

The Early Years Curriculum is taught through seven areas of learning: Communication and Language, Physical Development, Personal, Social and Emotional Development, Literacy, Maths, Understanding the World and Expressive Arts and Design. Computing and Digital Literacy is taught within the appropriate areas where links can be made. Our curriculum is designed to be ambitious, yet also flexible and responsive to the specific cohort's needs and interests.

In the EYFS, children are introduced to technology through using the Interactive Whiteboard to teach, playing age-appropriate games linked to the curriculum on the board with supervision. Parents are asked about what technology is available to the children in the home through questionnaires and this information is used to inform planning, incorporating suitable games they are already familiar with. This encourages smoother transitions from home to school and staff are able to extend children's learning through already familiar apps and games, as well as others.

Children have the opportunity to explore technology in the classroom and learn about its wider uses in their lives. We encourage the use of Tapestry by parents as an important tool for sharing information and use the children's voice as much as possible in the observations we post. Children are able to to incorporate items from real life in their imaginative play, such as phones, keyboards, remote controls and other suitable items.

Parents are also included in the distribution of E-Safety newsletters and invited to Parent workshops on E-Safety when available. Staff talk about E-Safety using 'in the moment' opportunities such as when using a search engine to find information online, talking about the need for supervision when using the internet and who to talk to if children see something they don't like online

In order to prepare children for their next stage of learning, children in the Foundation Stage will be taught:

To follow simple two-step instructions, e.g. "Hang up your coat and then sit on the carpet"

To know that information can be received from digital devices and the internet

To use an iPad to take a photo

To use technology in everyday life. operating simple equipment, cd player, remote control, iPad, touch screen device, game console, qwerty keyboard

To have an understanding of which words to use to retrieve information/photo online (dictating and/or typing)

To use technology safely and respectfully.

To understand the need to stay safe online and when using technology



	Key Stage One							
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
	Computing Systems and	Creating Media- Digital Painting	Programming A- Moving a	Data and information –	Creating Media- Digital Writing	Programming B-		
	Networks-	1 How can we paint	Robot	Grouping data	1 Exploring the	Programming		
	Technology	using computers?	1 Buttons	1 Label and match	keyboard	Animations		
	Around Us	2 Using shape and	2 Directions	2 Group and count	2 Adding and	1 Comparing tools		
	1 Technology	lines	3 Forwards and	3 Describe an object	removing text	2 Joining blocks		
	around us	3 Making careful	backwards	4 Making different	3 Exploring the	3 Make a change		
Ξ	2 Using technology	choices	4 Four directions	groups	toolbar	4 Adding sprites		
Year 1	3 Developing mouse	4 Why did I choose	5 Getting there	5 Comparing groups	4 Making changes	5 Project design		
	skills	that?	6 Routes	6 Answering	to text	6 Following my		
	4 Using a computer	5 Painting all by		questions	5 Explaining my	design		
	keyboard	myself			choices			
	5 Developing	6 Comparing			6 Pencil or			
	keyboard skills	computer art and			keyboard?			
	6 Using a computer	painting						
	responsibly							
	Computing	Creating Media-	Programming	Data and	Creating Media-	Programming		
	System-	Digital	A- Robot	information-	Digital Music	B-		
	Information	Photography	Algorithms	Pictograms	1 How music makes	Programming		
Year 2	Technology	1 Taking	1 Giving instructions	1 Counting and	us feel	Quizzes		
	Around Us	photographs	2 Same but different	comparing	2 Rhythms and	1 ScratchJr recap		
	1 What is IT?	2 Landscape or	3 Making	2 Enter the data	patterns	2 Outcomes		
	2 IT in school 3 IT in the world	portrait? 3 What makes a	predictions 4 Mats and routes	3 Creating	3 How music can be	3 Using a design		
	4 The benefits of IT			pictograms 4 What is an	used 4 Notes and tempo	4 Changing a		
	5 Using IT safely	good photograph? 4 Lighting	5 Algorithm design 6 Break it down	attribute?	5 Creating digital	design 5 Designing and		
	6 Using IT in	5 Effects	O DIGAN IL GOWII	5 Comparing people	music	creating a program		
	different ways	6 Is it real?		6 Presenting	6 Reviewing and	6 Evaluating		
	different ways	o is it ical:		information	editing music	o Evaluating		
				IIIOIIIIatioii	culting music			



