



Curriculum Coverage – Computing

		Year 1			Year 2			Year 3			Year 4			Year 5			Year 6		
National Curriculum Objective		A	Sp	Su	A	Sp	Su	A	Sp	Su	A	Sp	Su	A	Sp	Su	A	Sp	Su
KS1	understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions		■	■		■													
	create and debug simple programs		■	■		■													
	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.	■			■														
KS2	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.							■			■			■			■		

