GCSE COMPUTER SCIENCE CURRICULUM MAP/SEQUENCE

	YEAR 10	YEAR 11
Autumn 1	 1.1.1 Architecture of the CPU 1.1.2 CPU Performance 1.1.3 Embedded systems 2.4.1 Boolean logic 1.2.3 Units 1.2.4 Data storage – numbers 	 1.4.1 Threats to systems and networks 1.4.2 Identifying and preventing vulnerabilities 1.5.1 Operating systems 1.5.2 Utility software 1.6.1 Ethical, legal, cultural,
	2.1.2 Designing, creating and refining algorithms.	environmental issues
Autumn 2	 2.1.2 Designing, creating and refining algorithms. 2.2.1 Programming fundamentals 2.2.2 Data types 2.2.1 Programming fundaments cont. Practical programming skills 	 1.6.1 Ethical, legal, cultural, environmental issues 2.3.1 Defensive design 2.3.2 Testing 2.5.1 Programming languages 2.5.2 The IDE Practical programming
Spring 1	2.2.3 Additional programming	2.1.3 Searching and sorting algorithms
Spring 1	Practical programming skills	Programming challenges
Spring 2	 1.2.4 Data storage – characters, images, sound 1.2.5 Compression Practical programming skills 	Programming project Revision
Summer 1	1.2.1 Primary storage (memory)1.2.2 Secondary storage1.3.1 Networks and topologies	Revision
Summer 2	1.3.2 Wired and wireless networks Revision Practical programming skills	