



Long term planning overview – Computing

Caring, Learning, Growing.



Computer Science is covered within discreet Computing lessons, whilst Information Technology and Digital Literacy will be covered through wider-curriculum areas throughout the years, where appropriate.

NOTE: The order for teaching units of work is subject to change as class teachers can make cross-curricular links between Computing and other Curriculum areas.

		Autumn Term (Computer Science)	Spring Term (Computer Science)	Summer Term (Computer Science)	Information Technology and Digital Literacy aspects to be covered Cross-Curricular as and when appropriate	
EYFS		<p>Computing is taught in the Early Years as part of 'Understanding of the world'- Technology. Children are given opportunities to operate simple equipment such as; torches, cd players, stopwatches, sound buttons and construction kits. Fostering a child-led curriculum allows form technology to be introduced based on children's individual interests. Within the Early Years environment, children have access to Beebots, iPad and games/activities on the SMART board. They also visit the computing suite to interact with age-appropriate software and complete a simple program. Children are taught how technology can be used in everyday life; at home, in school and the world around us. They are encouraged to investigate how things work and why things happen.</p>				
					Information Tech	Digital Literacy
Yr 1	eSafety – Staying Safe Online	Walking with Dinosaurs – Daisy the Dinosaur	Crazy Creatures - Beebots		<ul style="list-style-type: none"> • Pictures Tell a Thousand Words - taking photos • Young Investigators - web research 	
Yr 2		Code-tastic – Coding App	Super Sci-Fi – Programming a Space Game	Whatever the Weather – Data Handling	<ul style="list-style-type: none"> • Young Authors (E-Book) 	
Yr 3		My First Program – Using Scratch	Data – 2Investigate	Sphero – Directional Language and Programming	<ul style="list-style-type: none"> • Create an E-book (fit in well with comic unit in English) 	
Yr 4		We Built This City – Build a 3d world	Making Games – Scratch	Build a Basic Webpage - Kompozer	<ul style="list-style-type: none"> • Create a short movie • Data – Branching Databases 	
Yr 5		Develop a program - Kodu	Sphero – Directional Language and Programming	Introduction to QR Codes – Creating Digital Artefacts	<ul style="list-style-type: none"> • Create own news report • Data – Excel 	
Yr 6		Let's Learn a Language – Writing Lines of Code (Python)	Create a short movie	Stocks and Shares – Analysing Data		