

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Computing systems and networks	<ul> <li>Pupils should be taught to: <ul> <li>Uses ICT hardware to interact with age appropriate computer software</li> </ul> </li> <li>Develops digital literacy skills by being able to access, understand and interact with a range of technologies</li> <li>Can use the internet with adult supervision to find and retrieve information of interest to them</li> </ul>	<ul> <li>To use a keyboard to type my name.</li> <li>To use a mouse to click and drag</li> </ul>	-To identify common types of technology. -To explain how to	<ul> <li>Pupils should be taught to:</li> <li>-To recognise input and output devices.</li> <li>- To explore how digital devices can be connected.</li> <li>-To recognise the physical components of a network.</li> </ul>	<ul> <li>Understand the internet is a network of networks.</li> <li>Describe how content can be accessed and added on the WWW</li> </ul>	<ul> <li>To explain that systems are built using a number of parts.</li> <li>To make use of a web search to find specific information and compare results from different engines.</li> </ul>	<ul> <li>To identify that there are a variety of ways to communicate over the internet.</li> <li>To decide when I should and should not share info.</li> </ul>

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	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:	Pupils should be taught to:
Programming A	- Completes a simple program on electronic devices	<ul> <li>To explain what a given command will do.</li> <li>To combine forwards and backwards commands to create a sequence.</li> <li>To plan a simple program</li> </ul>	<ul> <li>To describe a series of instructions as a sequence.</li> <li>To plan an algorithm</li> <li>To debug the program</li> </ul>	<ul> <li>To identify commands have an outcome and a sequence of commands can have an order.</li> <li>To create a project from a task description.</li> </ul>	<ul> <li>To program a computer by typing commands.</li> <li>To create a program that uses count controlled loops.</li> </ul>	<ul> <li>To program a microcontroller to make an LED switch on.</li> <li>To use count control loops to control outputs.</li> <li>To test and debug my program.</li> <li>To write an algorithm that describes what my model will do.</li> </ul>	<ul> <li>To understand that a variable has a name and value and can hold names or numbers.</li> <li>To recognise the value of a variable can be changed and that its value can be used by a program.</li> <li>To test the code that I have written</li> <li>To use variables to extend.</li> </ul>

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Programming B	<ul> <li>Completes a simple program on electronic devices</li> </ul>	<ul> <li>To show that a series of commands can be joined together.</li> <li>To identify the effect of changing a value.</li> <li>To explain that each sprite has its own instructions.</li> <li>To use my algorithm to create a program.</li> </ul>	sequence of commands has a start and an outcome. - To create a program using my own design	move a sprite in four	-To develop a design which contains two or more loops. -To create and design a project that contains repetition.	<ul> <li>To design, create and evaluate a program which uses selection.</li> <li>To explain how selection is used in computer programs.</li> </ul>	<ul> <li>To find and fix bugs using a range of approaches.</li> <li>To use a variable in an "if, then, else" statement to select the flow of a program.</li> <li>To design an algorithm for my program.</li> </ul>

1	Computing Programme of Study Progression Map								
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Data information	Pupils should be taught to: - Completes a simple program on electronic devices -	<ul> <li>Pupils should be taught to:</li> <li>To label, count and group objects.</li> <li>To compare groups of objects.</li> <li>To answer questions about groups of objects</li> </ul>	<ul> <li>Pupils should be taught to:</li> <li>To count and compare objects using a tally chart.</li> <li>To enter data onto a computer and create a pictogram.</li> </ul>	<ul> <li>Pupils should be taught to:</li> <li>To create a branching database which includes yes/no answers.</li> <li>To understand how branching databases can be used in the Real World.</li> </ul>	<ul> <li>to:</li> <li>Use a digital device to collect data.</li> <li>Recognise how a computer belos</li> </ul>	<ul> <li>Pupils should be taught to:</li> <li>To order, sort and group data cards.</li> <li>To group information using a database.</li> <li>To explain what a field and a record is.</li> <li>To select an appropriate chart to show my findings and present these to a group.</li> </ul>	<ul> <li>Pupils should be taught to:</li> <li>To collect data and enter it onto a spreadsheet.</li> <li>To apply an appropriate format to a cell.</li> <li>To construct a formula and identify that changing inputs changes outputs.</li> <li>To create a formula.</li> <li>I can produce a chart and use it to show the answer to questions.</li> </ul>		
Creating media	create content such as a video recording, stories, and/or draw a picture on screen	<ul> <li>Pupils should be taught to: <ul> <li>To use a computer to write.</li> <li>I can use bold, italic and underline features.</li> <li>I can type using capital letters and the space key between words.</li> <li>To use the backspace key and "undo" to make changes.</li> </ul> </li> </ul>	<ul> <li>To experiment with sound using a computer.</li> <li>To create a musical pattern using a computer.</li> </ul>	Pupils should be taught to: - Recognise text and layout can be edited for different purposes. (font size, colour ,style) -To copy and paste images	To odit an imago using	spreadsheet	<ul> <li>Pupils should be taught to:</li> <li>To add, lift/lower and re-colour 3D objects in a project.</li> <li>To duplicate, group, rotate and re-size 3D shapes in a project.</li> <li>To show that placeholders can</li> </ul>		

## Computing Programme of Study Progression Map

		changing inputs changes outputs. - To create a formula.	produce holes in 3D objects.
		<ul> <li>I can produce a chart and use it to show the answer to questions.</li> </ul>	