

Computing Non Negotiables

Technology threads <i>Being a digital Citizen, creator, communicator</i>	Pos	Year 2
Programming	<p>Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions</p> <p>create and debug simple program</p> <p>use logical reasoning to predict the behaviour of simple programs</p>	<ul style="list-style-type: none"> • Write own narrative algorithms, using a list of commands, with precision and clarity • Create programs to be executed on a programmable toy • Understand that an algorithm is a set of instructions which is implemented as a program • Use programmable toys and screen turtles as programming devices • Correct errors in own programs on both a screen turtle and a floor robot. • Use the term 'debug'
Data	<p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<ul style="list-style-type: none"> • Collect a range of information using technology • Represent data in different ways • Create a range of digital content, save, retrieve and evaluate • Understand the file system on the school network and on and online space • Retrieve information from the Internet • Use a safe search • Select appropriate tools for a task
Understanding	<p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>recognise common uses of information technology beyond school</p>	<ul style="list-style-type: none"> • Predict the actions of a screen or floor turtle from a program • Test predictions • Answer questions about changes in a program: What will happen if?
Using Effectively	<p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<ul style="list-style-type: none"> • Talk about and use technology linked to a variety of topics (weather, post etc). Identify the purpose • Use a simple messaging and email program • Model the use of video messaging and webcams • Discuss the veracity of internet search results
Keeping Safe	<p>use technology safely and respectfully, keeping personal information private; know where to go for help and support when they have concerns about material on the internet</p>	<ul style="list-style-type: none"> • Understand what personal information is and how to keep it private • Know what to do if something online makes them uncomfortable • Understand the difference between online world and the real world • How to be respectful and polite online • Agree e-safety rules

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By SH, JM, KP, CA, EA

- Choosing age appropriate material on the internet