Computer Science Curriculum Overview - Year 13

	Unit	Details
Autumn One	**Networks and Web Technologies** **Boolean Algebra**	Pupils will explore Networks and Web Technologies, gaining an understanding of how computer networks operate, including the protocols, hardware, and software that enable data exchange. They will also learn about web technologies, such as HTML, CSS, and JavaScript, to design and develop websites, along with concepts like client–server architecture, network security, and the functioning of the internet. Additionally, pupils will focus on Boolean Algebra, developing their ability to simplify logical expressions, construct truth tables, and apply Boolean laws (such as De Morgan's Laws) to solve computational and algorithmic problems.
Autumn Two	**Legal, moral, ethical and cultural issues** **NEA - Deadline**	Pupils will study Legal, Moral, Ethical, and Cultural Issues, gaining insights into the impact of technology on society. They will explore laws related to data protection, intellectual property, and computer misuse. Pupils will also examine ethical considerations in technology use, such as privacy, surveillance, and the digital divide, as well as cultural impacts, including how technology influences and is influenced by different cultures and societal norms. Pupils complete and submit their NEA programming project.
Spring One Spring Two	**Paper 1 Exam Retrieval** **Paper 2 Exam Retrieval**	Pupils explore exam technique and retrieval, we help to prepare the pupils for their final A-Level exams by revising the topics we have studied and building their confidence in answering exam-style questions.