond
5	5	Amit	Patel
6	6	Abdul	Kalim



How does the qualification provide employability skills?

In the BTEC National units there are opportunities during the teaching and learning phase to give learners practice in developing employability skills. Where employability skills are referred to in this specification, we are generally referring to skills in the following three main categories:

- **cognitive and problem-solving skills:** use critical thinking, approach non-routine problems applying expert and creative solutions, use systems and technology
- **intrapersonal skills:** communicating, working collaboratively, negotiating and influencing, self-presentation
- **interpersonal skills:** self-management, adaptability and resilience, self-monitoring and development.

How does the qualification provide transferable knowledge and skills for higher education?

All BTEC Nationals provide transferable knowledge and skills that prepare learners for progression to university. The transferable skills that universities value include:

- the ability to learn independently
- the ability to research actively and methodically
- being able to give presentations and being active group members.

This qualification carries UCAS points and is recognised by higher education providers as meeting admission requirements to many relevant courses. As the content is equivalent in size to one A Level.

