

Computing Non Negotiables

Technology threads	Pos /Technology Strand	Year 3
Programming	<p>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <p>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<ul style="list-style-type: none"> • Design and write programs with specific outcomes • Predict outcomes, test and evaluate • Understand and explore a range of commands • Recognise that different sequences can achieve the same outcome • Recognise repeat in a sequence • Explore input and output forms • Recognise that errors can occur when writing programs • Test and modify sequences in programs
Data	<p>select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information.</p>	<ul style="list-style-type: none"> • Use technology to develop, organise and share information across a safe, shared platform • Use a range of resources to present work effectively • Evaluate and modify appropriately • Use data to answer questions • Use different tools to present data • Use a pre-prepared database
Understanding	<p>understand computer networks including the internet; how they can provide multiple services, such as the world-wide web; and the opportunities they offer for communication and collaboration</p> <p>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p>	<ul style="list-style-type: none"> • The difference between the school network and the internet • Difference between the world wide web and the internet • Understand when using resources from the school network, the internet or a personal device • Store information in different places using different devices • Using email and blogs to communicate
Using Effectively	<p>select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>use search technologies effectively, appreciate how results are selected and ranked,</p>	<ul style="list-style-type: none"> • Use a range of searches with adult supervision

	and be discerning in evaluating digital content	
Keeping Safe	use technology safely, respectfully and responsibly; know a range of ways to report concerns and inappropriate behaviour	<ul style="list-style-type: none"> • Keeping information safe and private • Begin to understand how to keep safe when sharing information online • Know how to report online problems, discuss cyberbullying • Recognise the need to choose age appropriate online sites • Discuss viruses and malware

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*Being a digital Citizen, creator,
 communicator*