



## Nene Valley Primary School

### COMPUTING CURRICULUM MAP

	Phase 1/2		Phase 3/4		Phase 5/6	
	Cycle A	Cycle B	Cycle A	Cycle B	Cycle A	Cycle B
	<p><b>Computing systems and Network</b> – IT around us - Identifying IT and how its responsible use improves our world in school and beyond.</p>	<p><b>Creating media</b> – Digital painting - Choosing appropriate tools in a program to create art, and making comparisons with working non-digitally.</p>	<p><b>Computing and system networks</b> – The Internet - Recognising the internet as a network of networks including the WWW, and why we should evaluate online content.</p>	<p><b>Computing systems and networks</b> – Connecting computers - Identifying that digital devices have inputs, processes, and outputs, and how devices can be connected to make networks.</p>	<p><b>Programming</b> – Variables in games - Exploring variables when designing and coding a game.</p>	<p><b>Creating Media</b> – Video Production - Planning, capturing, and editing video to produce a short film</p>
Autumn	<p><b>E-safety</b> To be able to recognise when something they see or hear online makes them feel uncomfortable.</p> <p>To know what to do when something they see or hear online makes them feel uncomfortable.</p> <p>To understand what they have learned and be able to share it with others.</p>	<p><b>E-Safety</b> To understand that the information I put online leaves a digital footprint</p> <p>To recognise whether a website is appropriate for children.</p> <p>To be able to identify kind and unkind behaviour online..</p>	<p><b>E-Safety-</b> To understand how websites use advertisements to promote products.</p> <p>To explore different ways children can communicate online.</p> <p>To use knowledge about online safety to plan a party online.</p>	<p><b>E-safety</b> To understand what they have learned and be able to share it with others.</p> <p>To create strong passwords and understand privacy settings.</p> <p>To safely send and receive emails.</p>	<p><b>E-safety</b> To understand the need to be careful about how they present themselves online.</p> <p>To know the information which should and should not be shared online.</p> <p>To know how to safeguard their online information.</p>	<p><b>E-Safety</b> To be able to apply their knowledge of which information to share online when creating profiles.</p> <p>To be able to review and improve their online profiles.</p> <p>To develop safe approaches to setting up passwords.</p>
Spring	<p><b>Creating Media</b> – Digital photography- Capturing and changing digital photographs for different purposes.</p>	<p><b>Data and information</b> – Grouping data - Exploring object labels, then using them to sort and group objects by properties.</p>	<p><b>Creating Media</b> – Audio Production - Capturing and editing audio to produce a podcast, ensuring that copyright is considered.</p>	<p><b>Creating Media</b> – Stop frame animation - Capturing and editing digital still images to produce a stop-frame animation that tells a story.</p>	<p><b>Data and Information</b> – Introduction to spreadsheets - Answering questions by using spreadsheets to organise and calculate data.</p>	<p><b>Systems and searching</b> - Recognising IT systems in the world and how some can enable searching on the internet.</p>

Summer	<b>Data and information</b> – grouping data - Exploring object labels, then using them to sort and group objects by properties.	<b>Programming B</b> – Programming animations - Designing and programming the movement of a character on screen to tell stories	<b>Programming</b> – Repetition in games - Using a block-based programming language to explore count-controlled and infinite loops when creating a game.	<b>Programming</b> – Repetition in games - Using a block-based programming language to explore count-controlled and infinite loops when creating a game.	<b>Creating media</b> - Webpage creation - Designing and creating webpages, giving consideration to copyright, aesthetics, and navigation.	<b>Data and information</b> – Flat File databases - Using a database to order data and create charts to answer questions.
	<b>E-safety weeks on top of specific curriculum coverage</b>					