

Switched On Computing Progression Document
Telscombe Cliffs Community Primary School

KS1	understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions	Understand what algorithms are
		Understand that algorithms are implemented as programs on digital devices
		Understand that programs execute by following precise and unambiguous instructions
	create and debug simple programs	Create simple programs
		Debug simple programs
	use logical reasoning to predict the behaviour of simple programs	Use logical reasoning to predict the behaviour of own programs
		Use logical reasoning to predict the behaviour of others' programs
	use technology purposefully to create, organise, store, manipulate and retrieve digital content	Use technology purposefully to create digital content
		Use technology purposefully to store digital content
		Use technology purposefully to retrieve digital content
		Use technology purposefully to organise digital content
		Use technology purposefully to manipulate digital content
	recognise common uses of information technology beyond school	Recognise common uses of information technology at home

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		Recognise common uses of information technology at work
		Recognise common uses of information technology outdoors
	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	Use technology safely
		Keep personal information private
		Use technology respectfully
		Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies
	design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts	Write programs that accomplish specific goals
		Design programs that accomplish specific goals
		Debug programs that accomplish specific goals
		Control or simulate 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 sequence in programs
		Use selection in programs
		Use repetition in programs
		Work with variables
		Work with various forms of input and output

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	use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	Use logical reasoning to detect and correct errors in programs
		Use logical reasoning to explain how some simple algorithms work
		Use logical reasoning to detect and correct errors in algorithms
KS2	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	Understand how computer networks can provide multiple services, such as the world wide web
		Understand computer networks, including the internet
		Understand the opportunities computer networks offer for communication
		Understand the opportunities computer networks offer for collaboration
	use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	Use search technologies effectively
		Appreciate how search results are selected
		Appreciate how search results are ranked
		Be discerning in evaluating digital content
	select, use and combine a variety of software	Select, use and combine software

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	(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	
		Design and create content
		Design and create systems
		Collect, analyse, evaluate and present data
		Collect, analyse, evaluate and present information
	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	Use technology responsibly
		Identify a range of ways to report concerns about contact
		Identify a range of ways to report concerns about content
		Recognise acceptable/unacceptable behaviour