

KS3 Units Taught:

	Year 7	Year 8	Year 9
Autumn Term	Digital Literacy	Data Representation	Systems & Networks
	Under the Hood	Algorithms & Programming	Algorithmic Thinking
Spring Term	Programming in Scratch	Interactive Multimedia Product	Cyber Security
	E-Safety/ Careers / Autumn Retrieval	E-Safety/ Careers/ Autumn Retrieval	Careers/ Autumn Retrieval
Summer Term	Programming in Python	The Media Industry	Digital Graphics: Virtual Tech
	Digital Graphics: Theme Park	Digital Graphics: Travel Guide	Interactive Multimedia Product

KS4 Computer Science Units Taught:

	Year 10	Year 11
Autumn Term	2.1 Algorithms 1.1 Systems Architecture Practical Programming	Practical Programming Retrieval 2.1, 2.2, 2.3 Retrieval 1.1, 1.2
	2.2 Programming Fundamentals 2.3 Producing Robust Programs Practical Programming	Practical Programming Retrieval 2.4, 2.5 Retrieval 1.3, 1.4, 1.5
Spring Term	1.2 Memory & Storage 1.3 Computer Networks 1.4 Network Security Practical Programming	Retrieval 1.6 Practical Programming Practice Papers
	2.4 Boolean Logic 1.4 Network Security Practical Programming	Practical Programming Retrieval All Topics Practice Papers
Summer Term	1.5 Systems Software 1.6 Ethical, Legal, Cultural & Environmental Impacts of Technology	

	2.5 Programming Languages & IDEs Practical Programming	
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KS4 Core Computing:

KS4 Computing at Mount Carmel equips students with the digital skills needed for success in education and future careers. Our curriculum includes engaging drop-down days focused on cyber security, programming, and digital literacy, helping pupils develop both technical expertise and an understanding of online safety. Beyond computing, students use technology across the curriculum in subjects such as maths, science, design technology and health and social care, reinforcing their learning in real-world contexts. These experiences also link to a wide range of career pathways, from data analysis to cyber security and digital media, ensuring pupils are prepared for the opportunities of a rapidly evolving digital world.