

	Y4 COMPUTING PROGRESSION MAP	
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		Progression Statement	
Computer Science: Problem Solving	Designs, writes and debugs programs of increasing complexity that control or simulate physical systems.	Decomposes problems into smaller parts with some verbal reasoning.	Decomposes more open-ended problems into smaller parts, provides some reasoning for their choices.
Computer Science: Programming	Has an understanding of how sequencing, using inputs and repetition in programs has specific effects on the output, works with 'loops' and understands their effect.	Uses controlled sequencing, inputs and repetition in programs and understands their effects on the output. Uses conditions more frequently.	Applies their knowledge and understanding of conditions more frequently.

<p>Computer Science: Logical thinking</p>	<p>Uses logical reasoning to explain how simple algorithms work with improved language.</p> <p>Beginning to understand how networks can provide multiple services, such as the world wide web.</p>	<p>Uses logical reasoning to detect and correct errors in simple algorithms and programs.</p> <p>Understands how networks can provide multiple services, such as the world wide web.</p>	<p>Detects and correct errors in multiple algorithms and programs.</p> <p>Uses logical reasoning, is beginning to explain how multiple algorithms work within a program.</p>
<p>Information Technology: Creating content</p>	<p>Selects, uses and combines a variety of software on a range of digital devices for a variety of different purposes.</p> <p>Shows increased confidence when introduced to new technologies and media.</p> <p>Collects, analyses, evaluates and presents data and information in different ways.</p>	<p>Shows an awareness of the audience when selecting, using and combining software for a particular purpose.</p> <p>Chooses different layouts and effects such as text box, columns, tables, justification, borders, background Colour etc. to refine and improve my work.</p>	<p>Applies a good understanding of the audience when selecting, using and combining software for a particular purpose.</p>

<p>Information Technology: Searching</p>	<p>Uses simple strategies to increase the accuracy of their keyword searches.</p> <p>Is beginning to compare the number and kinds of sites obtained through searches.</p>	<p>Uses strategies to increase the accuracy of their keyword searches.</p> <p>Beginning to make inferences about their use of various strategies.</p>	<p>Makes inferences about their use of various strategies with a deeper understanding.</p>
<p>Digital Literacy: E-Safety</p>	<p>Uses technology safely, respectfully and responsibly.</p> <p>Recognises acceptable/unacceptable behaviour.</p> <p>Knows a range of ways to report concerns and inappropriate behaviour.</p>	<p>Talks about ways to protect themselves and their friends on digital devices and technology.</p> <p>Is aware that what they post online can be seen by others.</p> <p>Appreciates the need to ask a trusted adult before downloading files and games from the Internet.</p>	<p>Is beginning to explore opportunities networks offer for communication and collaboration between themselves and others.</p>
<p>Digital Literacy: Using IT beyond school</p>	<p>Is responsible to and respectful of their offline and online communities.</p>	<p>Is aware and thinks carefully about the information they share online.</p>	<p>Makes the correct choices when faced with malicious communications that make them feel upset and hurt.</p>