Finlay Community School Computing 2025/2026

Our Whole School Curriculum Intent

At Finlay, we aim to teach a broad and balanced curriculum that enables children to enjoy, achieve and succeed in line with the National Curriculum. This correlates with our whole school vision of Aspire, Belong and Achieve. We provide opportunities to develop the children's cultural capital and ensure they are life-long learners, who are ready for the next step of the education and to thrive in society. In addition to teaching the National Curriculum, we also aim for our children to leave school with a SMILE! Our SMILE values are: social awareness, mental health and wellbeing, independence, life skills and excellent aspirations. We provide opportunities to develop these values in all curriculum areas.

Our Computing Intent

At Finlay, we teach the National Curriculum. At Finlay, we understand that it is important for our pupils to continuously develop their skills within Computing, as they are living in a digitally advancing world, and many of the jobs they will go on to apply for in later life will require secure skills in Computing, with an increasing focus on computer science and coding. The National Curriculum mentions that, "a high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active

Reception 1: Interact and explore their environment using a range of multimedia equipment, including digital cameras, video cameras, microscopes etc. This could also include the use of tablets e.g. IPad to capture still and moving images. 2: Explore a teacher selected website to find a desired page using hyperlinks/navigation buttons 3: Collect information: by taking photographs. Use ICT to sort and sequence objects on a screen or interactive whitebox Year 1.1: We are treasure

1.1: We are treasure hunters

1.2: We are TV chefs

1.3: We are digital artists

1.4: We are publishers

1.5: We are rhythmic

1.6: We are detectives

Computer Science

Information Technology

Digital Literacy

4: Explore a computer/laptop using keyboard and mouse

5: Use a simple programme such as paint to draw a

paint to draw a Computing)

Whole School Curriculum Overview: Computing Units (Switched on

Year 4

4.1: We are software developers

4.3: We are musicians

4.5: We are artists

4.4: We are bloggers

4.6: We are meteorologists

4.2: We are makers

Year 3

3.1: We are programmers

3.2: We are bug fixers

3.4: We are who we are

3.3: We are presenters

3.5: We are co-authors

3.6: We are opinion pollsters

Year 2

2.1: We are astronauts

2.2: We are game testers

2.3: We are photographers

2.4: We are safe researchers

2.5: We are animators

2.6: We are zoologists

Year 5 5.1:

5.1: We are game developers

5.2: We are cryptographers

5.3: We are architects

5.4: We are web developers

5.5: We are adventure gamers

5.6: We are VR designers

<u>Year 6</u>

6.2: We are computational thinkers

6.4: We are connected

6.3: We are publishers

6.5: We are advertisers

6.6: We are AI developers

Computing Coverage Term by Term (EYFS - Year 6)

	Autum	n Term	Spring	J. Term	Sum	mer Term
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	It's Good to be Me	Let's Celebrate	I wonder: What it's like in space? What it's like in Australia? What it's like in Antarctica?	I wonder: What materials are waterproof? What the weather is like in each season? What it is like at The Farm?	Movi	lpon a Time ng on up!
Computing Unit	Interact and explore their environment using a range of multimedia equipment, including digital cameras, video cameras, microscopes etc. This could also include the use of tablets e.g. iPad to capture still	Explore a teacher-selected website to find a desired page, using hyperlinks and navigation buttons	Collect information, e.g., by taking photographs or collecting object. Use ICT to sort and sequence objects on a screen or interactive whiteboard.	Explores a computer / laptop using the keyboard and mouse.	Can use a simple programme such as paint to draw a picture	Interact and explore their environment using a range of multimedia equipment, including digital cameras, video cameras, microscopes etc. This could also include the use of tablets e.g. iPad to capture still and moving image

	and moving image						
Year I	Finlay To	y Factory	Where oh Where	is Finlay Bear	The Gred	rt Space Race	
Camputing Unit	1.1: We are treasure hunters	1.2: We are TV chefs	1.3: We are digital artists	1.4: We are publishers Information	1.5: We are rhythmic	1.6: We are detectives	
	Computer .science	Information Technology Digital Literacy Computer science	Information Technology Digital Literacy	Technology Digital Literacy	Information Technology Digital Literacy	Information Technology Digital Literacy	
Year 2	The Great Fire of London & The Tudors			urld in Days et theme	Heroes in History Florence Nightingale and Mary Seacole		
Camputing Unit	2.1: We are astronauts	2.2: We are game testers	2.3: We are photographers	2.4: We are safe researchers	2.5: We are animators	2.6: We are zoologists	
	Computer science	Computer science	Computer science Information	Information Technology Digital	Information Technology Digital	Information Technology Digital Literacy	
	Digital Literacy	Digital Literacy	Technology Digital Literacy	Literacy	Literacy		
Year 3	Rock and Roll! Stone Age and Iron Age		Deadly [Disasters	· ·	ing the Nile/ t Egyptians	
Computing Unit	3.1: We are programmers	3.2: We are bug fixers	3.4: We are who we are	3.3: We are presenters	3.5: We are co-authors	3.6: We are opinion pollsters Computer science	

	Computer science	Computer science	Information Technology Digital Literacy	Information Technology Digital Literacy	Computer science Information Technology Digital Literacy	Information Technology Digital Literacy
Year 4		Romans Glevum	Journey to th Come Sail	re River Sea! . with Me!		t Greeks mpics
Camputing Unit	4.1: We are software developers Computer science	4.3: We are musicians Computer science Information Technology Digital Literacy	4.5: We are artists Information Technology	4.4: We are bloggers Computer science Information Technology Digital Literacy	4.6: We are meteorologists Computer science Information Technology Digital Literacy	4.2: We are makers Computer science
Year 5		nd Settlers – us and Mayans	The Rainfores	station t – North and	Ancient Ma	colate! ya and Aztec
Camputing Unit	5.1: We are game developers Computer science	5.2: We are cryptographers Camputer science	5.3: We are architects Camputer science Information Technology	America 5.4: We are web developers Computer science Information Technology	5.5: We are adventure gamers Information Technology Digital Literacy	5.6: We are VR designers Computer science Information Technology

