

Key Performance Indicators	Year 7 Milestones - Computing
Algorithms and Programming	I can understand that a recursive solution to a problem repeatedly applies the same solution to smaller instances of the problem. (A)
Data and Data Representation	I can analyse and evaluate data and information, and recognise that poor quality data leads to unreliable results, and inaccurate conclusions.
	I can query data on one table using using a typical query language.
	I know that digital computers use binary to represent all data.
	I can identify how bit patterns represent numbers and images.
	I know that computers transfer data in binary.
	I can understand the relationship between binary and files size.
Hardware and Processing	I know that there is a range of operating systems and applications software for the same hardware.
	I can identify the main concepts behind the fetch execute cycle.
	I know the function of the main internal parts of basic computer architecture.
Communication and Networks	Understand data transmission between digital computers over networks including the internet , i.e. IP addresses and packet switching.
Information Technology and Use of Applications	I can evaluate the appropriateness of digital devices, internet services and application software to achieve given goals.
	I can reconise ethical issues surrounding the application of technology beyond school.
	I can use design criteria to critically evaluate the quality of solutions, use the criteria to identify improvements, and make appropriate improvements to the solution.