


Computing Progression of Skills and Knowledge (KS2)				
		Year 3 and 4		Year 5 and 6
ICT	<p>recognise familiar forms of input and output devices and how they are used</p> <p>make efficient use of familiar forms of input and output devices</p> <p>with support select and use a variety of software to accomplish goals</p>	<p>use other input devices such as cameras or sensors</p> <p>with support select and use a variety of software on a range of digital devices</p> <p>with support select, use and combine a variety of software on a range of digital devices to accomplish given goals</p>	<p>independently select and use appropriate software for a task</p> <p>independently select, use and combine a variety of software to design and create content for a given audience</p>	<p>independently select, use and combine a variety of software to design and create content for a given audience, including collecting, analysing, evaluating and presenting data and information</p> <p>design and create a range of programs, systems and content for a given audience</p> <p>independently select, use and combine a variety of software to collect, analyse, evaluate and present data and information</p>
	<p>use technology safely and respectfully, keeping personal information private</p> <p>use technology safely and recognise acceptable and unacceptable behaviour</p>	<p>use technology responsibly and understand that communication online may be seen by others</p> <p>understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies</p>	<p>understand the need to only select age appropriate content</p>	<p>use technology respectfully and responsibly</p> <p>identify a range of ways to report concerns about content and contact in and out of school</p>

Computational Thinking	<p>design, write and debug programs that control or simulate virtual events</p> <p>use logical reasoning to explain how some simple algorithms work</p>	<p>decompose programs into smaller parts</p> <p>use logical reasoning to detect and correct errors in algorithms and programs</p> <p>select, use and combine a variety of software, systems and content that accomplish given goals</p>	<p>design, input and test an increasingly complex set of instructions to a program or device</p> <p>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</p> <p>design, write and test simple programs that follow a sequence of instructions or allow a set of instructions to be repeated</p> <p>design, write and test simple programs with opportunities for selection, where a particular result will happen based on actions or situations controlled by the user</p> <p>use logical reasoning to explain how increasingly complex algorithms work to ensure a program's efficiency</p>	<p>include use of sequences, selection and repetition with the hardware used to explore real world systems</p> <p>solve problems by decomposing them into smaller parts</p> <p>create programs which use variables</p> <p>use variables, sequence, selection and repetition programs</p> <p>use logical reasoning to explain how increasingly complex algorithms work and to detect and correct errors in algorithms and programs efficiently</p>
	<p>understand that computer networks enabling the sharing of data and information</p> <p>understand that the internet is a large network of computers and that information can be shared between computers</p>	<p>understand what services are and how they provide services to a network</p>	<p>begin to use internet services to share and transfer data to a third party</p>	<p>understand how computer networks enable computers to communicate and collaborate</p> <p>begin to use internet searches within his/her own creations to share and transfer data to a third party</p>
Digital Literacy	<p>use simple search technologies</p> <p>use simple search technologies and recognise that some sources are more reliable than others</p>	<p>understand how results are selected and ranked by search engines</p>	<p>use filters in search technologies effectively</p> <p>use filters in search technologies effectively and appreciate how results are selected and ranked</p>	<p>use filters in search technologies effectively and is discerning when evaluating digital content</p>