			Digital Literacy	Digital Literacy		
Year 6	We'll Med	et Again!	Ice Fa	cplorer	let Me En	tertain You!
72W 0		War 2		Antarctica		Entertainment
Computing Unit	6.2: We are computational thinkers	6.4: We are connected	6.3: We are publishers		re advertisers n Technology	6.6: We are AI developers
	Computer science	Computer science Information Technology Digital Literacy	Computer science Information Technology Digital Literacy		. Literacy	Computer science Information Technology

Progression of Knowledge, Skills and Understanding in the National Curriculum

Computer Science - Problem Solving

	Birth to Three Year Olds	Three to Four Year Olds	Reception	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
Salving smedele too sure a concar known has been to soo has to soo has to sure a concar known to sure a concar kno	can witch ectronic ys on, uch as torch remote entrol ar, and cow ow to ess uttons witches make emething appen. can ake ys, uch as wind- a toy, ove	Use a variety of electronic toys in play situations, e.g., dance mats, Beebots, and remote control toys, using basic directional language. (forward, backwards, stop)		C.I.I.I. Understand what algorithms are. The pupil can understand algorithms as sequences of instructions in everyday contexts. The pupil can take real-world problems and then plan a sequence of steps to solve these. The problems could be moving a Blue-Bot from one point to another, or making some simple food items like a sandwich, smoothie or overnight oats. In I.I, recognise a set of directions as an algorithm. In I.2, recognise the steps of a	C.2.1.1. Understand what algorithms are. The pupil can understand algorithms as sequences of instructions or sets of rules in everyday contexts. The pupil can recognise that common sequences of instructions or sets of rules can be thought of as algorithms. Examples could include recipes, but might also be procedures or rules in class, spelling rules, simple arithmetic operations or number patterns. In 2.1, recognise sets of directions	C.3.1.1. Design, write and debug programs that accomplish specific goals. The pupil can design and write a program using a block language, without user interaction. A typical program might be a scripted animation for a joke, part of a story, or linked to another area of the curriculum. Programs could use pre-built sprites or ones designed by the pupil. Expect programs to include movement and dialogue; they may also include sound effects and some use of costumes to allow	C.4.1.1. Design, write and debug programs that accomplish specific goals. The pupil can design and write a program using a block language to a given brief, including simple interaction. The pupil can write a program in Scratch or MakeCode (or similar) in which the user has to provide some input, perhaps as an answer to a question on screen, or by using key presses or the mouse. The program could be a simple game or a set of	C.5.I.I. Design, write and debug programs that accomplish specific gaals The pupil can design, write and debug a program using a black language based on their own ideas. The pupil can design a program of their own and write this in a block-based language such as Scratch. The pupil can test and debug their code, explain what bugs they found and how they fixed them. The program need not be complex but it should be accomplished with a degree of	C.6.1.1. Design, write and debug programs that accomplish specific goals. The pupil can design, write and debug a program using a second programming language based on their own ideas. The pupil can design a program of their own and write this in a programming language other than Scratch (or whichever language has formed the focus for their programming in other years), such as MakeCode. The second language does not need to be text based, but Logo or Python

recipe as an algorithm.	as algorithms. In 2.2, recognise that the rules of a game are an algorithm. In 2.3, think of the steps to taking and editing photographs as an algorithm.)	for animated movement. There may be more than one sprite in the animation.	questions and typed responses.	independent working.	The pupil can test and debug their code, explain what bugs they found and how they fixed these. The program need not be complex.
C.I.I.2. Understand how algorithms are implemented as programs an digital devices; and that programs execute by following precise and unambiguous instructions. The pupil can program floor turtles using sequences of instructions to implement an algorithm. The pupil can create a Blue-Bot (or similar) program using a number of steps in order before pressing the Go button. The length of the pupil's programs might increase over the year. In I.I, create a Blue-Bot program, implementing the complete algorithm for their solution.	C.2.1.2. The pupil can understand how algorithms are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions. The pupil can program on screen using sequences of instructions to implement an algorithm. The pupil can create programs as sequences of instructions when programming on screen. Their program could be written using simple programming apps (such as ScratchJr), perhaps using pre-prepared blocks and sprites.	C.3.1.2. Cantrolling ar simulating physical systems. The pupil can explore simulations of physical systems on screen. The pupil can experiment with some on-screen simulations of physical systems, perhaps linked to topics from other curriculum areas, e.g. a ball bouncing on a bat or a car moving around a track. Many computer games include elements of computer simulations. The pupil can discuss what they have learned from using the simulation.	C.4.1.2. Controlling or simulating physical systems. The pupil can develop their own simulation of a simple physical system on screen.	C.5.1.2. Cantrolling ar simulating physical systems. The pupil can experiment with camputer control applications.	C.6.1.2. Cantrolling or simulating physical systems. The pupil can design, write and debug a program using a second programming language based on their own ideas. The pupil can design a program of their own and write this in a programming language other than Scratch (or whichever language has formed the focus for their programming in other years), such as MakeCode. The second language does not need to be text based, but Logo or Python could be used. The pupil can test and debug their code, explain what bugs they found

In 2.1, program sprites in ScratchIr to solve the problems given to them. In 2.2, recognise how the Scratch games implement sets of rules.				and how they fixed these. The program need not be complex.
	C.3.1.3: Salve problems by decomposing them into smaller parts. The pupil can plan a project. Warking with the teacher and, perhaps, other pupils, the pupil can develop an outline plan for a project in computing, involving multiple steps and resources, e.g. creating an animation, filming a video or conducting a survey. In video wark, the plan might include identifying a subject; storyboarding the video; sourcing media; recording video; filming; editing; exporting.	C.4.1.3. Salve problems by decomposing them into smaller parts. The pupil can wark with others to plan a project. Given a particular project, the pupil can work as part of a team to plan how to accomplish their goal, breaking the project down into a set of tasks. Examples of projects could include creating an educational game or monitoring the weather.	C.5.1.3. Salve problems by decomposing them into smaller parts. The pupil can plan a solution to a problem using decomposition. The pupil can take a camplex problem, identify component parts, use decomposition to break this problem down and then plan how they can solve the problem by working through the elements they have identified. Projects could include developing a computer game, creating a website or designing a building.	C.6.1.3. Salve problems by decomposing them into smaller parts. The pupil can solve problems using decomposition, tackling each part separately. The pupil can take a complex problem, identify component parts, use decomposition to break this problem down and then plan how they can solve the problem by working through the elements they have identified. they can then use their plan to solve the original problem.