	Computing	Creating Media-	Programming	Data and	Creating Media-	Programming
	Systems and	Stop Frame	A- Sequencing	Information-	Desktop	B- Events and
	Networks-	Animation	Sounds	Branching	Publishing	Actions in
	Connecting	1 Can a picture	1 Introduction to	Databases	1 Words and	Programs
	Computers	move?	Scratch	1 Yes or no	pictures	1 Moving a sprite
	1 How does a digital	2 Frame by frame	2 Programming	questions	2 Can you edit it?	2 Maze movement
	device work?	3 What's the story?	sprites	2 Making groups	3 Great template!	3 Drawing lines
Year 3	2 What parts make up	4 Picture perfect	3 Sequences	3 Creating a	4 Can you add	4 Adding features
ea	a digital device?	5 Evaluate and	4 Ordering	branching database	content? 5 Lay it out	5 Debugging
>	3 How do digital	make it great!	commands	4 Structuring a	6 Why desktop	movement 6 Making
	devices help us?	6 Lights, camera,	5 Looking good	branching database	publishing?	a project
	4 How am I	action!	6 Making an	5 Planning a	p diametining :	s. p. sjest
	connected?	3.51.51.11	instrument	branching database		
	5 How are computers connected?			6 Making a dinosaur		
	6 What does our			identifier		
	school network look					
	like?					
	Computing	Crating Media-	Programming A-	Data and	Creating Media-	Programming
	Systems and	Audio	Repetition in	Information-	Photo Editing	B- Repetition in
	Networks -The	Production	Shapes	Data Logging	1 Changing digital	Games
	Internet	1 Recording sound	1 Programming a	1 Answering	images	1 Using loops to
	1 Connecting	2 Editing audio	screen turtle	questions	2 Recolouring	create shapes
	networks	3 Planning a	2 Programming	2 Data collection	3 Cloning	2 Different loops
Year 4	2 What is the	podcast	letters	3 Logging	4 Combining	3 Animate your
ea	internet made of?	4.Creating a	3 Patterns and	4 Analysing data	5 Creating	name
>	3 Sharing	podcast	repeats	5 Data for answers	6 Evaluating	4 Modifying a game
	information	5 Combining audio	4 Using loops to	6 Answering my		5 Designing a game
	4 What is a	6 Evaluating	create shapes	question		6 Creating your
	website?	podcasts	5 Breaking things			games
	5 Who owns the		down			
			0.0			
	web?		6 Creating a			
			6 Creating a program			



In **Upper Key Stage 2**, Years 5 and 6, Computing is taught on a 2 year cycle in half-termly rotations with Music. For instance, in Spring 1 (Jan 2024) children will have a term of Music, with a 1 hour lesson and in Spring 2 (after Feb half term 2024) they will do a Computing 1 hour lesson in the same slot and carry this on for summer term. From Sept 2025 the curriculum will be taught as follows:

	Cycle A						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Year 5	Data and information – Flat- file databases 1 Creating a paper- based database 2 Computer databases 3 Using a database 4 Using search tools 5 Comparing data visually	Music	Creating media – Introduction to vector graphics 1 The drawing tools 2 Creating images 3 Making effective drawings 4 Layers and objects 5 Manipulating objects 6 Create a vector drawing	Music	Programming B – Selection in Quizzes 1 Exploring conditions 2 Selecting outcomes 3 Asking questions 4 Designing a quiz 5 Testing a quiz 6 Evaluating a quiz	Music	
Year 6	Data and information - Introduction to Spreadsheets 1 Collecting data 2 Formatting a spreadsheet 3 What's the formula? 4 Calculate and duplicate 5 Event planning 6 Presenting data	Music	Creating media – 3D Modelling 1 Introduction to 3D modelling 2 Modifying 3D objects 3 Make your own name badge 4 Making a desk tidy 5 Planning a 3D model 6 Make your own 3D model	Music	Programming B - Sensing movement 1 The micro:bit 2 Go with the flow 3 Sensing inputs 4 Finding your way 5 Designing a step counter 6 Making a step counter	Music	



	Cycle B						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
	Computing	Music	Creating Media-	Music	Programming A-	Music	
	Systems and		Video		Selection in		
	Networks:		Production		Physical		
	Systems and		1 What is video?		Computing		
	Searching		2 Filming		1 Connecting		
10	1 Systems		techniques		Crumbles		
Year 5	2 Computer		3 Using a		2 Combining output		
(es	systems and us		storyboard		components		
	3 Searching the web		4 Planning a video		3 Controlling with		
	4 Selecting search		5 Importing and		conditions		
	results		editing video		4 Starting with		
	5 How search		6 Video evaluation		selection		
	results are				5 Drawing designs		
	ranked				6 Writing and testing		
					algorithms		
	Computing	Music	Creating media –	Music	Programming A	Music	
	systems and		Web page creation		Variables in		
	networks -		1 What makes a		Games		
	Communication		good website?		1 Introducing		
	and		2 How would you		variables		
မှ	collaboration		lay out your web		2 Variables in		
Year 6	1 Internet addresses		page?		programming		
	2 Data packets		3 Copyright or		3 Improving a game		
	3 Working together		copyWRONG?		4 Designing a game		
	4 Shared working		4 How does it look?		5 Design to code		
	5 How we		5 Follow the		6 Improving and		
	communicate 6		breadcrumbs		sharing		
	Communicating		6 Think before you				
	responsibly		link!				