



Computing Curriculum Overview Year 1



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	<p>Combine media from multiple sources (within the classroom) to create a new piece of work digitally.</p>	
	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	<p>Children understand what is meant by technology and can identify a variety of examples both in and out of school. They can make a distinction between objects that use modern technology and those that do not e.g. a microwave vs. a chair.</p>		
Coding			
Knowledge / Skills	<p>Children understand that an algorithm is a set of instructions used to solve a problem or achieve an objective. They know that an algorithm written for a computer is called a program.</p>		
Vocabulary	<p>Refer to linked separate vocabulary document</p>		
Creating Media - Animated story books			
Knowledge / Skills	<p>Children are able to sort, collate, edit and store simple digital content e.g. children can name, save and retrieve their work and follow simple instructions to access online resources, use Purple Mash 2Quiz example (sorting shapes), 2Code design mode (manipulating backgrounds) or using pictogram software such as 2Count.</p>		
Vocabulary	<p>Refer to linked separate vocabulary document</p>		
Data and Information: Questioning			
Knowledge / Skills	<p>Children can work out what is wrong with a simple algorithm when the steps are out of order, e.g. The Wrong Sandwich in Purple Mash and can write their own simple algorithm, e.g. Colouring in a Bird activity. Children know that an unexpected outcome is due to the code they have created and can make logical attempts to fix the code, e.g. Bubbles activity in 2Code.</p>		
Vocabulary	<p>Refer to linked separate vocabulary document</p>		
Online Safety			
Knowledge / Skills	<p>Children understand the importance of keeping information, such as their usernames and passwords, private and actively demonstrate this in lessons. Children take ownership of their work and save this in their own private space such as their My Work folder on Purple Mash.</p>		
Vocabulary	<p>Refer to linked separate vocabulary document</p>		
Skills application	<p>Coding- mathematical reasoning</p> <p>Animated story books - English narratives</p> <p>Questioning - science investigations</p> <p>PSHE - Online safety</p>		

Recap

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