



ject curriculum overview – Key Stage 3 and 4 ((For information on more detailed UOL or curriculum maps please email Mr Barnes)



## Curriculum Overview: Computing and Computer Science

### Key Stage 3

	Half Term 1	Half Term 2	Half term 3	Half Term 4	Half Term 5	Half Term 6
<b>Year 7</b>	CS01 Email and Security	CS06 Computer Systems	CS08 Spreadsheets	CS12 Publisher	Introduction to Coding	
<b>Year 8</b>	CS04 Introduction to Programming – Scratch	CS10 HTML and the internet	CS03 Data Science	CS16 Networks	CS05 Python Turtle – PRIMM	CS02 Microbits – Physical Computing
<b>Year 9</b>	CS20 Python programming	CS14 Cyber Security	CS21 Computing Ethics	CS22 Computational Thinking	CS25 Learning Skills and revision	CS15 Blender 3D modeling



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### Key Stage 4 Computer Science – OCR J277

	Half Term 1	Half Term 2	Half term 3	Half Term 4	Half Term 5	Half Term 6
<b>Year 10</b>	Intro	1.1 Systems Architecture	1.2 Memory and Storage	1.3 Computer Networks 1.4 Network Security	1.5 Systems Software 1.6 Ethical, Legal, Cultural and environmental	2.1 Algorithms 2.2 Programming Fundamentals
	Computational thinking and Python Programming					
<b>Year 11</b>	2.3 Producing Robust Programs 2.4 Boolean Logic	2.5 Programming Languages and IDE's	Revision	Revision	Revision	
	Computational thinking and Python Programming					

### Key Stage 4 Information Technology – WJEC Technical Award in Information Technology

	Half Term 1	Half Term 2	Half term 3	Half Term 4	Half Term 5	Half Term 6
<b>Year 10</b>	1.1 ICT in Society		1.2 Using Data and Information		1.3 Impacts of IT and Cyber Security	
	2.1 Databases	2.1 Spreadsheets		2.3 Automated Documents		2.4 Working with Images
<b>Year 11</b>	Unit 2 preparation		Unit 2 Assessment		Revision	