COMPUTING Curriculum: KS5

Curriculum Intent Our aim in computing is to inspire and enable students to positively contribute to and thrive as active participants in the digital world; digitally literate and digitally resilient enough to function in society and at a level suitable for the workplaces of the future. Our curriculum is inclusive and ambitious and is coherently sequenced in order that all learners build relevant knowledge and understanding. Students will be equipped as purposeful, competent, creative users of technology who, using their deep knowledge and understanding of computing, can create appropriate digital artefacts, problem solve confidently and program skilfully

Qualification(s)	A Level Computer Science
Exam Board	OCR
Link to Specification	https://www.ocr.org.uk/qualifications/as-and-a-level/computer-science-h046-h446-from-2015/

	Aut Term 1a	Aut Term 1b	Spr Term 2a	Spr Term 2b	Sum Term 3a	Sum Term 3b
Year 12	Component 1.2: Software and software development Component 2.1: Elements of computational thinking Component 3 Practical Programming	Component 1.2: Software and software development 1.3: Exchanging Data Component 2.1: Elements of computational thinking Component 3 Practical Programming	Component 1.3: Exchanging Data Component 2.1: Elements of computational thinking Component 3.1: Analysis of the problem	Component 1.3: Exchanging Data Component 2.2: Problem solving and programming Component 3.1: Analysis of the problem	Component 1.1: The characteristics of contemporary processors, input, output and storage devices Component 2.2: Problem solving and programming Component 3.2: Design of the solution	Component 1.1: The characteristics of contemporary processors, input, output and storage devices Component 2.2: Problem solving and programming Component 3.2: Design of the solution
Year 13	Component 1.1: The characteristics of contemporary processors, input, output and storage devices 1.4: Data types, data structures and algorithms Component 2.3: Algorithms Component 3.3: Development of the solution	Component 1.4: Data types, data structures and algorithms Component 2.3: Algorithms Component 3:3 Development of the Solution	Component 1.5: Legal, moral, cultural and ethical issues Component 2.3: Algorithms Component 3:3 Development of the Solution	Component 1 Revision Component 2 Revision Component 3 Evaluation	Component 1 Revision Component 2 Revision Component 3 Evaluation and hand in NEA	Exams NEA submitted by May

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Qualification(s)	BTEC Nat IT Level 3
Exam Board	Edexcel
Link to Specification	https://qualifications.pearson.com/content/dam/pdf/BTEC-Nationals/Information-Technology/2016/specification-and-sample-assessments/specification-pearson-btec-level-3-national-extended-certificate-in-information-technology.pdf

	Aut Term 1a	Aut Term 1b	Spr Term 2a	Spr Term 2b	Sum Term 3a	Sum Term 3b
Year 12	Unit 2 - Creating Systems to Manage Information AO1, AO2, AO3, AO4, AO5	Unit 2 - Creating Systems to Manage Information AO1, AO2, AO3, AO4, AO5	Unit 2 Examination revision for January exam Unit 6 - Introduction to website development Unit 6 A. Assignment Understand the principles of website development	Unit 6B/C Designing and developing a website to meet clients needs Unit 6B and C: Assignment Designing and Developing a Website to meet clients needs	Unit 6B and C: Assignment Designing and Developing a Website to meet clients needs	Unit 1: Information Systems Technology Covering AO1, AO2, AO3, AO4, AO5
Year 13	Unit 1: Information Systems Technology Covering AO1, AO2, AO3, AO4, AO5	Unit 1: Information Systems Technology Covering AO1, AO2, AO3, AO4, AO5	Unit 1 Examination in January Unit 3: Using Social Media and Business: 3A: How businesses use social media to promote their products and services	Unit 3: Using Social media and Business 3A: Assignment: Explore the impact of social media and ways in which businesses promote their products and services 3B:Planning and implementing a social media campaign	3B/C Assignment Develop a plan and implement the use of social media in a business to meet requirements	3B/C Resubmission by June if needed.