

Computing Overview – St Mary’s Primary School 2023-24

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Early Years	Online Safety/ Digital Literacy/ Computer Science – lessons taken from Purple Mash to fit in with cross curricular links Reception are teaching at the time.					
Year 1	Online Safety	Data (Exploring Pictograms)	Programming (Coding - following instructions)	Media (Animated Stories)	Programming (Coding - block coding)	Online Safety
Year 2	Programming (Coding – introduction to more variables and debugging)	Online Safety	Data (Pictograms Binary trees)	Networks (Effective searching)	Media (Digital painting – creating pictures)	Online Safety
Year 3	Online Safety	Programming (Exploring different variables and debugging)	Touch Typing (Digital writing)	Networks (Communication – emails)	Data (Databases)	Online Safety
Year 4	Programming (Exploring and mastering coding skills)	Online Safety	Digital Writing (Writing for different audiences)	Media (Logo and Animation)	Networks (Effective searching and hardware)	Online Safety

Use logical reasoning to predict the behaviour of simple programs												
Use technology purposefully to create, organise, store, manipulate and retrieve digital content												
Recognise common uses of information technology beyond school												
Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.												

Key Stage 2 National Curriculum Computing	YEAR 3	YEAR 4
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Key Stage 2 National Curriculum Computing	YEAR 5						YEAR 6					
	Programming	Online Safety and Data	Data	Media	Media	Logic	Programming	Online Safety and Data	Sharing information	Networks	Logic	Digital Systems
Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts												
Use sequence, selection, and repetition in programs; work with variables and various forms of input and output												
Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs												
Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration												
Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content												
Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information												

Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.													
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