

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Coverage Overview	<p>Computer Science (Programming) PM Year 2 Coding Units</p> <p>Digital Literacy Online Safety (taught through recap sessions on logging on etc and though coding topic).</p>	<p>Information Technology (IT) Word Document – Create a factsheet on Word.</p> <p>Digital Literacy Online Safety when using a search engine.</p>	<p>Digital Literacy - E-Safety Whole school focus. Ongoing / revisited in other terms.</p>	<p>Information Technology: PowerPoint – Presentation.</p> <p><i>Linked PM units (selected parts to support above):</i> IT / DL - <u>PM Unit 2.5</u>: Effective Searching; IT - <u>PM Unit 2.8</u>: Presenting Ideas</p>	<p>Information Technology <u>Paint Program – Treasure Island</u></p>	<p>Computer Science (Programming) PM Year 2 Coding Units, followed by...</p> <p>If appropriate: Begin to explore different stages and elements of 'Scratch'. (used at RMJ)</p>
Core Knowledge + Application	<p>I understand what is meant by 'technology' and can identify a variety of examples in and out of school. (DL)</p> <p>I know it is important to log-in to shared computers and can log-in to a Chrome book safely and with increasing independence. (IT/DL)</p> <p>I know why it is important to be kind and polite, including when online (DL)</p> <p>I know that we must be careful when online because not everyone is who they say they are. (DL)</p> <p>I know what an algorithm is and can explain this to another person. (CS)</p> <p>I can create a simple algorithm for a specific purpose and know that the sequence of instructions must be clear, precise and unambiguous. (CS)</p> <p>I know what debugging is and how to do this on a simple program. (CS)</p>	<p>I can log-in to a Chrome books safely and independently. (IT)</p> <p>I can use the keyboard to type words and sentences and use the space bar, shift key for capital letters and full stop keys correctly. (IT)</p> <p>I know how to change the size and colour of the font to improve the appearance of my text. (IT)</p> <p>I can insert an image to my document, with some support. (IT)</p> <p>I know how to save my work to a designated space and can retrieve it at a later stage with some support. (IT)</p> <p>I know that a search engine can be used to find information, including images, about a given topic. (IT)</p> <p>I understand I must be responsible and sensible when using the internet to research about a given topic. (DL/IT)</p> <p>I know to tell an adult if I see something unexpected or worrying online. (DL)</p>	<p>I know that some devices can connect users with other people, e.g. phones, internet, Xbox etc., and know that things can be shared electronically. (DL)</p> <p>I know it is important to log-in to shared computers and can explain why to another person. (DL)</p> <p>I know that not everyone is who they say they are on the internet. (DL)</p> <p>I know what personal information is and can explain why I should not share this online. (DL)</p> <p>I know to tell an adult when I see something unexpected or worrying online. (DL)</p> <p>I know what a digital footprint is and can explain this to another person. (DL)</p>	<p>I know that PowerPoint is a way of displaying and sharing information and can create a simple presentation on to show information about a topic I have researched. (IT)</p> <p>I know that inputting instructions into a computer can make different things happen on the screen within our PowerPoint presentation. (IT/CS)</p> <p>I know that I only need to type in key words to get the information, when using a search engine. (IT)</p> <p>I know that I can change and improve the appearance of my presentation, e.g. changing the font and by adding images. (IT)</p> <p>I know how to change the background can experiment and use some of the other tools in PowerPoint. (IT)</p> <p>I know how to use the shift key to create a question mark / exclamation mark. (IT)</p> <p>I know how to add images + animations (where relevant) into my presentation. (IT)</p> <p>I know how to save my work to a designated space and retrieve it at a later stage. (IT)</p>	<p>I know that I can use the tools section to change the appearance and form of the shapes and lines I draw. (IT)</p> <p>I know how to access a Paint Program (through Purple Mash). (IT)</p> <p>I know how to use the tools to change the form of the shapes and lines. (IT)</p> <p>I can use the mouse with increasing control to develop detail in my picture. (IT)</p> <p>I know how to save my work to a designated space and retrieve it at a later stage. (IT)</p>	<p>I know what algorithms are and that programs execute by following precise and unambiguous instructions. (CS)</p> <p>I know how to use numbers, as well as symbols, to specify movements, e.g. forward 4 rather than ↑↑↑↑. (CS)</p> <p>I can use logical reasoning to predict the behaviour of simple programs. (CS)</p> <p>I can identify and correct / debug some errors in a program. (CS)</p>

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Critical Vocab	Algorithm	Log-in	Microsoft Word	Font / Text	Internet	Log-in	Research	Paint Program	See Aut 1, plus:	
	Program	Username	Search engine	Space bar	Online	PowerPoint	Search engine	2Paint	Scratch Junior	
	Code	Password	Images	Shift key	Communication	Presentation	Key words	Tools	Block code	
	Sequence	Private	Information	Full- stop key	Cyberbullying	Text	Information	Shape	Numerical	
	Precise	Online	Research	Tools / Icon	Personal Information	Images	Research	Lines	Symbol	
	Debug	E-Safety	Responsible	Appearance	Permission	Sound	Responsible	Background	Execute	
	Error			Size / Colour	Digital Footprint	Insert	Save	Detail	Run	
	Input				Log-in / Password	Slide	Open / Retrieve	Insert	Unambiguous	
	Output				Right	Background	Folder	Save	Predict	
	Repetition				Privacy	Space bar	Appearance	Open / Retrieve	Logical thinking	
	Predict				Devices	Shift Key	Font			
						? / ! keys				
Enrichment Opps	Debug challenges on Purple Mash		History – create a factsheet about a significant person.		E-Safety day / week (Feb)		Homework activity: PowerPoint presentation about themselves / pet etc.		Scenes of your favourite places – 2Do Homework task	
Assessment Focus										
Assessing Impact	Coding vocabulary quiz. Complete a set task on Purple Mash coding game – teacher observe.		Create word document fact page on a 'Great Person that changed the world' (History link). Practical quiz – children showing what keys/tabs to press/click in response to teacher.		Online safety quiz. Response to safety scenarios. Discussion with pupils. Questioning: TBC		Create a PowerPoint presentation on 'Habitats' (science link). True or false quiz based on typing/PowerPoint skills.		Coding vocabulary quiz – more in depth. Complete a set task on PurpleMash /Scratch Junior coding game – teacher observe.	