Computer Science - Programming

	Birth to	3-4 Year	Reception	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
	three	Olds	•						
	year	5.55.2							
	alds								
D	DIUS	11.		C.I.2.I. Create	C.2.2.1. Create	C.3.2.1. Use	C.4.2.1. Use	C.5.2.1. Use	C.6.2.1. Use
Programming		Use a variety of		and debug simple	and debug	sequence,	sequence, selection	sequence, selection,	sequence, selection
		electronic		programs.	simple	sequence, selection and	and repetition in	and repetition in	and repetition in
		toys in		programa.	programs.	repetition in	programs; work	programs; work	programs; work
		play		The pupil can	The pupil can	programs; work	with variables.	with variables.	with variables.
		situations,		give a sequence	create a simple	with variables.	The pupil can use	The pupil can use	The pupil can
		e.g., dance		of instructions	program on	The pupil can use	sequence and	sequence, selection	solve problems
		mats, Bee-		to a floor turtle.	screen,	sequence in	repetition in	and repetition in	using
		bots, and		, and the second	correcting any	programs.	programs.	programs.	decomposition,
		remote		The pupil can	errors.	1 8	1 8	1 8	tackling each part
		control		create a Blue-Bot		In on-screen	The pupil's	The pupil's	separately.
		toys, using		program using a	The pupil can	programming, the	program, typically	program, typically	
		basic		sequence of	create a simple	pupil's program	written in Scratch,	written in Scratch,	The pupil can take
		directional		instructions	program on	should include a	or similar, should	or similar, should	a complex
		language.		before running it	screen (e.g.	sequence of	include sequences	include sequences	problem, identify
		(forward,		using the Go	using	commands or	of commands or	of commands or	component parts,
		backwards,		button. The	ScratchJr) with	blocks in an	blocks and some	blocks, some	use decomposition
		stop)		length of the	a particular	appropriate order.	repetition. Repetition	repetition and	to break this
				pupil's pragrams might be expected	goal or	A typical program	would typically be	selection. Repetition	problem down and
				to increase over	purpose in	could be a simple	for a fixed number	might include exit	then plan how
				the course of the	mind (e.g. moving a sprite	scripted animation, e.g.	of times, but might also include exit	conditions (e.g. repeatuntil).	they can solve the problem by
				year.	from one place	telling a joke, a	conditions (e.g.	Selection would	working through
				750	to another).	story or	repeatuntil).	normally be of an	the elements they
				In 1.1, give the	20 20 20 20 20 20 20 20 20 20 20 20 20 2	explaining an	Programs might	ifthen or	have identified.
				Blue-Bot a	The pupil can	idea taken from	include simple	ifthenelse type.	they can then use
				complete	debug any	elsewhere on the	music or a simple	At this level, expect	their plan to solve
				program.	errors in their	curriculum. The	game.	the pupil to be able	the original
					own code.	pupil's program		to combine	problem.
						might include		repetition with	
					In 2.1, create	multiple sprites;		selection. Programs	
					their own	instructions could		might include a	
					program for	include movement,		computer game.	
					the rocket sprite	on-screen text,			
					in ScratchJr,	sound and/or			
					correcting any	costume changes.			
					errors.				

T					
		C.3.2.2. Wark	C.4.2.2. Work with	C.5.2.2. Wark with	C.6.2.2. Work
	A	with various	various forms of	various forms of	with various
	1 &	forms of input	input and output.	input and output.	forms of input
		and output	The pupil can write	The pupil can write	and output.
	7	The pupil can	a program that	a program that	
	λ	write a program	accepts keyboard	accepts keyboard	The pupil can
	t.	to produce output	input and produces	and mouse input	write a program
	Δ.	on screen.	on-screen output.	and produces	that accepts
				output on screen	inputs other than
	7	The pupil can	In Scratch (or	and through	keyboard and
		create a program	similar), the pupil	speakers.	mouse and
	t.	that produces	can write a		produces outputs
	Δ.	output on screen,	program that	In Scratch (or	other than screen
	Æ	such as moving	displays a	similar), the pupil	or speakers.
	Æ	sprites or	question, accepts	can create a	
		displayed text,	typed input and	computer game	
	e	e.g. a simple	responds in an	using the keyboard	
	χ.	animation	appropriate way to	or mouse for input	
	f	program.	what is typed.	and the screen and	
			This might be used	speakers for	
			as the basis for a	output.	
			dialogue program		
			or a simple maths		
			game.		
			-		

Computer Science - Logical Thinking

	Birth to Three	Three- Four	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	Year	Year							
	Olds	Olds							
Logical		Use a		C.1.3.1. Use	C.2.3.1. Use	C.3.3.1. Use	C.4.3.1. Use lagical	C.5.3.1. Use	C.6.3.1. Use
Thinking		shortcut		lagical reasoning	lagical reasoning	lagical reasoning	reasoning to	logical reasoning	logical reasoning
		such as		to predict the	to predict the	to explain how	explain haw same	to explain how	to explain how
		an icon		behaviour of	behaviour of	some simple	simple algorithms	some simple	some simple
		on the		simple programs.	simple programs.	.algorithms w.ork.	w.ork.	algorithms work.	algorithms work.
		.computer /		The pupil can give	The pupil can	The pupil can	The pupil can	The pupil can	The pupil can give
		iPad to		explanations for	give logical	explain a simple,	explain an	explain a rule-	clear and precise
		navigate		what they think a	explanations for	sequence-based	algorithm using	based algorithm	logical
		to a		program will do.	what they think a	algorithm in their	sequence and	in their own	explanations of a
		specific			program will do.	own words.	repetition in their	words.	number of
		website.		The pupil can			own words.		algorithms.
				explain to the	The pupil can	The pupil can		When provided	
				teacher, and to	give logical	give an explanation for a	Given an algorithm	with a rule-based	Given an

