



## Our Computing Curriculum overview

### EYFS Links

Children explore digital devices through play-based experiences, using technology to support learning, creativity and communication. They begin to understand that technology responds to actions and learn simple rules for using devices safely. These experiences provide a foundation for Key Stage 1, where pupils use technology more independently and purposefully.

Year Group	Unit Title	Key Concept(s)	Big Idea	We are Computer Scientists when...
Year 1	<b>Introduction to Purple Mash</b>	<i>Creating Digital Content Systems, Networks &amp; Digital Devices Online Safety &amp; Digital Citizenship</i>	Technology helps us create, organise and share information.	...we explore digital tools, follow clear instructions, and create simple digital content safely and responsibly.
	<b>Data Explorers</b>	<i>Data &amp; Information Creating Digital Content</i>	Information can be collected, organised and presented to help us answer questions.	...we collect information and use digital tools to organise and present it clearly.
	<b>Creating and Following Instructions</b>  <b>Coding</b>	<i>Algorithms &amp; Computational Thinking Programming &amp; Debugging</i>	Computers follow instructions in a specific order to achieve a goal.	...we create clear instructions, test them, and fix mistakes to solve problems.



	<b>Animated Stories</b>	<i>Creating Digital Content Systems, Networks &amp; Digital Devices</i>	Digital tools allow us to tell stories and share ideas in creative ways.	...we create, edit and improve digital content to communicate ideas clearly.
	<b>Technology around us</b>	<i>Systems, Networks &amp; Digital Devices Online Safety &amp; Digital Citizenship</i>	Technology is used in everyday life to help people work, communicate and solve problems.	...we recognise technology around us and understand how it helps people in different ways.
	<b>Online Safety</b>  <b>No longer a stand alone unit on revised Purple Mash curriculum</b>	<i>Online Safety &amp; Digital Citizenship</i>	Technology should be used safely, respectfully and responsibly.	...we make safe choices when using technology and know how to get help if something worries us online.
<b>Year 2</b>	<b>Creating Pictures</b>	<i>Creating Digital Content Systems, Networks &amp; Digital Devices</i>	Digital tools allow us to create, edit and improve images for a purpose.	...we use digital tools to create, edit and refine images to communicate ideas clearly.
	<b>Making Music</b>	<i>Creating Digital Content</i>	Digital tools can be used to create, edit	...we select, organise and edit sounds to



		<i>Data &amp; Information</i>	and organise sounds to make music.	create digital music for a purpose.
	<b>Coding</b>	<i>Algorithms &amp; Computational Thinking Programming &amp; Debugging</i>	Programs are created by giving clear, precise instructions to achieve a specific outcome.	...we design, test and debug programs using logical thinking.
	<b>Spreadsheets</b>	<i>Data &amp; Information Creating Digital Content</i>	Information can be organised digitally to help us find answers and spot patterns.	...we organise information using digital tools to answer questions and make comparisons.
	<b>Questioning</b>	<i>Data &amp; Information Algorithms &amp; Computational Thinking</i>	Questions can be used to sort and find information.	...we ask clear questions and follow decision paths to find information efficiently.
	<b>Online Safety</b>  <b>No longer a stand alone unit on revised Purple Mash curriculum</b>	<i>Online Safety &amp; Digital Citizenship</i>	Technology should be used safely, responsibly and respectfully.	...we apply safe and responsible behaviours when using technology and the internet.