



COMPUTING PROGRESSION MAP

Year 4			
	AUTUMN TERM:	SPRING TERM:	SUMMER TERM:
	Developing a Game [1] HTML [2]	Producing Digital Music [1] Creating Digital Toys [2]	Networks [1] Repetition [2]
Domain	Progression Statement		
Computer Science	<p>Problem Solving:</p> <ul style="list-style-type: none">○ Designs, writes and debugs programs of increasing complexity that control or simulate physical systems.○ Decomposes problems into smaller parts with some verbal reasoning. <p>Programming:</p> <ul style="list-style-type: none">○ 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. <p>Logical thinking:</p> <ul style="list-style-type: none">○ Uses logical reasoning to explain how simple algorithms work with improved language. <p>Can apply their understanding of logical reasoning, predicting the behaviour of simple programs, answering questions like, 'What if..?'</p>		
Information Technology	<p>Creating content:</p> <ul style="list-style-type: none">○ Selects, uses and combines a variety of software on a range of digital devices for a variety of different purposes.○ Uses technology purposefully to create and manipulate digital content for different purposes.○ Shows an awareness of the audience when selecting, using and combining software for a particular purpose.○ Chooses different layouts and effects such as text box, columns, tables, justification, borders, background colour etc. to refine and improve my work. <p>Searching:</p> <ul style="list-style-type: none">○ Uses simple strategies to increase the accuracy of their keyword searches.○ Is beginning to compare the number and kinds of sites obtained through searches. <p>Beginning to make inferences about their use of various strategies.</p>		
Digital Literacy	<p>E-Safety:</p> <ul style="list-style-type: none">○ Explores opportunities that networks offer for communication and collaboration between themselves and others.○ Shows awareness of the SMART rules.○ Talks about ways to protect themselves and their friends on digital devices and technology.○ Is aware that what they post online can be seen by others.		

	<ul style="list-style-type: none"> ○ Appreciates the need to ask a trusted adult before downloading files and games from the Internet. ○ Has an awareness of their digital footprint, that what they do on the internet stays there. ○ Is aware of age restrictions for sites and apps. ○ Shows an understanding of how to create secure passwords. <p>Using IT Beyond School:</p> <p>Makes the correct choices when faced with malicious communications that make them feel upset and hurt.</p>
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Year group long-term overview (with statutory requirements) and subject progression map (above) to be used together to inform medium term planning.