peers, what they think a program will do. This could be a program they or their peers have written, or it could be a familiar piece of software (including camputer games). The pupil could use an audio recorder or video camera to capture their explanations. In 1.1, explain what their own or another pupil's program will do before it is run.)	explanations of what a program will do under given circumstances, including same attempt at explaining why it does what it does. The program could be one they have written or it could be a computer game or a familiar piece of software. The pupil could use an audio recorder or a video camera to record their explanations. In 2.1, give lagical explanations for what their own or their peers' programs will do. In 2.2, give logical	simple algorithm based on a sequence of instructions. The algorithm could be one of their own, or a simple one with which they have been provided. The algorithms could be recorded graphically, e.g. as a storyboard.	using both sequence and repetition, the pupil can give a coherent, logically reasoned explanation of what it does and how it works. Repetition is likely to be 'farever' ar for a set number of times, although end conditions (e.g. repeatuntil) could be used.	algorithm (e.g. for a computer game), the pupil should be able to explain what it does and how it works, in their own words.	algorithm, the pupil can describe what it does and, using logical reasoning, give precise explanations of how it works. Algorithms could be linked to programming projects, but might include a key algorithm such as binary search.
	do. In 2.2, give				
	The second second	C.3.3.2. Use lagical reasoning to detect and carrect errors in algorithms and programs.	C.4.3.2. Use lagical reasoning to detect and carrect errors in algorithms and programs.	C.5.3.2. Use lagical reasoning to detect and carrect errors in algorithms and programs.	C.6.3.2. Use lagical reasoning to detect and carrect errors in algorithms and programs.
		The pupil can use logical reasoning to detect errors in programs. The pupil can	The pupil can use logical reasoning to detect and correct errors in programs.	The pupil can use logical reasoning to detect errors in algorithms. When given an	The pupil can use logical reasoning to detect and correct errors in algorithms (and programs).

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		give well-thought-	The pupil can give	algorithm for a	
		through reasons	well-thought-	particular	When given an
		for errors they	through reasons	purpose, e.g. a	algorithm for a
		find in programs.	for errors they	rule-based	particular
		Typically, the	find in programs	algorithm for a	purpose, e.g. a
		pupil can find	and explain how	computer game or	rule-based
		errors by	they have fixed	a sequence of	algorithm for a
		reasoning	these. The pupil	steps to draw a	smartphone app,
		logically about	can find and	geometric pattern,	the pupil can us
		the program	correct errors by	the pupil can use	logical reasonin
		code, but they	reasoning logically	logical reasoning	to identify
		might also be	about the program	to identify	possible errors
		able to use	code; they might	possible errors in	the algorithm,
		logical reasoning	also be able to use	the algorithm,	explaining why
		to identify errors	logical reasoning	explaining why	they believe the
		in programs	to identify errors	they believe the	algorithm is
		when they are	in programs when	algorithm is	incorrect. The
		executed. The	executed and	incorrect.	pupil can use
		programs do not	confirm that they		logical reasonin
		have to be	have fixed these		to suggest
		written originally	by testing the new		possible
		by the pupil.	version of their		corrections to t
		0 11	program. The		algorithm,
			programs do not		explaining why
			have to be written		these would
			originally by the		correct the bug
			pupil.		they identified.
			the colors.		in any indicates

Computer Science - Wider Understanding

	Birth to Three Year Olds	Three to Four Year Olds	Reception	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
Wider Understanding			Explores a computer / laptop using the keyboard			C.3.3.3. Understand camputer networks including the Internet.	C.4.3.3. Understand computer networks including the Internet.	C.5.3.3. Understand computer networks including the Internet.	C.6.3.3. Understand camputer networks including the Internet.
			and mouse.			The pupil can understand that computer networks transmit information in a digital (binary)	The pupil can understand that the Internet transmits information as packets of data.	The pupil can understand how data routing works an the Internet.	The pupil can understand how mobile phone or other networks operate.

		format. The pupil can explain that any information has to be converted to numbers before it can travel through computer networks. The pupil should understand that this conversion happens according to an agreed system or code.	When working online, the pupil can explain that the information they send and receive is automatically broken down into packets of data, and that these sometimes take different routes across the Internet.	The pupil can give a coherent explanation of how data packets are routed from one computer to another on a separate network, which is also connected to the Internet.	The pupil can give an explanation of how networks operate: they should know that information is transmitted digitally, and have some understanding of the network topology involved.
		C.3.4.1. Understand how networks can provide multiple services, such as the World Wide Web. The pupil can understand that email and videoconferencing are made possible through the Internet. The pupil should know that email messages are sent and received through servers connected to the Internet. The pupil should know that other systems also work through the Internet, but these services may be direct, peer-to-peer connections rather than via servers.	C.4.4.1. Understand how networks can provide multiple services, such as the World Wide Web. The pupil can understand how the Internet makes the web possible. The pupil can give an explanation of how requests for web pages, and the HTML for those pages, are transmitted via the Internet.	C.5.4.1. Understand how networks can provide multiple services, such as the World Wide Web. The pupil can understand how web pages are created and transmitted. The pupil can explain how HTML is used to create a web page and how it is transmitted as packets of digital data over the Internet. The pupil should have an awareness of simple HTML tags for marking up a web page.	C.6.4.I. Understand how networks can provide multiple services, such as the World Wide Web. The pupil can understand how domain names are converted into IP addresses on the Internet. The pupil can give some explanation of how a domain name is converted into an IP address using the distributed domain name system (DNS) using something similar to a set of phone books. The pupil should show an awareness of the looked-up addresses (DNS records) being copied (cached),

Automitigani kasa.										and that more local records are used in preference to more authoritative records in most circumstances.
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Information Technology - Creating Content

