



Computing Curriculum Overview Year 2



Concepts	Safety	<p>Ask adults before sharing information about themselves online</p> <p>Know that people sometimes behave differently online</p> <p>Understand the interconnected nature of the internet and how sharing information can be a good thing, but must be done so with boundaries to keep us safe</p>	
	Creation	Combine media from multiple sources (within the classroom) to create a new piece of work digitally.	
	Coding	<p>Compose a simple set of instructions to complete a set task/purpose (algorithm).</p> <p>Understand when these instructions need to be altered or changed (debug).</p>	
Context	Children can effectively retrieve relevant, purposeful digital content using a search engine. They can apply their learning of effective searching beyond the classroom. They can share this knowledge, e.g. 2Publish example template. Children make links between technology they see around them, coding and multimedia work they do in school e.g. animations, interactive code and programs.		
Coding			
Knowledge / Skills	children are introduced to the concept of algorithms as sets of instructions for completing tasks. As they begin designing basic programs, they start to grasp the importance of precision in their algorithms to ensure successful translation into code.		
Vocabulary	Refer to linked separate vocabulary document		
Creating Media - Presenting Ideas			
Knowledge / Skills	Children can effectively retrieve relevant, purposeful digital content using a search engine. They can apply their learning of effective searching beyond the classroom. They can share this knowledge, e.g. 2Publish example template. Children make links between technology they see around them, coding and multimedia work they do in school e.g. animations, interactive code and programs.		
Vocabulary	Refer to linked separate vocabulary document		
Data and Information: Questioning			
Knowledge / Skills	Children demonstrate an ability to organise data using, for example, a database such as 2Investigate and can retrieve specific data for conducting simple searches. Children are able to edit more complex digital data such as music compositions within 2Sequence. Children are confident when creating, naming, saving and retrieving content. Children use a range of media in their digital content including photos, text and sound.		
Vocabulary	Refer to linked separate vocabulary document		
Online Safety			
Knowledge / Skills	Children know the implications of inappropriate online searches. Children begin to understand how things are shared electronically such as posting work to the Purple Mash display board. They develop an understanding of using email safely by using 2Respond activities on Purple Mash and know ways of reporting inappropriate behaviours and content to a trusted adult.		
Vocabulary	Refer to linked separate vocabulary document		
Skills application	Presenting Ideas - spoken word / speaking and listening Coding- mathematical reasoning		

	Questioning - science investigations PSHE - Online safety	
Recap	I.5 Coding and I.4 Coding I.8 Spreadsheets I.I Online Safety and Exploring Purple Mash	