



	Early Years	Year 1	Year 2	Year 3	
Computer	Use technology to	By the end of key stage 1:		Children begin to edit	
Science	solve problems and produce creative outcomes, such as creating pictures	reative devices; and that programs execute by following precise and unambiguous instructions		ideas and work using tools, demonstrating control on different devices and use of keyboard shortcuts, such	
	Develop computational thinking through undertaking projects and exploring technology in conjunction with other activities, for example photos of learning, role play Explore using the	Key vocabu Keyboard, mouse, lens, microphone, printer, light, scales, barcodes, check, predict, algorithm, debuggi interface, backg By the end of Year 1: Write short algorithms and programs	<pre>lict the behaviour of simple programs lary and phrases: , GPS sensor, headphones, monitor screen, scan, control, sequence, commands, clear, ng. Event, execute, object, testing, user round. Player, buttons, By the end of Year 2: Create and debug programs, and use logical</pre>	as CTRL + C and CTRL + V Children can insert a picture into own work Children to use software to capture images and further edit sounds, including volume, duration	
		for floor robots, and predicting programs outcomes Design and program the movement of a character on screen to tell stories	reasoning to make predictions Design algorithms and programs that use events to trigger sequences of code to make an interactive quiz	and pauses Children to begin recording film and plan animation	
Information Technology	mouse to create Explore moving BeeBots e-books Watching video	Use technology purposefully to create digi Key vo Shift, backspace, return/enter, spa style, flashing cursor, auto-wrap, capture button, perm	d of key stage 1: e, organise, store, manipulate, and retrieve tal content cabulary and phrases: acebar, characters, emojis, document, font multimedia, undo, painting tools, focus, ission, landscape, portrait	Children can begin to explain how we communicate with each other online Children can begin to explain how the internet is made of websites, finding their favourites and start to use efficient searching using safe search websites Children to use logic to solve problems by breaking it down into smaller parts Children use programming to create instructions, use commands, predict, test, debug and use variations Children will begin to reflect on their own 'digital footprint' and	
	Watching video clips and listening to music (adult led) Working on the IWB, using educational website games and ActivInspire to create pictures	<pre>By the end of Year 1: Recognise technology in school and use it responsibly Write short algorithms and programs for floor robots, and predicting programs outcomes Choose appropriate tools in a program to create art, and making comparisons with working non- digitally Explore object labels, then use them to sort and group objects by properties</pre>	<pre>By the end of Year 2: Identify IT and how its responsible use improves our world in school and beyond Capture and change digital photographs for different purposes Collect data in tally charts and use attributes to organise and present data on a computer Use a computer as a tool to explore rhythms and melodies, before creating a musical composition Design algorithms and programs that use events to trigger sequences of code to make an interactive quiz</pre>		

	Use a computer to create and format text, before comparing to writing non-digitally	discuss strategies to stay safe, in regards, to pictures, sharing information and passwords
Digital	By the end of key stage 1:	-
Literacy	Recognise common uses of technology beyond school	Children to continue developing understanding
	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content	of when to seek help when worried
	or contact on the internet or other online technologies	
	Key vocabulary and phrases:	Children can discuss how
	Back button, tabs, refresh/reload, history, navigate, menu, index, search, search engine, results,	data can be organised and sorted
	By the end of Year 1: By the end of Year 2:	Children can use pre-made
	Explore object labels, then use them Capture and change digital photographs for to sort and group objects by properties	data to answer questions
	Collect data in tally charts and use	
	Use a computer to create and format attributes to organise and present data on text, before comparing to writing a computer	
	non-digitally	