	Birth to	Three to	Reception	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
	Three	Four							
	Year	Year							
Creating Cantent	Year Olds	Year Olds	Collect information, e.g., by taking photographs or collecting object. Use ICT to sort and sequence objects on a screen or interactive whiteboard. Can use a simple programme such as paint to draw a picture.	C.I.I.I. Use technology purposefully to organise, store and retrieve digital content. The pupil can use digital technology to store and retrieve content. The pupil can use a range of digital technologies to store and access digital content. These might include laptop computers, tablets, smartphones, digital cameras,	C.2.I.I. Use technology purposefully to organise, store and retrieve digital content. The pupil can store, organise and retrieve content on digital devices for a given purpose. With a given purpose, the pupil can use a range of digital technologies to retrieve, organise and store digital content. Technologies will	C.3.I.I. Select, use and cambine a variety of software (including Internet services) an a range of digital devices. The pupil can use a range of programs on a computer. The pupil can use a range of software on laptop or tablet computers with some degree of independence. Software might include video editing, diagnostic tools, email clients, videoconferencing	C.4.I.I. Select, use and combine a variety of software (including Internet services) on a range of digital devices. The pupil can use and combine a range of programs on a computer. The pupil can use multiple programs on laptop or tablet computers to achieve particular goals. For example, they might record audio and then	C.5.I.I. Select, use and combine a variety of software (including Internet services) on a range of digital devices. The pupil can use and combine a range of programs on multiple devices. The pupil can use multiple digital devices (such as tablets and laptops or digital cameras and laptops) to achieve particular goals. The devices	C.6.I.I. Select, use and cambine a variety of software (including Internet services) an a range of digital devices. The pupil can select, use and combine a range of programs on multiple devices. The pupil can choose for themselves from a range of available programs on laptops, tablets or cloud-based services to
				video cameras and audio recorders. Projects	typically include laptop computers, tablets and	(with the teacher or another adult), survey design	use this as samples in a composition;	might include web servers, allowing them to use	achieve particular goals. For example, they
				might include videoing one	smartphones with access to	software, spreadsheets and	create HTML content in a text	cloud-based applications. For	might choose which image
				another cooking, developing an	the Internet, but the pupil might	presentation software.	editor and preview it in a browser;	example, they might use local	editors and presentation
				eBook or an	also be expected	,	analyse data in a	media in	software to use

 			T		
	audiobook,	to use digital	spreadsheet and	conjunction with	when making a
	creating a	cameras, video	then create a	a cloud-based	presentation;
	greetings card.	cameras and	presentation to	programming	which image and
		audio recorders	show the results	platform, such as	audio editors to
	(E.g. In 1.2, film	(or the	of their analysis.	Scratch; digital	use when creating
	and upload a	equivalent apps	-	cameras and	media content for
	pupil cooking.	on a tablet or		video cameras to	an app; which
	In 1.3, save their	smartphone).		capture content to	DTP, video editor
	artwork and	Projects might		use on an	and website tools
	retrieve it.	include digital		externally hosted	to use when
	In 1.4, open their	photography,		website or blog; a	developing
	eBook, import	searching for		digital camera to	marking materials
	images sourced	images online		take photos they	for an app.
	online to their	and creating		could import into	
	eBook and save.	image-based		3D design	
	In 1.5, record	presentation		software on a	
	audio, import it	slides.		laptop.	
	to the computer				
	and save their	(E.g. In 2.3,			
	work.	review, reject			
	In 1.6, open,	and rate the			
	modify, add	photographs they			
	images to and	have taken.			
	save their	In 2.4, retrieve			
	popplets; fill in	information and			
	spreadsheets and	images from			
	Google Forms.)	websites into			
		presentations,			
		and save their			
		w.ork.			
		In 2.5, film and			
		upload a			
		working stop-			
		motion video.			
		In 2.6, use			
		questions to sort			
		and classify			
		objects; take,			
		upload and			
		organise			
		photographs;			
		add information			
		to a map.)			

	C 2		C 2 L 2 D · '	C / 1 2 D ·	CEL2 D ·	C (1 2 D ·
Collect	C.I.I.2. Use	C.2.1.2. Use	C.3.1.2. Design and	C.4.1.2. Design	C.5.1.2. Design	C.6.1.2. Design
information,	technology	technology	create a range of	and create a	and create a	and create a
e.g., by taking	purposefully to	purposefully to	programs, systems	range of	range of	range of
photographs or	create and	create and	and content that	programs,	programs,	programs,
collecting	manipulate digital	manipulate	accomplish given	systems and	systems and	systems and
object.	.content.	.digital .content.	goals.	content that	content that	content that
object.	TI .1	T1 .1	The pupil can	accomplish given	accomplish given	accomplish given
II ICT I	The pupil can	The pupil can	design and create	goals.	goals.	goals.
Use ICT to sort	create original	create and edit	content on a	The pupil can	The pupil can	The pupil can
and sequence	content using	original content	computer.	design and create	design and create	design and create
objects on a	digital technology.	for a given		content on a	programs on a	systems in
screen or	T1 ·1	purpose using	The pupil can plan	computer in	computer in	response to a
interactive	The pupil can	digital	and execute a	response to a	response to a	given goal.
whiteboard.	create their own	technology.	project in which	given goal.	given goal.	
wincesoura.	original digital	T1	they use software			The pupil can
Canavasa	content using a	The pupil can	on a laptop or	With a given goal,	The pupil can	plan, design and
Can use a	range of	create and edit	tablet to create	the pupil can plan	design a program	implement a
simple	technologies.	their own	digital content with	and execute a	of their own in	system with
programme	These might	original digital	some degree of	project in which	response to a	multiple,
such as paint to	include laptop	content using a	independence. For	they use software	given goal and	interrelated
draw a picture.	computers,	range of	example, they could	on a laptop or	write this in a	components with
'	tablets,	technologies.	plan and shoot a	tablet to create	block-based	a given goal in
	smartphones,	Content-creation	video, plan and	digital content	language such as	mind.
	digital cameras,	technology might	create a	with some degree	Scratch. The	
	video cameras	include laptop	presentation on a	of independence.	program need not	
	and audio	computers,	given topic or plan	For example, they	be complex - a	
	recorders. Projects	tablets,	and then create an	could plan and	simple game	
	might include	smartphones	online survey.	compose original	would suffice, but	
	videoing one	with network		music using	it should be	
	another cooking,	connections,		sequencing	accomplished with	
	developing an	digital cameras,		software; plan	a degree of	
	eBook or an	video cameras		and create a web	independent	
	audiobook,	and audio		page; plan how	working.	
	creating a	recorders,		they could		
	greetings card.	although editing		contribute to a		
	Look for some	is likely to take		shared wiki and		
	indication of the	place on laptops		then do so; plan		
	pupil's creativity	or tablets.		and create a		
	in this work.	Projects might		presentation about		
	(F . I. I. 2 . 0:1	include digital		the weather. They		
	(E.g. In 1.2, film	photography,		should evaluate		
	digital video.	creating image-		how effectively		
	In 1.3, create an	based		they have met the		
	original painting.	presentation		requirements of		
	In 1.4, create an	slides,		the original goal.		
	eBook including	composing an				
	images and	email and				
	original text.	creating simple				

