

Year Group	Autumn Term		Spring Term-Online Safety/		Summer Term-Coding	
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS						
1	Animated Story Books Lego Builders	Spreadsheets	Online Safety Technology Outside School	Grouping and Sorting Pictograms	Maze Explorers	Year 1 Coding
Knowledge	<p>To introduce e-books and the 2Create a Story tool.</p> <ul style="list-style-type: none"> <li>To add animation to a story.</li> <li>To add sound to a story, including voice recording and music the children have composed.</li> <li>To work on a more complex story, including adding backgrounds and copying and pasting pages.</li> <li>To share e-books on a class display board.</li> </ul>	<p>To know what a spreadsheet program looks like.</p> <ul style="list-style-type: none"> <li>How to open 2Calculate in Purple Mash.</li> <li>How to enter data into spreadsheet cells.</li> <li>To use 2Calculate image tools to add clipart to cells.</li> <li>To use 2Calculate control tools: lock, move cell, speak and count.</li> </ul>	<p>To log in safely.</p> <ul style="list-style-type: none"> <li>To learn how to find saved work in the Online Work area and find teacher comments.</li> <li>To learn how to search Purple Mash to find resources.</li> <li>To become familiar with the icons and types of resources available in the Topics section.</li> <li>To start to add pictures and text to work.</li> <li>To explore the Tools and</li> </ul>	<p>To sort items using a range of criteria.</p> <ul style="list-style-type: none"> <li>To sort items on the computer using the 'Grouping' activities in Purple Mash.</li> </ul> <p>To understand that data can be represented in picture format.</p> <ul style="list-style-type: none"> <li>To contribute to a class pictogram.</li> <li>To use a pictogram to record the</li> </ul>	<p>To understand the functionality of the direction keys.</p> <ul style="list-style-type: none"> <li>To understand how to create and debug a set of instructions (algorithm).</li> <li>To use the additional direction keys as part of an algorithm.</li> <li>To understand how to change and extend the algorithm list.</li> <li>To create a longer algorithm for an activity.</li> </ul>	<p>To understand what coding means.</p> <ul style="list-style-type: none"> <li>To use design mode to set up a scene.</li> <li>To add characters.</li> <li>To use code blocks to make the character perform actions.</li> <li>To use collision detection.</li> <li>To save and share work.</li> <li>To know the save, print, open and new icon.</li> </ul>

	<p>2Create a Story <b>Key</b></p> <p>To compare the effects of adhering strictly to instructions to completing tasks without complete instructions.</p> <ul style="list-style-type: none"> <li>• To follow and create simple instructions on the computer.</li> <li>• To consider how the order of instructions affects the result.</li> </ul>		<p>Games section of Purple Mash.</p> <ul style="list-style-type: none"> <li>• To learn how to open, save and print.</li> <li>• To understand the importance of logging out.</li> </ul> <p>To walk around the local community and find examples of where technology is used.</p> <ul style="list-style-type: none"> <li>• To record examples of technology outside school.</li> </ul>	<p>results of an experiment.</p>	<ul style="list-style-type: none"> <li>• To set challenges for peers.</li> <li>• To access peer challenges set by the teacher as 2dos.</li> </ul> <p>2Go</p>	
2	<p>Effective searching</p> <p>Presenting ideas</p>	<p>Spreadsheets</p> <p>Making music</p>	<p>Online Safety</p>	<p>Questioning</p> <p>Creating pictures</p>	<p>Crash Course Year 1/ Year 2 Coding</p>	
	<p>To understand the terminology</p>	<p>To use 2Calculate image,lock, move</p>		<p>To learn about data handling</p>	<p>Understand what an algorithm is.</p>	

	<p>associated with searching.</p> <ul style="list-style-type: none"> <li>• To gain a better understanding of searching on the Internet.</li> <li>• To create a leaflet to help someone search for information on the Internet.</li> </ul>	<p>cell, speak and count tools to make a counting machine.</p> <ul style="list-style-type: none"> <li>• To learn how to copy and paste in 2Calculate.</li> <li>• To use the totalling tools.</li> <li>• To use a spreadsheet for money calculations.</li> <li>• To use the 2Calculate equals tool to check calculations.</li> <li>• To use 2Calculate to collect data and produce a graph.</li> </ul>		<p>tools that can give more information than pictograms.</p> <ul style="list-style-type: none"> <li>• To use yes/no questions to separate information.</li> <li>• To construct a binary tree to identify items.</li> <li>• To use 2Question (a binary tree database) to answer questions.</li> <li>• To use a database to answer more complex search questions.</li> <li>• To use the Search tool to find information.</li> </ul> <p>To learn the functions of the 2Paint a Picture tool.</p>	<ul style="list-style-type: none"> <li>• To design algorithms and then code them.</li> <li>• To compare different object types.</li> <li>• To use the repeat command.</li> <li>• To use the timer command.</li> <li>• To know what debugging is and debug programs.</li> </ul>
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3	Touch typing Simulations	Spreadsheets Graphing	Online Safety E mail	Branching database	Crash Course Year 2/Year 3 Coding
4	Effective Search Writing for different audiences	Spreadsheets Google Slides	Online Safety Hardware investigators	Animation and Logo	Crash Course Year 3/Year 4 Coding
5	Word-processing Game creator	Spreadsheets Databases	Online Safety 3D Modelling	Concept Maps	Crash Course Year 4/Year 5 Coding
6	Blogging Text adventures	Spreadsheets Quizzing	Online Safety (understanding binary-optional)	Networks	Crash Course Year 5/Year 6 Coding