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The national curriculum for computing aims to ensure that all pupils: can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems are responsible, competent, confident and creative users of information and communication technology. Objectives - KS1	Year 1 Technology Around Us	Year 1 Moving a Robot	Year 1 Programming Animations	Year 2 Information Technology Around Us	Year 2 Robot Algorithms	Year 2 Digital Photography
 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. 	✓		✓	✓		✓

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Com	puting (Cov	erage

use search technologies effectively, appreciate how results are selected and

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

acceptable/unacceptable behaviour; identify a range of ways to report concerns

ranked, and be discerning in evaluating digital content

use technology safely, respectfully and responsibly; recognise

presenting data and information

about content and contact



Computing Coverage	Sus				Ŋ		u	ıl Comp		ation		
The national curriculum for computing aims to ensure that all pupils: can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation	Computers	Sounds	lishing	+	ı Shape	6	Information	Physico	6	Communication	Creation	Games
 can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems 	Connecting (Sequencing	Desktop Publishing	The Internet	Repetition in	o Editing	ing Info	Selection in Physical	o Editing		Webpage Cr	Variables in
 can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems are responsible, competent, confident and creative users of information and communication technology. 	3 Conn	m	က	4	4	4 Audio	5 Sharing	Ŋ	5 Video	6 Internet	9	9
Objectives - KS2	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year	Year
 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												