Key Stage 5 Curriculum Overview for Computer Science

Year	Half Term 1	Half Term 2	Half Term 3	Half Term 4	Half Term 5	Half Term 6
12	OCR topics 1.1.1 Structure and function of the processor, 1.1.2 Types of processor	1.1.3 Input, output and storage, 2.1 Computational Thinking	1.2.1 Systems Software, 1.2.2 Applications Generation	1.2.3 Software Development and 1.2.4 Types of Programming Language	1.4.2 Data Structures, 1.5.1 Computing related legislation. Launch Unit 3 (major project)	2.3.1 Algorithms part 1, 1.5.2 Moral and ethical Issues, Project work.
	2.2.1 Programming techniques, including programming theory and practical experience, runs throughout the course. Students use mainly Python but also some C#, Visual Basic and JavaScript.			**Assessments** run at the end of each topic and are **synoptic** (all content covered so far). There is an end of year mock.		
13	2.2.1 Programming techniques, 2.2.2 Computational methods	2.3.1 Algorithms part 2, 1.3.1 Compression, Encryption and Hashing and 1.3.2 Databases	1.4.1 Data Types (including binary arithmetic), 1.3.3 Networks	1.4.3 Boolean algebra and 1.3.4 Web Technologies	Revision and exam technique	Exams
	The Practical Programming project (20%) runs up to end of Half Term 1.			Assessments run at the end of each topic and there is a mock in Half Term 3.		