

"At St Michael's, we believe that high-quality computing lessons and online safety provision will equip children to harness technology in a safe, purposeful and creative way as computer users."

	Reception	Year 1	Year 2	Year 3	Year 4
<p>Computer Science</p> <p>Algorithms and Programming</p>	<p>Select and use technology for particular purposes.</p>	<p>I can create a series of instructions.</p> <p>I can plan a journey for a programmable toy.</p>	<p>I can use a range of instructions (e.g. direction, angles, turns).</p> <p>I can test and amend a set of instructions.</p> <p>I can find errors and amend. (debug)</p> <p>I can write a simple program and test it.</p> <p>I can 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>I can design a sequence of instructions, including directional instructions.</p> <p>I can write programs that accomplish specific goals.</p> <p>I can work with various forms of input.</p> <p>I can work with various forms of output.</p>	<p>I can experiment with variables to control models.</p> <p>I can give an on-screen robot specific instructions that takes them from A to B.</p> <p>I can make an accurate prediction and explain why I believe something will happen (linked to programming).</p> <p>I can de-bug a program.</p>
<p>Information Technology</p>	<p>Uses ICT hardware to interact with age-appropriate computer software.</p>	<p>I can create digital content.</p> <p>I can store digital content.</p> <p>I can retrieve digital content.</p> <p>I can use a website.</p> <p>I can use a camera.</p>	<p>I can organise digital content.</p> <p>I can retrieve and manipulate digital content.</p> <p>I can navigate the web to complete simple searches.</p>	<p>I can use a range of software for similar purposes.</p> <p>I can collect information.</p> <p>I can design and create content.</p>	<p>I can select and use software to accomplish given goals.</p> <p>I can collect and present data.</p> <p>I can produce and upload a podcast.</p>

		I record sound and play back.		<p>I can present information.</p> <p>I can search for information on the web in different ways.</p> <p>I can manipulate and improve digital images.</p>	
Digital Literacy	Recognise that a range of technology is used in places such as homes & schools.	<p>I can use technology safely.</p> <p>I can keep personal information private.</p>	<p>I can 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 can 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>	I can recognise acceptable and unacceptable behaviour using technology.