

Year 12: Our curriculum intent is to equip students with the knowledge and skills required to prepare them for further study or training. Students study the relationship between hardware and software, managing and communicating information and data, and the principles of designing and developing digital technologies and processes to support organisations. Students study a 2 year course: Level 3 BTEC National Extended Certificate in Information Technology.

Term	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer 1	Summer 2
Topic (brief description)	Unit 5 - Data Modelling - Internal Unit In this unit, students will investigate the fundamentals of the decision-making process. Students will find out how using data modelling provides the computational ability to compare consequences, and determine a preferred course of action. They will develop the skills and techniques necessary to create complex spreadsheets, in order to produce accurate information that informs decision making. Students will examine a scenario and then design, develop and test a spreadsheet; you will review your spreadsheet and make refinements based on user feedback, providing an evaluation of the effectiveness of the alternatives produced.			Unit 2 - Creating Systems to Manage Information (5 Hour Controlled Assessment) This unit examines the structure of data, its origins and how an efficient data design follows through to an effective and useful database. Students examine the purpose and structure of relational database management systems and standard methods and techniques to design relational database solutions. The assessment task requires students to design, create, test and evaluate a relational database system to meet a given brief.		
Subject Specific Skills	<ul style="list-style-type: none"> 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. 					
Links (Nat curr, Lit, Numeracy)	Links to the KS4 BTEC Tech Award taught at KS4 can be found here . This shows the natural progression students undertake between KS4 and 5. KS5 content provides an opportunity for the continuation of learning, with a greater breadth and depth. Further links to prior KS3/4 National curriculum content can be found here .					
Transferable Skills	Maths - Types of graphs, and complex arithmetic calculations. Maths/DT- Problem Solving, Logical Thinking, Sequencing. DT- Innovation, Plan, Design and Evaluate.			Maths/DT- Problem Solving, Logical Thinking, Sequencing. DT- Innovation, Plan, Design and Evaluate. Provide creative solutions for a given purpose.		

Post 16 and beyond:

BTECs embody a fundamentally learner-centred approach to the curriculum, with a flexible, unit based structure and knowledge applied in project-based assessments. They focus on the holistic development of the practical, interpersonal and thinking skills required to be able to succeed in employment and higher education. Pearson have worked with many employers, higher education providers, colleges and schools to ensure that their needs are met. Employers are looking for recruits with a thorough grounding in the latest industry requirements and work-ready skills such as teamwork. Higher education needs students who have experience of research, extended writing and meeting deadlines.

Year 13: Our curriculum intent is to equip students with the knowledge and skills required to prepare them for further study or training. Students study the relationship between hardware and software, managing and communicating information and data, and the principles of designing and developing digital technologies and processes to support organisations. Students continue to study in the second year of the 2 year course: Level 3 BTEC National Extended Certificate in Information Technology.

Term	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer 1	Summer 2
Topic (brief description)	Unit 1 - Information Technology Systems - External Examined Unit This unit students explore the use of digital devices, peripheral devices, computer software and emerging technologies in IT systems. The concepts, process and implications of transferring data within and between IT systems. Online systems and online communities - benefits and risks. The issues and implications of storing and transmitting information in digital form. The uses, issues and implications of IT systems and their impact on individuals and organisations including the legal, moral and ethical issues relating to the use of IT.			Unit 3 - Using Social Media in Business - Internal unit This unit students consider the use of social media by businesses to promote their products and services. They explore available social media websites. The ways in which businesses use social media to promote their products and services, the impact of the use of social media on the businesses, including risks and issues. Students develop a plan to use social media strategies for business purposes to achieve specific aims and objectives, implement their plan, collect data and review the effectiveness of their strategy.		
Subject Specific Skills	<ul style="list-style-type: none"> 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. 					
Links (Nat curr, Lit, Numeracy)	Links to the KS4 BTEC Tech Award taught at KS4 can be found here . This shows the natural progression students undertake between KS4 and 5. KS5 content provides an opportunity for the continuation of learning, with a greater breadth and depth. Further links to prior KS3/4 National curriculum content can be found here .					
Transferable Skills	Maths/DT- Problem Solving, Logical Thinking, Sequencing. HD/English - Point, evidence and explanation. Justification of choices made.			Maths/DT- Problem Solving, Logical Thinking, Sequencing. DT- Innovation, Plan, Design and Evaluate. Provide creative solutions for a given purpose.		

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- HND in Business
- BA (Hons) in Computer Arts
- BSc (Hons) in Fashion Buying Management
- BSc (Hons) in Software Development for Animation and BA (Hons) in Accounting and Finance.