

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