CURRICULUM OVERVIEW FOR COMPUTING

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	Reception/Year 1	Year 1/2	Year 3/4	Year 4/5	Year 5/6		
Autumn Term	Select and use technology	Know where to go for help	Use technology safely and respectfully, keeping personal information private.				
	safely for particular	and support when they have	Recognise acceptable/	Recognise acceptable/	Identify a range of ways		
<u>E-Safety</u>	purposes.	concerns about content or	unacceptable behaviour.	unacceptable behaviour.	to report concerns about		
		contact on the internet or		Identify how to report a	content and contact.		
		other online material.		concern.			
Spring Term	Recognise that a range of	Understand what algorithms	Design, write and debug programs that accomplish specific goals, including controlling				
	technology is used in	are, how they are	or simulating physical systems; solve problems by decomposing them into smaller				
Programming	places such as homes and	implemented as programs	parts.				
 	schools.	on digital devices, and that	Use sequence, selection, and	Use logical reasoning to	Design, write and debug		
		programs execute by	repetition in programs; work	explain how some	programs that		
	Select and use technology	following precise and	with variables and various	simple algorithms work	accomplish specific		
	for particular purposes.	unambiguous instructions	forms of input and output.	and to detect and	goals, including		
				correct errors in	controlling or simulating		
	Create simple programs.	Create and debug simple	Use logical reasoning to	algorithms and	physical systems; solve		
		programs.	explain how some simple	programs.	problems by		
			algorithms work and to detect		decomposing them into		
		Use logical reasoning to	and correct errors in	Design and write	smaller parts.		
		predict the behaviour of	algorithms and programs.	programs that			
		simple programs.		accomplish specific	Use sequence, selection,		
				goals.	and repetition in		
		Recognise common uses of			programs; work with		
		information technology			variables and various		
		beyond school.			forms of input and		
					output.		
					Use Is sized assessing As		
					Use logical reasoning to		
					explain how some simple		
					algorithms work and to		
					detect and correct errors		
					in algorithms and		
					programs.		

	Reception/Year 1	Year 1/2	Year 3/4	Year 4/5	Year 5/6
Summer Term	Recognise that a range of	Store and retrieve data and	Select, use and combine a variety of software to accomplish goals.		
	technology is	know some ways in which	Use a range of digital devices	Select a range of digital	Select and combine a
<u> Handling Data</u>	used in places such as	information is represented	to accomplish given goals,	devices to accomplish	range of digital devices
	homes and schools.	digitally.	including collecting and	given goals, including	to accomplish given
	Select and use technology		evaluating information.	collecting,	goals, including
	for particular purposes.			Analysing and	collecting,
				presenting data and	analysing, evaluating and
	Store and retrieve data			information.	presenting data and
	and know some ways in				information.
	which information is	Use technology purposefully			
<u>Multimedia</u>	represented digitally.	to create, organise, store,		Use search technologies	Understand computer
		manipulate and retrieve		effectively, appreciate	networks including the
		digital content.		how results are selected	Internet; how they can
		a gran content		and ranked, and be	provide multiple
				discerning in evaluating	services, such as the
				digital content.	World Wide Web; and
					the opportunities
					they offer for
					communication and
					collaboration.