	SOMERFORD PRIMARY COMPUTING CURRICULUM (TWINKL)					
	AUTUMN		SPRING		SUMMER	
	DIGITAL LITERACY Online Safety	COMPUTER SCIENCE Programming Toys	INFORMATION TECHNOLOGY Computer Skills	INFORMATION TECHNOLOGY Painting	INFORMATION TECHNOLOGY Word processing	COMPUTER SCIENCE Scratch
ш	Use technology purposefully to create, organise, store, manipulate and retrieve digital content Recognise common uses of information technology	Understand that programs execute by following precise and unambiguous instructions. Create and debug simple	Use technology purposefully to manipulate and retrieve digital content. Use technology safely and respectfully	To use technology purposefully to create, organise, store, manipulate and retrieve digital content Use logical reasoning to	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of	To understand that programs execute by following precise and unambiguous instructions. Use logical reasoning to
YEAR ONE	beyond school	programs. Use technology purposefully to create digital content	Тозрестопу	predict the behaviour of simple programs	information technology beyond school.	predict the behaviour of simple programs.
7						Create and debug simple programs
	DIGITAL LITERACY Online Safety	INFORMATION TECHNOLOGY Computer Art	COMPUTER SCIENCE Preparing for turtle/logo	DIGITAL LITERACY Using the Internet	INFORMATION TECHNOLOGY Presentation Skills	COMPUTER SCIENCE Programming turtle/logo
	Recognise common uses of information technology beyond school. Use technology safely and respectfully, keeping personal	To use technology purposefully to create, organise, store, manipulate and retrieve digital content	Understand what algorithms are, and that programs execute by following precise and unambiguous instructions.	To use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Understand what algorithms are; and that programs execute by following precise and ambiguous instructions. Create and debug simple
YEAR TWO	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		Create and debug simple programs.	contact on the Internet or other online technologies		programs. Use logical reasoning to predict the behaviour of simple programs
	DIGITAL LITERACY Online Safety	INFORMATION TECHNOLOGY Word processing	DIGITAL LITERACY Internet research	INFORMATION TECHNOLOGY Presentation	INFORMATION TECHNOLOGY Drawing	COMPUTER SCIENCE Turtle/ Scratch
YEAR THREE	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 technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact	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 search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Use technology safely, respectfully and responsibly; recognise acceptable /unacceptable behaviour; identify a range of ways to report concerns about content and contact,	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	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 purposefully to create, organise, store, manipulate and retrieve digital content.	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.

	DIGITAL LITERACY	INFORMATION TECHNOLOGY	INFORMATION TECHNOLOGY	COMPUTER SCIENCE	COMPUTER SCIENCE	USING AND APPLYING
	Online Safety	Word processing	Animation	Programming logo	Scratch	
					Create content that	Select, use and combine a
	Use technology safely,	Select, use and combine a	Use a variety of software to	Design, write and debug	accomplish given goals.	variety of software to design
	respectfully and responsibly;	variety of software on a	design and create content	programs that accomplish	Solve problems by	and create a range of
	recognise	range of digital devices to	that accomplish given goals	specific goals, including	decomposing them into	programs, systems and
	acceptable/unacceptable	design a range of programs,	Select, use and combine a	controlling or simulating	smaller parts	content that accomplish
	behaviour; identify a range of	systems and content that	variety of software including	physical systems; solve		given goals, including
	ways to report concerns	accomplish specific goals	analysing, evaluating and	problems by decomposing	Write and debug programs	collecting, analysing,
	about content and contact.		presenting data and	them into smaller parts.	that accomplish specific	evaluating and presenting
			information		goals	data and information
	Use search technologies			Use sequence, selection, and		
	effectively, appreciate how			repetition in programs; work	Use sequence and selection	
~	results are selected and			with variables and various	in programs	
YEAR FOUR	ranked, and be discerning in			forms of input and output. Use		
F 2	evaluating digital content			logical reasoning to explain	Use sequence and repetition	
~	identify a range of ways to			how some simple algorithms	in programs	
⋖	report concerns about			work and to detect and	Work with variables	
=	content and contact			correct errors in algorithms		
-	DIGITAL LITERACY	INTO DATA TION TEOUNOLOGY	COMPUTED COLEMOS	and programs.	COMPUTED COUNTY	DIGITAL LITERA OV
