	Y3 COMPUTING PROGRESSION MAP	

		Progression Statement	
Computer Science: Problem Solving	Beginning to solve problems by decomposing them into smaller parts (computational thinking). Beginning to design, write and debug simple programs to accomplish a specific goal.	Shows an understanding of thinking computationally when problem solving. Designs, writes and debugs programs of increasing complexity that accomplish a specific goal.	Is beginning to reason verbally when thinking computationally. Designs, writes and debugs programs of increasing complexity that control or simulate physical systems.
Computer Science: Programming	Is aware of sequence, inputs and repetition when programming.	Uses sequencing, different inputs and repetition in programs.	Has an understanding of how sequencing, using inputs and repetition in programs has specific effects on the output.

Computer Science: Logical thinking	Shows awareness of logical reasoning to explain how simple algorithms work. Begins to use logical reasoning to detect and correct errors in simple algorithms and programs.	Is beginning to use language associated with logical reasoning to explain how some simple algorithms work. Is aware of computer networks including the internet. Is aware of how networks can provide multiple services, such as the world wide web.	Understands computer networks including the internet. Uses networks that provide multiple services, such as the world wide web.
Information Technology: Creating content	Selects and uses services on digital devices. Collects data and information. Is beginning to analyse, evaluate and present data and information.	Selects, uses and combines several services on digital devices. Collects data and information. Analyses, evaluates and present data and information.	Selects, uses and combines a variety of software (including internet services) on a range of digital devices. Collects, analyses, evaluates and presents data and information.
Information Technology: Searching	Uses search technologies with awareness of how results are selected and ranked	Uses search technologies with an understanding of how search results are selected and ranked.	Has strategies to increase the accuracy of their keyword searches.

Digital Literacy: E-Safety	Shows an understanding of how to create secure passwords. Is aware of ways to protect personal information on different platforms. Shows awareness of the age appropriateness of apps and websites. Recognises and shows awareness of how to report inappropriate content and behaviour.	Describes how to create secure passwords. Is aware of issues and risks associated with inappropriate apps and websites. Knows how to report inappropriate content and behaviour within apps and on websites.	Shows an understanding of issues and risks associated with inappropriate apps and websites, makes choices.
Digital Literacy: Using IT beyond school	Behaves safely and appropriately if part of an online/ app 'community' of others.	Is aware that members of apps/ online 'communities' may not be who they think they are.	If connected via digital messaging services including email, communicates appropriately, shows awareness of their tone and recipient.