



Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>IT: To recognise common uses of information technology in the home and school environment.</p>	<p>IT: To recognise common uses of information technology beyond school.</p>	<p>IT: To recognise familiar forms of input and output devices and how they are used.</p>	<p>IT: To use other input devices such as cameras or sensors.</p>	<p>IT: To begin to use internet services to share and transfer data and a third party.</p>	<p>IT: To understand how computer networks enable computers to communicate and collaborate.</p>
<p>IT: To use technology purposefully to create digital content.</p>	<p>IT: To use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>IT: To make efficient use of familiar forms of input and output devices.</p>	<p>IT: To understand what servers and how they provide services to a network.</p>	<p>IT: To independently select and use appropriate software for a task.</p>	<p>IT: To begin to use internet services within his/her own creations to share and transfer data to a third party.</p>
<p>To create a set of sequences on the computer.</p>	<p>IT: To use technology purposefully to create digital</p>	<p>IT: To understand that computer networks enable the sharing of data and</p>	<p>IT: To select and use, with support, a variety of software on a range of</p>	<p>IT: To independently select, use and combine a variety</p>	<p>IT: To independently select, use and combine a variety</p>



	content comparing the benefits of different programs.	information.	digital devices.	of software to design and create content for a given audience.	of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information.
<p>IT: To understand that some content or contact on the internet or other online technologies is unsuitable for children.</p>	<p>IT: To use technology safely and keep personal information private.</p>	<p>To use email and other tools to communicate online.</p>	<p>IT: To select, use and combine a variety of software on a range of digital devices to accomplish given goals, with support.</p>	<p>IT: To understand the need to only select age appropriate content.</p>	<p>IT: To design and create a range of programs, systems and content for a given audience.</p>



<p>To know who to talk to if I feel uncomfortable on the internet.</p>	<p>To know how to stay safe on the internet.</p>	<p>TT: To understand that the internet is a large network of computers and that information can be shared between computers.</p>	<p>TT: To use technology responsibly and understand that communication online may be seen by others.</p>	<p>TT: To use filters in search technologies effectively.</p>	<p>TT: To independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information.</p>
<p>TT: To predict the behaviour of simple programmes.</p>	<p>TT: To use logical reasoning to predict the behaviour of simple programs.</p>	<p>To know how a website is developed.</p>	<p>To know that people aren't always who they say they are.</p>	<p>TT: To use filters in search technologies effectively and appreciates how results are selected and ranked.</p>	<p>To detect and correct errors in algorithms and programs.</p>
<p>To predict what will happen in a simple simulation.</p>	<p>To look at a set of instructions and predict what will happen.</p>	<p>TT: To select and use a variety of software to accomplish goals, with support.</p>	<p>TT: To understand where to go for help and support when he/she has concerns about content or contact</p>	<p>To know which information sources are reliable.</p>	<p>TT: To use technology respectfully and responsibly.</p>



			on the internet or other online technologies.		
TT: To understand what algorithms are and how they are implemented on digital devices.	TT: To create simple sets of instructions.	To write an algorithm to reach a simple goal.	TT: To understand how results are selected and ranked by search engines.	To discover if a website is trusted and reliable.	To know how to be a safe and responsible online member.
To present and save ideas in a variety of ways.	To understand the word algorithm and can create and edit a set of instructions.	To program a robot to complete a task or reach a goal.	To use a programmes of tools to present information.	TT: To design, input and test an increasingly complex set of instructions to a program or device.	TT: To identify a range of ways to report concerns about content and contact in and out of school.



	TT: To create and debug simple programs.	TT: To use technology safely and respectfully, keeping personal information private.	TT: To decompose programs into smaller parts.	To write a simple code.	TT: To be discerning when evaluating digital content.
	To test and edit a robot to make instructions more effective.	TT: To use technology safely and recognise acceptable and unacceptable behaviour.	To pick apart a programme to reveal how it works.	TT: To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems.	TT: To use filters in search technologies effectively and is discerning when evaluating digital content.
	TT: To debug programs by using logical reasoning to predict the actions instructed by code.	TT: To use technology safely and recognise acceptable and unacceptable behaviour.	TT: To use logical reasoning to detect and correct errors in algorithms and programs.	To understand how inputs and outputs work.	To use a variety of different types of searches.



	<p>TT: To understand that programs execute by following precise and unambiguous instructions.</p>	<p>To know how to talk appropriately on the internet.</p>	<p>To understand how simple coding works.</p>	<p>TT: Design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated.</p>	<p>TT: To include use of sequences, selection and repetition with the hardware used to explore real world systems.</p>
	<p>To understand how a website is organised.</p>	<p>To use tools to improve presentation of ideas.</p>	<p>To program a robot using a sequence and repetition to complete a task.</p>	<p>To solve a problem by breaking a program into several smaller parts.</p>	<p>TT: To solve problems by decomposing them into smaller parts.</p>
	<p>To open, edit and save ideas and use a variety of different programmes.</p>		<p>TT: To select use and combine a variety of software, systems and content that accomplish given goals.</p>	<p>TT: To design, write and test simple programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the</p>	<p>TT: To create programs which use variables.</p>



				user.	
			To use collaborative programmes and the internet to share and present ideas.	TT: To use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency.	To create an algorithm to create a simulation or game.
					TT: To use variables, sequence, selection and repetition in programs.



					<p>TT: To use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms and programs efficiently.</p>
					<p>To test and edit programs.</p>