	DIGITAL LITERACY	INFORMATION TECHNOLOGY	COMPUTER SCIENCE	INFORMATION TECHNOLOGY	COMPUTER SCIENCE	DIGITAL LITERACY
	Online Safety	3D modelling	Flowol	Radio	Scratch	Internet research and
		Calaak waa sund aanalaina a	Designs with and deleves	Calaak waa ayad aayadaiya a	Designs with an algebrus	webpage design
	Use technology safely,	Select, use and combine a	Design, write and debug	Select, use and combine a variety of software on a	Design, write and debug	
	respectfully and responsibly;	variety of software (including	programs that accomplish	, , , , , , , , , , , , , , , , , , , ,	programs that accomplish	Use search technologies effectively, appreciate how
	recognise acceptable/unacceptable	Internet services) on a range of digital devices to design	specific goals, including controlling or simulating	range of digital devices to create content that	specific goals, including controlling or simulating	results are selected and
	behaviour	and create a range of	physical systems; solve	accomplish given goals,	physical systems; solve	ranked, and be discerning in
	Deridviooi	programs, systems and	problems by decomposing	including collecting,	problems by decomposing	evaluating digital content
	Identify a range of ways to	content that accomplish	them into smaller parts.	analysing, evaluating and	them into smaller parts.	evaluating digital content
	report concerns about	given goals, including	merrino smaller paris.	presenting data and	memino smaller paris.	Select, use and combine a
	content and contact	collecting, analysing,	Use sequence, selection, and	information	Use sequence, selection, and	variety of software (including
	Comom and comaci	evaluating and presenting	repetition in programs; work	illioirridileri	repetition in programs; work	Internet services) on a range
	Use search technologies	data and information	with variables and various		with variables and various	of digital devices to design
	effectively, appreciate how	data aria irromianon	forms of input and output		forms of input and output.	and create a range of
	results are selected and		Tomis of important corpor		renns et inper ana cerpen.	programs, systems and
	ranked, and be discerning in				Use logical reasoning to	content that accomplish
	evaluating digital content				explain how some simple	given goals, including
					algorithms work and to	collecting, analysing,
					detect and correct errors in	evaluating and presenting
					algorithms and programs.	data and information
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H H						Use search technologies
L						effectively, appreciate how
4						results are selected and
YEAR						ranked, and be discerning in
>						evaluating digital content

	DIGITAL LITERA OV	INTERPRETATION TECHNICION	INITORNATION TECHNICION	COMPUTER COURT	COMPUTED COUNTY	HOME AND ADDIVING
	DIGITAL LITERACY	INFORMATION TECHNOLOGY	INFORMATION TECHNOLOGY	COMPUTER SCIENCE	COMPUTER SCIENCE	USING AND APPLYING
	Online Safety	Spread sheets	Film Making	Kodu	Scratch	
						Select, use and combine a
	Use technology safely,	Select, use and combine a	Use search technologies	Design, write and debug	Design, write and debug	variety of software to design
	respectfully and responsibly;	variety of software (including	effectively, appreciate how	programs that accomplish	programs that accomplish	and create a range of
	recognise	internet services) on a range	results are selected and	specific goals, including	specific goals, including	programs, systems and
	acceptable/unacceptable	of digital devices to design	ranked, and be discerning in	controlling or simulating	controlling or simulating	content that accomplish
	behaviour; identify a range of	and create a range of	evaluating digital content.	physical systems; solve	physical systems; solve	given goals, including
	ways to report concerns	programs, systems and	Understand computer	problems by decomposing	problems by decomposing	collecting, analysing,
	about content and contact	content that accomplish	networks including the	them into smaller parts.	them into smaller parts.	evaluating and presenting
		given goals, including	internet and the opportunities			data and information.
		collecting, analysing,	they offer for communication	Use logical reasoning to	Use sequence, selection, and	
		evaluating and presenting	and collaboration	explain how some simple	repetition in programs; work	
		data and information.		algorithms work and to	with variables and various	
			Use a variety of software on a	detect and correct errors in	forms of input and output.	
			range of digital devices to	algorithms and programs.		
			design and create a range of		Use logical reasoning to	
N X X			content that accomplish	Select, use and combine a	explain how some simple	
~			given goals, including	variety of software, including	algorithms work and to	
⋖			collecting, analysing,	evaluating and presenting	detect and correct errors in	
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			data and information			
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