		In 1.5, create and record original digital audio. In 1.6, create data tables and trees.)	charts. Look for some indication of the pupil's creativity in this work and evidence that they have edited content. (E.g. In 2.3, take and edit original digital photographs. In 2.4, create				
			and edit their own presentation. In 2.5, film and edit a stop-motion video. In 2.6, take and edit photographs and create and edit charts.)			C.5.1.2. C. ". "	
				C.3.1.3. Collecting, analysing, evaluating and presenting data and information. The pupil can collect and present information.	C.4.1.3. Collecting, analysing, evaluating and presenting data and information. The pupil can collect and present data.	C.5.1.3. Collecting, analysing, evaluating and presenting data and information. The pupil can analyse and evaluate information.	C.6.1.3. Callecting, analysing, evaluating and presenting data and infarmatian. The pupil can analyse and evaluate data.
				The pupil can use computers to collect information and present this to an audience. For example, they could shoot and then show a video or conduct an online survey and present the results. They should be able to do this with a	The pupil can use computers to collect numerical data and present this to an audience. For example, they could collect and present data about the weather over a period of time. They should be able to do this	Working with text, audio, images or video, the pupil can analyse information, perhaps summarising this. They should evaluate the quality of the information, looking for bias	The pupil can evaluate the quality of numerical data, deciding the extent to which it is affected by systematic or random errors. They should analyse their data, perhaps

			degree of	with a degree of	or questioning	producing
			independence.	independence.	assumptions that	summary
					have been made.	statistics, looking
					For example, they	for relationships,
					could work with	trends and
					information on e-	exceptions.
					safety, evaluating	·
					its quality and	
					providing a clear	
					and coherent	
					summary.	
					υ	

Information Technology - Searching

	Birth to Three Year	Three to Four Year	Reception	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
	Olds	Olds							
Searching		Use a shortcut such as an icon on the computer / iPad to navigate to a specific website.	Explore a teacher- selected website to find a desired page, using hyperlinks and navigation buttons			c.3.2.1. Use search technologies effectively. The pupil can search for information within a single site. The pupil can use browser-specific tools (e.g. the Find command) and site-specific tools (such as the search tools for Wikipedia or YouTube) to locate particular information on a web page or within a website.	C.4.2.1. Use search technologies effectively. The pupil can use a standard search engine to find information. The pupil can use a common search engine (such as Google with safe search mode locked in place) effectively, to search for particular information on the web, such as answers to questions they identify in a research project.	C.5.2.1. Use search technologies effectively. The pupil can use filters to make more effective use of a standard search engine. The pupil can use a common search engine (such as Google with safe search mode locked in place) effectively, to search for particular information on the web, such as answers to questions they identify in a research project. They should use built-in search	C.6.2.1. Use search technologies effectively. The pupil can make use of a range of search engines appropriate to finding information that is required. The pupil can show that they can use effectively a range of different search technologies, including alternatives to Google (such as Bing or Yahoo) and site-specific search engines (such as those for the App Store or Google Play).

					tools to filter their	E.g. They could
					results, such as	demonstrate how
					by time, location	they would use a
					or reading level.	range of search
					o o	engines when
						researching
						available
						smartphone apps
						for a particular
						purpose.
			C.3.2.2. Appreciate	C.4.2.2. Appreciate	C.5.2.2.	C.6.2.2.
			how search	how search results	Appreciate how	Appreciate how
			results are selected	are selected and	search results are	search results are
			and ranked.	ranked.	search results are	search results are
			anu rankea.		ranked.	ranked.
			The munit	The pupil can		
			The pupil can	understand that	The pupil can	The pupil can
			understand that	search engines	understand that	appreciate that
			search engines	rank pages	search engines use	search engines
			select pages	according to	a cached copy of	rank pages based
			according to	relevance.	the crawled web	on the number
			keywords found in		to select and rank	and quality of in-
			the content.	The pupil can	results.	bound links.
				demonstrate their		
			When using search	understanding that	The pupil can	The pupil can
			engines, the pupil	search engine	explain how a	demonstrate some
			should	results are ranked	search engine	awareness of the
			demonstrate their	according to	creates an index	Page Rank
			understanding that	relevance, and that	from a cached	algorithm,
			the pages shown	normally the top	copy of the web	explaining that the
			include the	results on the first	and uses this to	quality of a page
			keywords they	page are likely to	select and rank	is determined
			have specified. The	be those most	results. The pupil	largely on the
			pupil can use this	relevant to their	might also show	basis of the
			knowledge by	query. If the pupil	an awareness of	number and
			thinking of good	is unable to find	the Page Rank	quality of links
			keywords	good results on	algorithm in	pointing to that
			appropriate for	the first page,	which results are	page in the
			what they are	expect them to	ranked according	engine's cached
			searching.	reconsider their	to the number and	copy of the web,
				keywords rather	quality of in-	and that quality
					bound links.	is itself determined
				than looking at	wina iinks.	recursively
				further pages of		through Page
				results.		ŭ ŭ
						Rank.

