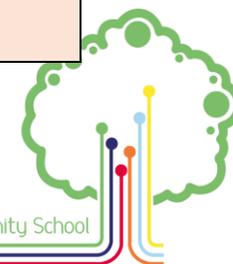


Subject: COMPUTER SCIENCE

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 7	Introduction to Digital literacy	Intro to spreadsheets	Computational thinking (Logic Gates/Binary) Data Representation	Scratch	Inside a computer	Microbits
Year 8	Intro to Python	Spreadsheets	HTML & Web Development	Graphics and Sound	Data Representation (Binary and logical thinking)	Control Modelling
Year 9	Python	Networks	Graphics, Media & AI	Computer Knowledge (CPU, Storage, Laws, Software)	Cybersecurity	Wider Impact (Past, Present & Future)
Year 10	Inside the computer <ul style="list-style-type: none"> • Binary Revision • 1.1.1 Architectures of the CPU • 1.1.2 CPU Performance • 1.2.1 Primary Storage • 1.2.2 Secondary Storage Computational Logical thinking <ul style="list-style-type: none"> • 2.1.1 Computational thinking • 2.1.2 Designing, Creating and Refining Algorithms • 2.4.1 Boolean Logic 		Programming Fundamentals <ul style="list-style-type: none"> • 2.2.1 Programming Fundamentals • 2.2.2 Data Types • 2.2.3 Additional Programming Techniques Numbers & Data Representation <ul style="list-style-type: none"> • 1.2.3 Units • 1.2.4 Data Representation • 1.2.5 Compression 		Programming Skills <ul style="list-style-type: none"> 1.5.1 Operating Systems 1.1.3 Embedded Systems 1.5.2 Utility Software 	Programming Project



<p>Year 11</p>	<p>Networks</p> <ul style="list-style-type: none"> • 1.3.1 Networks and Topologies • 1.3.2 Wired and Wireless Networks, Protocols and Layers • 1.4.1 Network Threats • 1.4.2 Identifying preventions <p>2.5.1 Languages 2.3.1 Defensive Design 2.3.2 Testing 2.5.2 IDE</p>	<p>1.6.1 Ethical, Legal, Cultural and Moral</p> <p>2.1.3 Searching and Sorting</p>	<p>Paper 1 and Paper 2 Revision</p>	<p>Paper 1 and Paper 2 Revision</p>	
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Awarding and specification information for KS4

OCR J277 Computer Science

[GCSE - Computer Science \(9-1\) - J277 \(from 2020\)](#)