

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Coverage Overview	<p><b>Digital Literacy</b> PM Unit 1.1: Online Safety &amp; Exploring Purple Mash (4)</p> <p><b>Information Technology</b> PM Unit 1.2: Grouping and Sorting (2) <b>Maths</b></p>	<p><b>Computer Science (Programming)</b></p> <p>Revisit – Beebots (1)</p> <p>PM Unit 1.4: Lego Builders (3)</p>	<p><b>Computer Science (Programming)</b></p> <p>PM Unit 1.5: Maze explorers (4)</p> <p><b>Digital Literacy - E-Safety</b></p> <p>Whole school focus. Ongoing / revisited in other terms.</p>	<p><b>Information Technology</b></p> <p>PM Unit 1.6: Animated Story books (5) <b>English / Arts</b></p>	<p><b>Computer Science (Programming) / Information Technology</b></p> <p>PM Unit 1.7 Coding (6)</p>	<p><b>Digital Literacy</b></p> <p>PM Unit 1.9: Technology Outside school (2)</p>
Core Knowledge & application	<p>I understand what is meant by 'technology' and can identify some examples in school or at home. (DL)</p> <p>I understand why I have to log-in to access a computer and can log in safely, using my password, with support. (DL/IT)</p> <p>I know why it is important to keep my password private. (DL)</p> <p>I know that I can save work in a set place so that I can retrieve it at a later stage. (IT)</p> <p>I can use the keyboard to type my name independently. (IT)</p> <p>I can sort items, both online and offline, using a range of criteria. (IT)</p>	<p>I know than an algorithm is a set of clear and precise instructions to solve a problem or achieve an aim. (CS)</p> <p>I know that an algorithm written for a computer or programable toy is called a 'program'. (CS)</p> <p>I know that correcting an error in an algorithm is called 'debugging'. (CS)</p> <p>I can program a floor robot to move in a planned way, inc forwards, backwards and turns. (CS)</p> <p>I know the instructions (algorithm) must be followed in order, to solve a problem or achieve an aim. (CS)</p> <p>NB: Unit 1.4 and 1.5 to be combined where</p>	<p>I know how to use the direction keys on a keyboard to move forwards, backwards, left and right. (CS)</p> <p>I can use / follow symbols to represent an instruction in the correct order, e.g. <math>\uparrow \rightarrow</math> for forward and turn right. (CS)</p> <p>I know how to create and follow simple algorithms to program the computer to do a given task. (CS)</p> <p>I can work out what is wrong with a simple algorithm and know I need to debug it to correct it. (CS)</p> <p><b>Digital Literacy - E-Safety:</b></p> <p>I know why it is important to be kind and polite, including when online and can talk about ways to do this / what I should do if someone is unkind to me. (DL)</p> <p>I know that some devices can connect users with other people, e.g. phones, internet, Xbox etc. (DL)</p> <p>I know that not everyone is who they say they are on the internet. (DL)</p> <p>I know to tell an adult when I see something unexpected or worrying online. (DL)</p> <p>I know what personal information is (e.g. name, age) and understand that I should not share this online. (DL)</p> <p>I can talk about some of the ways to keep safe online. (DL)</p>	<p>I know the difference between a traditional book and an e-book. (IT)</p> <p>I know what the space bar is and can use it to make spaces between words. (IT)</p> <p>I know how to add simple punctuation to my text, e.g. full stop. (IT)</p> <p>I can use the keyboard to type words and phrases. (IT)</p> <p>I can save my work in a designated space, with some support. (IT)</p> <p>I know how to open previously saved work, with some support. (IT)</p> <p>I know how to change the size and colour of the pen when using a paint program to create pictures. (IT)</p> <p>I can access the tools in a paint program to draw shapes and fill them with colour. (IT)</p> <p>I know how to change the background on my page. (IT)</p> <p>I know how to add an image or sound clip to my storybook. (IT)</p>	<p>I know how to create a simple algorithm. (CS)</p> <p>I know I need to debug my algorithm to make sure it works properly. (CS)</p> <p>I can create a program using code blocks. (CS)</p> <p>I can arrange code blocks to create a set of instructions. (CS)</p> <p>I can draw symbols to represent instructions. (CS)</p> <p>I know how to edit a scene by adding, deleting or moving objects. (IT)</p> <p>I know how to change the size of objects. (IT)</p>	<p>I can explain what is meant by 'technology' and know some of the ways that it is used in our lives, in and out of school. (DL)</p> <p>I understand and can talk about some of the ways technology makes our lives easier. (DL)</p>

	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2
Critical Vocab	Log in	Folder	Program	Sequence	Internet	Program	Traditional book	Font	Program	Execute	Technology
	Password	Avatar	Algorithm	Symbol	Online	Algorithm	e-book	Size	Algorithm	Run	Devices
	Private	Image	Instructions	Arrows	Communication	Instructions	Space bar	Style	Instructions	Code	
	Save	Sort	Clear	Directional vocabulary	Cyberbullying	Clear	Keys	Appearance	Clear	Code blocks	
	Safety	Criteria	Order	Error	Personal Information	Precise	Type	Image	Precise	Error	
	Retrieve	Grouping		Debug /Fix	Permission	In order	Save	Sound clip	In order	Debug	
					Log-in / Password	Sequence	Open / retrieve		Sequence		
					Right	Arrows	Folder				
					Privacy	Directions	Paint program				
					Devices	Keys	Tools				
						Error					
						Debug					
						Correct					
Enrichment Opportunities	Sorting plants / minibeasts		Challenge the children to move BeeBot around the garden.  Purple Mash Festive Card Design competition		E-Safety day / week (Feb)		Time travelling adventure stories				
Assessment Focus											
Assessing Impact	Login independently and open Purple Mash and use search bar to find resources.  Can apply sorting skill within Purple Mash using the range of sorting activities with more than one criterion.				Create a set of written instructions for other children to follow using the 'coders and robot' game  Use the 'list' feature in 2Go to generate an algorithm to solve a given problem.  <b>Digital Literacy - E-Safety:</b> Discussions with pupils E-safety quiz		Use the 'My Story' aspect of 2Create a Story to create an interactive story.		Design a program that controls the look and the actions of objects using 2Code.		Can you give some examples of how where technology is used and how this helps our lives?