Digital Literacy - ESafety

Birth t		Pre-school	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Three Year	Four Year	and						
7ear Olds	Olds	Reception						
Be interested in pulley toys	Shows an interest in technology – wants to have a go on the	Interact and explore their environment using a range of multimedia equipment,	C.I.I.I. Use technology safely and respectfully. The pupil can keep themselves safe while using	C.2.1.1. Use technology safely and respectfully. The pupil can keep safe and show respect to others	C.3.1.1. Use technology safely, respectfully and responsibly. The pupil can use digital technology	C.4.1.1. Use technology safely, respectfully and responsibly. The pupil can demonstrate that	C.5.1.1. Use technology safely, respectfully and responsibly. The pupil can demonstrate that	C.6.1.1. Use technology safely, respectfully and responsibly. The pupil can show that they
age appropria apps	whiteboard	including digital cameras, video cameras, microscopes etc. This could also include the use of tablets e.g. iPad to capture still and moving image.	The pupil can understand that they need to keep safe when using digital technology. For example, they should know to use filtered Safe Search when looking for images on the web and that they should close the lid of a laptop (or turn over a tablet) and alert an adult if they come across unsuitable content. (E.g. In 1.3 and 1.4, close their laptop (or turn over their tablet)	while using digital technology. The pupil should know that they need to keep themselves safe when using digital technology. E.g. They should know to use filtered SafeSearch when looking for images on the web and that they should close the lid of a laptop (or similar action) if they find inappropriate images. They should know to respect others' rights, including privacy and intellectual property when using computers,	safely and show respect for others when working online. The pupil should know that they need to keep themselves safe when using digital technology. For example, they should show respect for others when filming and should not normally post videos online. If responding to online surveys, they should do so anonymously, thinking carefully about information they give out.	they can act responsibly when using computers. The pupil can act responsibly when using computers. For example, they should act responsibly when developing computer games or prototype products. They should behave responsibly when using sampled music or creating a composition. They should show responsibility when creating or remixing online content, including observing copyright and any terms and	they can act responsibly when using the Internet. The pupil can act responsibly when using the Internet. For example, they should act responsibly when participating in an anline community, such as the Scratch community, if permitted to do so. They should demonstrate that they understand the importance of encrypted (HTTPS) connections when browsing the web and of using strong passwords to protect their identity online.	can think through the consequences of their actions when using digital technology. The pupil can discuss likely and potential consequences of their actions when using digital technology in a range of contexts. Contexts might include developing smartphone apps; using online project management tools; collecting information for market research; posting original content online.
			and tell a teacher if they find inappropriate images.)	so should not look at someone else's work or copy it without permission and acknowledgement.		conditions. They should contribute positively to a shared wiki.	They should act responsibly when creating, editing or commenting on	

				They should			web pages or blog	
				abserve age			posts.	
				restrictions on			•	
				computer games.				
				1 0				
				(E.g. In 2.2,				
				observe age				
				restrictions when				
				playing games out				
				of school.				
				In 2.3, ask before				
				taking photos of				
				others.				
				In 2.4, know				
				what to do if				
				they encounter				
				inappropriate				
				content;				
				acknowledge the				
				source of				
				information they				
				use.				
				In 2.6, know not				
				to post images				
				with metadata to				
				the open web.)				
			C.I.I.2. Keeping	C.2.1.2. Keeping	C.3.1.2. Recagnise	C.4.1.2. Recagnise	C.5.1.2. Recagnise	C.6.1.2. Recognise
			personal	personal	.acceptable/	acceptable/	.acceptable/	acceptable/
			information	information	unacceptable	unacceptable	unacceptable	unacceptable
			private.	private.	behaviour.	behaviour.	behaviour.	behaviour.
			The pupil can	The pupil can	The pupil can	The pupil can	The pupil can	The pupil can
			understand that	understand that	recognise	understand the	discuss the	identify principles
			information on	they should not	unacceptable	difference between		underpinning
			the Internet can	share personal	behaviour when		consequences of particular	
			be seen by others.	information online.		acceptable and		acceptable use of
			U		using digital	unacceptable	behaviours when	digital
			The pupil should	The pupil should	technology.	behaviours when	using digital	technologies.
			be aware that	understand that	T	using digital	technology.	T
			information stored	personal	The pupil can	technology.	T	The pupil can
			on the web or	information	identify what	T	The pupil can	identify some
			transmitted via	should be kept	would be	The pupil can	discuss the likely	principles
			the Internet is	private: it should	unacceptable or	discuss the	or possible	underpinning
			available to other	not be posted	inappropriate	difference between	consequences of	acceptable
1			people. E.g. They	online to a public	behaviour when	acceptable and	particular	behaviour when
	1		perpue. L.y. 11teg	mane in a public	using digital	unacceptable	behaviours when	using technologies
		l	chauld braw that	audiance and				
			should know that the images they	audience and should only be	technology in a	behaviours when using digital	using digital technology in a	in a range of contexts. Contexts

find online can be found by others too, and that the queries they type in can be seen by those who run the search engine they use and the school's network. (E.g. In 1.2, 1.3, 1.4 and 1.6, know that some personal information and images should be kept private, and understand what should not be posted online. In 1.3 and 1.4, realise that the images they search for can be seen by others.)	shared privately with those who they (or their parents) would trust. E.g. The pupil should recognise that photos they take in school should not normally be posted to the open web. They should know that photos taken with smartphones often contain hidden information about where the photo was taken. (E.g. In 2.2 and 2.6, know that photos of themselves or other people should not normally be uploaded to the open web. In 2.6, know that photos can contain metadata revealing where they were taken.)	For example, they should know what would be unacceptable when using anline communities, such as the Scratch website, or when shooting or publishing video. They should know what would be unacceptable use of the Command prompt, email or anline survey tools.	technology in a range of contexts. Cantexts could include the Scratch website, or other online communities; the use of others' original content, such as music samples or web pages; wikis, including Wikipedia.	range of contexts. Contexts could include the Scratch website, or other anline communities; using cryptography and passwords; creating websites or writing blog posts.	could include smartphone or tablet use; the use of online project management tools; online surveys and recording of interviews; creating and sharing digital content.
C.I.I.3. Identify where to go for help and support when they have concerns about content or contact on the Internet or other anline technologies. The pupil can understand what to do if they see	C.2.1.3. Identify where to go for help and support when they have concerns about content or contact on the Internet or other online technologies. The pupil can understand what to do if they have	C.3.1.3. Know a range of ways to report concerns and inappropriate behaviour. Know who to talk to about concerns and inappropriate behaviour in school. Pupils should know	C.4.1.3. Know a range of ways to report concerns and inappropriate behaviour. Know who to talk to about concerns and inappropriate behaviour at home or in school. Pupils should	C.5.1.3. Know a range of ways to report concerns and inappropriate behaviour. Know how to report concerns and inappropriate behaviour in a range of contexts. Pupils should	C.6.1.3. Know a range of ways to report concerns and inappropriate behaviour. Know a range of ways to report concerns and inappropriate behaviour in a variety of contexts.

