		Whole Sch	nool Computin	a Lona Term	Plan			
	Information Technology: Use technology purposefully to create, organise, store, manipulate and retrieve digital content Digital Literacy: Use technology safely and respectfully, keeping personal information private: identify where to for help and support Computer Science: Understand what algorithms are; how they are implemented as programs on digital devices Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs							
	 Most units will contain elements of all strands ESafety is key and should be incorporated into each of the modules ESafety is also covered within the PSHE curriculum 							
EYFS	Through continuous provision and other lessons children in the EYFS are exposed to a variety of technology. They have access to Beebots, iPads, Laptops, Computers and Interactive Whiteboards.							
KS1	Autumn		Spring		Summer			
Α	Computing	Digital painting	ESafety Day	Grouping data –	Digital writing	*RodoCodo*		
	Systems Recognising technology in school and using it responsibly.	Choosing appropriate tools in a program to create art, and making comparisons with working nondigitally	Moving a robot Writing short algorithms and programs for floor robots, and predicting program outcomes. (Beebots)	branch models Exploring object labels, then using them to sort and group objects by properties.	Using a computer to create and format text, before comparing to writing non- digitally.			
В	Computing	Digital	ESafety Day	Electronic	Robot	*RodoCodo*		
	Systems Identifying IT and how its responsible use improves our world in school and beyond.	photography Capturing and changing digital photographs for different purposes.	Stop animation Create a sequence of images to form a short animation	communication Looking at different forms of communication Sending and receiving emails safely	algorithms Creating and debugging programs, and using logical reasoning to make predictions.			
				(School email)	(Beebots)			

• RodoCodo – Teachers can choose to break-up RodoCodo's 6 units and teach them throughout the year alongside other units if it fits in with the objectives.

(Stop motion studio)

LKS2	Auti	Autumn Spring		ng	Summer	
Α	Lights, Camera, Action War & Remembrance		Poles Apart The Americas		The Olympics Romans	
	Computing Systems	Sequencing Sounds	ESafety Day	Desktop Publishing	Movie Maker	*RodoCodo*
	Identifying that digital devices have inputs, processes, and outputs, and how devices can be connected to make networks	Creating sequences in a block-based programming language to make music.	Data Handling Building and using branching databases to group objects using yes/no questions.	Creating documents by modifying text, images, and page layouts for a specified purpose.	Using pictures and a green screen to create a news report/ trailer/ advert	
В	Earth & Beyond The Ancients		Material Ages Mountain & Rivers		Invaders British History	
	Computing Systems	*RodoCodo*	ESafety Day	Presentation skills	Audio production	Repetition in Games
	Recognising the internet as a network of networks including the WWW, and why we should evaluate online content.		Photo Editing Manipulating digital images, and reflecting on the impact of changes and whether the required purpose is fulfilled.	Collaborate by sharing a document to create a presentation, inserting images, and text layouts	Capturing and editing audio to produce a podcast, ensuring that copyright is considered	Using a block- based programming language to explore count- controlled and infinite loops when creating a game

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UKS 2	Autı	Autumn		ng	Summer	
A	Lights, Camera, Action War & Remembrance		Poles Apart The Americas		The Olympics Romans	
	Systems and searching Recognising IT	*RodoCodo*	ESafety Day Video production	Presentation skills	Vector drawing Creating images	Robot algorithms
	systems around us and how they allow us to search the internet.		Planning, capturing, and editing video to produce a short film	Collaborating by sharing a document,	in a drawing program by using layers and groups	Lego WeDo
				focussing on hyperlinks, sounds and images	of objects.	(D&T links)
В	Earth & Beyond The Ancients		Material Ages Mountain & Rivers		Invaders British History	
	Communication and collaboration	*RodoCodo*	ESafety Day	Introduction to spreadsheets	Webpage creation	Sensing designing and
	Identifying and exploring how data is transferred and information is shared online.		Flat-file databases Using a database to order data and create charts to answer questions.	Answering questions by using spreadsheets to organise and calculate data	Designing and creating webpages, giving consideration to copyright, aesthetics, and navigation	coding a project that captures inputs from a physical device. Lego WeDo

[•] RodoCodo – Teachers can choose to break-up RodoCodo's 7 units and teach them throughout the year alongside other units if it fits in with the objectives.