



## FEDERATION CURRICULUM OVERVIEW – BEING A COMPUTER USER



Year One	Year Two	Year Three	Year Four	Year Five	Year Six
<p><u>Algorithms and programming</u> I create a series of instructions.</p> <p>I plan a journey for a programmable toy.</p> <p><u>Information technology</u> I create digital content.</p> <p>I store digital content.</p> <p>I retrieve digital content.</p> <p>I use a web site.</p> <p>I use a camera.</p> <p>I record sound and play back.</p> <p><u>Digital literacy</u> I use technology safely.</p> <p>I keep personal information private.</p>	<p><u>Algorithms and programming</u> I use a range of instructions (e.g. direction, angles, turns).</p> <p>I test and amend a set of instructions.</p> <p>I find errors and amend. (debug)</p> <p>I write a simple program and test it.</p> <p>I predict what the outcome of a simple program will be (logical reasoning).</p> <p>I understand that algorithms are used on digital devices.</p> <p>I understand that programs require precise instructions.</p>	<p><u>Algorithms and programming</u> I design a sequence of instructions, including directional instructions.</p> <p>I write programs that accomplish specific goals.</p> <p>I work with various forms of input.</p> <p>I work with various forms of output.</p> <p><u>Information technology</u> I use a range of software for similar purposes.</p> <p>I collect information.</p> <p>I design and create content.</p> <p>I present information.</p>	<p><u>Algorithms and programming</u> I experiment with variables to control models.</p> <p>I give an on-screen robot specific instructions that takes them from A to B.</p> <p>I make an accurate prediction and explain why I believe something will happen (linked to programming).</p> <p>I de-bug a program.</p> <p><u>Information technology</u> I select and use software to accomplish given goals.</p> <p>I collect and present data.</p> <p>I produce and upload a pod cast.</p>	<p><u>Algorithms and programming</u> I combine sequences of instructions and procedures to turn devices on and off.</p> <p>I use technology to control an external device.</p> <p>I design algorithms that use repetition &amp; 2-way selection.</p> <p><u>Information technology</u> I analyse information.</p> <p>I evaluate information.</p> <p>I understand how search results are selected and ranked.</p> <p>I can edit a film.</p>	<p><u>Algorithms and programming</u> I design a solution by breaking a problem up.</p> <p>I recognise that different solutions can exist for the same problem.</p> <p>I use logical reasoning to detect errors in algorithms.</p> <p>I use selection in programs.</p> <p>I work with variables.</p> <p>I explain how an algorithm works.</p> <p>I explore 'what if' questions by planning different scenarios for controlled devices.</p>

	<p><u>Information technology</u> I organise digital content.</p> <p>I retrieve and manipulate digital content.</p> <p>I can navigate the web to complete simple searches.</p> <p><u>Digital literacy</u> I use technology respectfully.</p> <p>I know where to go for help if I am concerned.</p> <p>I know how technology is used in school and outside of school.</p>	<p>I search for information on the web in different ways.</p> <p>I manipulate and improve digital images.</p> <p><u>Digital literacy</u> I use technology respectfully and responsibly.</p> <p>I know different ways I can get help if I am concerned.</p> <p>I understand what computer networks do and how they provide multiple services.</p> <p>I can discern where it is best to use technology and where it adds little or no value.</p>	<p><u>Digital literacy</u> I recognise acceptable and unacceptable behaviour using technology.</p>	<p><u>Digital literacy</u> I understand that you have to make choices when using technology and that not everything is true and/or safe.</p>	<p><u>Information technology</u> I select, use and combine software on a range of digital devices.</p> <p>I use a range of technology for a specific project.</p> <p><u>Digital literacy</u> I discuss the risks of online use of technology.</p> <p>I identify how to minimise risks.</p>
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