

Skill	EYFS	Yr1	Yr2	Yr3	Yr4	Yr5	Yr6



	Nursery	I can explain that	I can explain an	I can make a real-life	I can turn a real-life situation to solve	I can make more complex	can turn a complex
	I can listen and	an algorithm is a	algorithm is a	situation into an algorithm	into an algorithm, using a design that	real-life problems into	programming task into an
	respond to	set of	set of	for a program. (3.1)	shows how I can accomplish this in	algorithms for a program.	algorithm. (6.1)
	•	instructions. (1.4,	instructions to		code. (4.1, 4.5)	(5.1)	
	what I hear	1.5)	complete a	I can design an algorithm			I can identify the important
			task. (2.1)	carefully, thinking about	I can use repetition in my code. For	I can test and debug my	aspects of a programming task
	I can talk about	I know that a		what I want it to do and	example, using a loop that continues	programs as I work. (5.1,	(abstraction). (6.1)
	a game and	computer	I know I need to	how I can turn it into code.	until a condition is met such as the	5.5)	
	what I did	program turns an	carefully plan	(3.1)	correct answer being entered. (4.1)		I can decompose important
	wiiat i uiu	algorithm into	my algorithm so			I can convert (translate)	aspects of a programming task
		code that the	it will work	I can identify an error in my	I can use timers within my program	algorithms that contain	in a logical way, identifying
	I can move an	computer can	when I make it	program and fix it. (3.1)	designs more accurately to create	sequence, selection and	appropriate coding structures
	object on	understand. (1.4,	into code. (2.1)		repetition effects. For example, I can	repetition into code that	that would work. (6.1)
	Purple Mash	1.7)		I can experiment with	create a counting machine. (4.1)	works. (5.1)	
	using toggle		I can design a	timers in my programs.			I can test and debug my
		I can work out	simple program	(3.1)	I can use selection (decision) in my	I can use sequence,	program as I work on it and use
	arrows	what is wrong	using 2Code	Lagaridantificthe difference	programming. For example, using an	selection, repetition, and	logical methods to identify a
		when the steps are out of order in	that achieves a	I can identify the difference in using between the effect	'if statement' for a question being asked and the program takes one of	some other coding structures in my code. (5.1)	cause of a bug. (6.1)
		instructions. (1.4,	purpose. (2.1)	of a timer or repeat	two paths. (4.1)	structures in my code. (5.1)	I can identify a specific line of
		1.5)	I can design a	command in my code. (3.1)	two patris. (4.1)	I can organise my code	code that is causing a problem
		1.5)	simple program	command in my code. (3.1)	I can use variables within my	carefully for example,	in my program and attempt a
		I can say that if	using 2Code	I know that a variable	program and know how to change	naming variables and using	fix. (6.1)
		something does	that achieves a	stores information while a	the value of variables. (4.1)	tabs. I know this will help	11X. (U.1)
	Reception	not work how it	purpose. (2.1)	program is running	the value of variables. (1.1)	me debug more efficiently.	I can translate algorithms that
	I can give	should it is	pui pose. (2.1)	(executing). (3.1)	I can use the user inputs and output	(5.1)	include sequence, selection and
	directions orally	because my code	I can say what	(======================================	features within my program, such as	()	repetition into code and nest
		is incorrect. (1.7)	will happen in a	I can identify 'If'	'Print to screen'. (4.1)	I can use logical methods	these structures within each
	I can explore	, ,	Program. (2.1)	statements, repetition and	,	to identify the cause of any	other. (6.1)
	•	I can try and fix		variables. (3.1)	I can identify errors in my code by	bug with support to identify	
	arrow toggles	my code if it isn't	I can spot		using different methods, such as	the specific line of code.	I can use inputs and outputs
		working properly.	something in a	I can read programs with	steeping through lines of code and	(5.1)	within my coded programs such
	I can explain a	(1.7)	program that	several steps and predict	fixing them. (4.1)		as sound, movement and
	game to		has an action or	what it will do. (3.1)		I know the importance of	buttons and represent the state
	someone else	I can make good	effect (does		I can read programs that contain	computer networks and	of an object (6.1, 6.7)
		guesses of what is	something).	I can identify different	several steps and predict the	how they help solve	
)Se	1	going to happen	(2.1)	ways that the internet can	outcomes with increasing accuracy.	problems and enhance	I can interpret (understand) a
iei	I can give	in a program. For		be used for	(4.1, 4.5)	communication. (5.2)	program in parts and can make
Sc	several directs	example, where		communication. (3.5)			logical attempts to put the
Computer Science	but may not be	the turtle might			I recognise the main component	I recognise the main	separate parts together in an
mc	correct.	go. (1.5, 1.7)		I can use email such as	parts of hardware which allow	dangers that can be	algorithm to explain the
Ĕ				2Email to respond to others	computers to join and form a	perpetuated via computer	program as a whole. (6.1)
၂ ပိ				appropriately and attach	network. (4.8)	networks. (5.2)	
_				files. (3.5)			



	I understand that network and communication components can be found in many different devices which allow them to join the internet. (4.2, 4.7, 4.8)	I can explain what personal information is and know strategies for keeping this safe. (5.2) I can use the most appropriate form of online communication according to the digital content. For example, use 2Email, 2Blog and Display Boards. (5.2 & others)	I can explain the difference between the internet and the World Wide Web. (6.2, 6.4,6.6) I can explain what a WAN and LAN is and describe the process of how access to the internet in school is possible. (6.2,6.6)
--	--	--	---



