

Computing Long Term Plan Information Technology Digital Literacy Computer Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Rec	Taking a photo on the iPad linked to topic PC games linked to learning across the curriculum Listening corner Battery operated toys (till, vehicles) Playing interactive games on Interactive White Board		Taking a photo on the iPad linked to topic Using a mouse with increased control Listening corner Bee Bots Playing interactive games on the Interactive White Board Voice recording buttons		Use the camera on an iPad to distort an image (APP) Take videos on the iPad Use a mouse with increased control. Listening corner Bee Bots Typing first name on keyboard Playing interactive games on the Interactive White Board	
Year 1	Technology Around Us Recognising technology in	Digital painting Choosing appropriate tools in a	Moving a robot Writing short algorithms and	Grouping data Exploring object labels, then	Digital writing Using a computer to create	Programming animations Designing and programming
_	school and using it	program to create art, and making	programs for floor robots,	using them to sort and group	and format text, before	the movement of a character
	responsibly	comparisons with working non-	and predicting program	objects by properties	comparing to writing non-	on screen to tell stories.
		digitally	outcomes.	, , , , , , , , , , , , , , , , , , ,	digitally	
Year	Information technology	Digital photography	Robot algorithms	Pictograms	Making music	Programming quizzes
2	around us	Capturing and changing digital	Creating and debugging	Collecting data in tally charts	Using a computer as a tool	Designing algorithms and
	Identifying IT and how its	photographs for different	programs, and using logical	and using attributes to organise	to explore rhythms and	programs that use events to
	responsible use improves	purposes	reasoning to make	and present data on a computer.	melodies, before creating a	trigger sequences of code to
	our world in school and		predictions.		musical composition.	make an interactive quiz
	beyond.					
Year	Virtual Learning	Presenting words and pictures	Sequential Programming	Searching	Animation	Pattern Making
3	Environment	Using advanced features of WORD	Introduction to Scratch and	Searching for information about	Creating animation	Writing algorithms to create
	Using the VLE to learn about	and PowerPoint to create rich	creating algorithms using a	a topic using key words. Reliable	characters, stop frame	repeating patterns and
	internet communication	media	sequence of commands	and unreliable information and	animations and	reacting to mouse
Vasu	technologies	Multi-media	Buo avenuei e a	online Safety	programming animations	movement
Year 4	Internet Technologies		Programming Following a set of	Internet Technologies	Spreadsheets Creating spreadsheets with	Programming Creating programs using the
4	Communicating to a wider audience on the VLE. Self-	Graphically rich documents and presentations for a specific	instructions, testing and	How the internet works, global communication, finding facts and	Creating spreadsheets with formulae and producing	Creating programs using the concepts of Selection and
	directed learning and Google	audience	debugging. Introduction to	how to keep personal	graphics from the	Repetition
	maps	adulence	variables	information safe online	information	кереппоп
Year	Search	Graphics/Hyperlinks	Programming	Internet Conduct	IT for Purpose	Design and Programming
5	How search engines work	Text boxes as graphics in Word.	Creating a program based on	Email for collaboration,	Rules of graphic design,	Design and programming to
	and rank results. Efficient	Hyperlinks in PowerPoint to tell a	mathematical rules. Using	researching a topic, how to	photo montage, databases	a given level of detail.
	searches for specific types of	story	broadcasting to communicate	behave safely on the internet –	p to the stage,	Planning, developing and
	information		between sprites	conduct, contact, content,		testing a game.
				commerce		
Year	Analyse and Collaborate	Mixed Media	Decomposition	Computer Systems	Graphics	Web Development
6	Analysing search results to	Using a number of templates and	Music and data lists in	Identifying components of	Using tools to create and	Creating web pages using
	get the best answer.	apps to create a document such as	Scratch.	computer systems and how they	alter graphics	HTML, XML and JavaScript
	Collaborating on a research	Word, Paint and PowerPoint	Decomposing an existing	work together. Research		
	project for a debate		program and re-writing it to a	keywords. E-safety and social		
			higher standard	media		