disturbing content concerns about to report know to report anline at home or content or contact inappropriate inappropriate report at school. online. behaviour when behaviour when using technology in using technology The pupil should The pupil should school to their in school to their know to close in school: know to close teacher, the teacher, the their laptop lid or their laptop lid or network manager network manager turn their tablet turn their tablet or another trusted or another trusted over if they find over if they find adult, and that adult, and that content, such as content, such as they can discuss they can discuss inappropriate inappropriate any concerns they any concerns they images, which images, which have with their have with their might disturb might disturb them teacher or other teacher or other them or other or other pupils; if trusted adults in trusted adults in report any pupils. They someone they don't school. school. They should know to trust contacts should also know tell their teacher them online; if that any concerns or their someone makes over, or parents/carers if inappropriate at home. inappropriate this happens. contact online. behaviour with, They should know digital technology (E.g. In 1.3 and to tell their teacher at home can be or their 1.4, know to discussed with parents/carers if close their laptop their parents, with lid or turn their this happens, and you or with tablet over and be aware that another trusted adult. tell a teacher or they could talk to another trusted their parents/carers if adult or to Childline about they find inappropriate this. images.) which they (E.g. In 2.4, know to close their laptop lid or turn their tablet over and tell a teacher, their parents/carers, another trusted adult or an agency such as Childline if they find inappropriate

content.)

know how to inappropriate behaviour when using technology preferably this will be to their teacher. the network manager or another trusted adult. They should know how to concerns over inappropriate behaviour with digital technology Preferably this would be through discussion with their parents, with you or with another trusted adult. Pupils should also know how to report inappropriate behaviour to those running websites regularly use, and to Childline, CEOP or to the police.

Pupils should know how to report inappropriate behaviour when using technology in school: preferably this will be to their teacher, the network manager or another trusted adult. They should know how to report any concerns over, or inappropriate behaviour with, digital technology at home. Preferably this would be through discussion with their parents, with you or with another trusted adult. Pupils should also know how to report inappropriate behaviour to those running websites which they regularly use, and to Childline, CEOP or the police. Pupils should know that illegal content or activities can be reported to CEOP or the police.

	C.3.I.X. Be discerning in evaluating digital content. The pupil can decide whether a web page is relevant for a given purpose or question. The pupil can form a judgement about whether a web page is appropriate	C.4.I.X. Be discerning in evaluating digital cantent. The pupil can decide whether digital content is relevant for a given purpose or question. The pupil can form a judgement about whether a web page, such	C.5.I.X. Be discerning in evaluating digital content. The pupil can decide whether digital content is reliable and unbiased. The pupil can discuss whether particular content (such as a web page, other pupils'	C.6.I.X. Be discerning in evaluating digital content. The pupil can form an opinion about the effectiveness of digital content. Taking into account the intended audience and purpose of the content, the
	for finding out the answer to a question they have or for a given purpose.	as a Wikipedia article, or other digital content is appropriate for finding out the answer to a question they have or for a given purpose.	pages or blog posts) is reliable and whether it has been written from a neutral point of view. They should be able to spot some examples of bias in digital content.	pupil can form a judgement as to, and provide reasons for, the extent to which they consider digital content to be effective. The content might be media resources or marketing materials.
	C.3.1.4. Understand the appartunities networks offer far communication and collaboration. The pupil can use email and videoconferencing in class.	C.4.1.4. Understand the opportunities networks offer for communication and collaboration. The pupil can work collaboratively	C.5.1.4. Understand the appartunities networks offer for communication and collaboration. The pupil can work collaboratively	C.6.1.4. Understand the appartunities networks offer for communication and collaboration. The pupil can use online tools to plan and carry
		with classmates on a shared wiki. The pupil can work collaboratively with their peers on a shared project, such as a class	with classmates on a class website or blog. The pupil can work productively and positively with others when developing a	out a collaborative project. The pupil can make use of an anline tool to plan and carry out a

			providing feedback	shared website or contributing to a class blog.	collaborative project.
			to others.		

Digital Literacy - Using IT Beyond School

Birth to Three Year Olds	Three to Four Year Olds	Reception	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
Shows an interest in pulley toys	Shows an interest in technology - wants to have a go an the whiteboard ar use an ipad. Use a variety of electronic toys in play situations, e.g., dance mats, Bee-bots, and remote control toys, using basic directional language. (forward, backwards, stop)	Interact and explore their environment using a range of multimedia equipment, including digital cameras, wideo cameras, microscopes etc. This could also include the use of tablets e.g. iPad to capture still and moving image. Collect information, e.g., by taking photographs or collecting object.	C.1.2.1. Recognise common uses of information technology beyond school. The pupil can show an awareness of how IT is used for communication beyond school. The pupil can mention some of the ways in which IT is used to communicate beyond school. E.g. They might know that some people use social media such as Facebook, email, video calls or online greetings to say happy birthday to their friends. (E.g. In 1.6 recognise online collaboration tools such as Google	C.2.2.1. Recognise common uses of information technology beyond school. The pupil can show an awareness of how IT is used for a range of purposes beyond school. The pupil can name a number of purposes for which IT is used beyond school. The pupil might know that adults can share work and discuss ideas in online communities; that photos can be taken, edited and shared easily using digital technology; that the web is made up of information shared by people				

Forms and the	and
Google Suite.)	organisations;
	that people use
	email for a range
	of purposes and
	in a variety of
	contexts; that
	scientists use
	computers when
	collecting and
	analysing data.
	Muligary Auto.
	(E.g. In 2.1 and
	2.2, recognise
	that people can
	share work and
	discuss ideas
	using online
	communities.
	In 2.3, recognise
	that people take,
	edit and share
	photographs
	using digital
	technology.
	In 2.4, recognise
	that people
	publish useful
	information on
	the web.
	In 2.5, recognise
	that videos can
	be edited digitally
	to great effect.
	In 2.6, recognise
	that scientists use
	a range of digital
	technologies when
	collecting and
	analysing data.)
	mumpm of natural

Characteristics of Effective Computing Teaching What would I see in a unit of Computing? What would I see in a Lesson?

Exploration of new software and	Developing competency in Computing	Opportunity to develop an understanding
hardware – incidental learning occurs	skills and understanding: teaching in a	of Computer Science, Information
this way	sequential manner; learning is	Technology and Digital Literacy within
	progressive.	blacks of work.
Practical, hands on learning	5-minute recap at the beginning of each	Opportunities to use and develop
opportunities.	lesson to encourage retention of key	Computing technical vocabulary e.g.
	knowledge and vocabulary.	coding, debugging, algorithm
Problem solving and reasoning	Range of activities both using	Development of knowledge, skills and
	technology and unplugged.	understanding in line with the National
		Curriculum.