

Computing

Programme of Study	Year 8 Milestones
Algorithms and Programming	Know that programming bridges the gap between algorithmic solutions and computers (P)
	Recognise that iteration is the repetition of a process such as a loop (A)
	Use nested selection statements (e.g. I can nest functions by putting one script block inside another script block) (P)
	Recognise that some problems share the same characteristics and use the same algorithm to solve them (A)
	Identify similarities and differences in situations and can use these to solve problems.(A)
	Represent solutions using a structured notation (A)
	Use a range of operators and expressions, e.g. Boolean, and apply them in the context of program control (P)
	Know the difference between, and I can use appropriately procedures and functions (P)
Data and Data Representation	Perform simple operations using bit patterns e.g. Binary addition
	Understand how numbers, images, sounds and character sets use the same bit patterns
	Understands the relationship between resolution and colour depth, including the effect on file size
Communication and Networks	Understand how search engines rank results
	Know how to construct static web pages using HTML and CSS
Information Technology and Use of Applications	Justify the choice of, and independently combines and uses multiple digital devices, internet services and application software to achieve a given goal
	Evaluate the trustworthiness of digital content and considers the usability of visual design features when designing and creating digital artifacts for a known audience.
	Identify and explain how the use of technology can impact society
	Design criteria for users to critically evaluate the quality of solutions, use the criteria to identify improvements, and make appropriate improvements to the solution