Skill	EYFS	Yr1	Yr2	Yr3	Yr4	Yr5	Yr6
	Nursery I can navigate around Mini mash I can explore	I can sort sound, pictures and text. (1.2) I can add sound, pictures and text to a program such as 2Create a Story.	I can organise data – for example, using a database such as 2Investigate. (2.3, 2.4) I can find data using specific	I can carry out searches to find digital content on a range of online systems, such as within Purple Mash or on an internet search engine. (Across units)	I understand the purpose of a search engine and the main features within it. (4.7) I can look at information on a webpage and make	I can search precisely when using a search engine. For example, I know I can add additional words or removes words to help	I can use filters when searching for digital content. (6.2,6.9) I can explain in detail how accurate and
	different features in different apps	(1.6) I can change content on a	searches – for example, using 2Investigate. (2.4, 2.5)	I can collect data and input it into software. (3.3, 3.6, 3.8)	predictions about the accuracy of information contained within it. (4.7)	find better results. (5.2)	reliable a webpage and its content is. (6.2)
	I can save my work into my tray	file such as text, sound and images. (1.3, 1.6, 1.7, 1.8) I can name my work. (1.2, 1.3, 1.6, 1.7, 1.8) I can save my work. (1.2,	I can use several programs to organise information – for example, using binary trees such as 2Question or spreadsheets such as 2Calculate. (2.4, 2.8)	I can analyse data using features within software to help such as, formula in 2Calculate (spreadsheets). (3.3, 3.6, 3.8) I can present data and information using different software such as 2Question	I can create and improve my solutions to a problem based on feedback. For example, create a program using 2Code. (4.1, 4.2)	I can explain in detail how accurate, safe and reliable the content is on a webpage. (5.2) I can make appropriate	I can compare a range of digital content sources and rate them in terms of content quality and accuracy. (6.1, 6.3, 6.4, 6.5, 6.7,6.9)
		I can find my work. (1.2, 1.3, 1.6, 1.7, 1.8) I can find my work. (1.2, 1.3, 1.6, 1.7, 1.8)	I can edit digital data such as data in music composition software like 2Sequence. (2.7 and most	(branching database) or 2Graph (graphing tool). (3.3, 3.6, 3.8,3.9) I can consider what the most	I can review solutions that others have created, using a checklist of criteria. (4.1, 4.2) I can work collaboratively to	improvements to digital work I have created. (Across units)	I can consider the intended audience carefully when I design and make digital
	Reception I can use features in games for a		I can name, save and find my work. (2.3, 2.4, 2.6, 2.7, 2.8 & most units)	appropriate software to use when given a task by my teacher. (Across units) I can create purposeful	create content and solutions. (4.1, 4.3, 4.4,48) I can share digital content using a variety of applications	successful a digital solution is that I have created. For example, a program built in 2Code that sorts	content. (6.1, 6.3, 6.4, 6.5, 6.7,6.9) I can design and create my own online blogs.
	purpose I can use art and music apps to		I can include photos, text and sound in my creations. (2.8, 2.6)	(appropriate) content and attach this to emails. (3.3, 3.5, 3.6, 3.7, 3.8, 3.9)	such as: 2Blog, 2Email and Display Boards. (Across units)	decimals numbers. (Across units)	(6.4) I can use criteria to evaluate the quality of
Information technology	express how I feel		(2.6)			collaboratively with others creating solutions to problems using appropriate software such as 2Code. (Across units)	my own and others digital solutions, suggesting refinements. (6.1, 6.3, 6.4, 6.5, 6.7,6.9)
Information						I can use collaborative modes such as within 2Connect to work with others and share it. (5.7)	



Skill	EYFS	Yr1	Yr2	Yr3	Yr4	Yr5	Yr6
	Nursery	I can say what technology	I can find information I	I can create a secure	I have a good	I have a secure	I can demonstrate safe
	I can ask an adult for	is. (1.9)	need using a search	password. (3.2)	understanding of the online	knowledge of online	and respectful use of a
	help		engine. (2.5)		safety rules we learn at	safety rules taught at	range of different
		I can say what examples		I can explain the importance	school. (4.2 & across	school. (5.2 & across	technologies and
	I can talk about	of technology are in	I know the consequences	of having a secure password	curriculum)	units)	online services. (6.2,
	technology I use	school. (1.9)	of not searching online	and not sharing it with			6.4)
	technology ruse		safely. (2.2, 2.5)	others. (3.2, 3.5)	I can demonstrate how to	I can demonstrate the	
		I can say what examples			use different online	safe and respectful use	I can identify more
	I can follow simple	of technology are at	I can share work and	I can explain the negative	technologies safely. (4.2 &	of different online	discrete inappropriate
	instructions	home. (1.9)	communicate	consequences of not keeping	across curriculum)	technologies and	behaviours online. For
			electronically – for	passwords safe and secure.		online services. (5.2 &	example, someone
	I can follow routines	I know that a chair uses	example using 2Email or	(3.2, 3.5)	I can demonstrate how to	across units)	who may be trying to
	and rules	old technology and a	the display boards. (2.2		use a few different online		groom me or someone
		smart phone uses new	and others)	I understand the importance	services safely. (4.2 &	I always relate	else. (6.2)
		technology. (1.9)		of keeping safe online and	across curriculum)	appropriate online	
	Reception	Land bear well and	I can report unkind	behaving respectfully. (3.2)	Line and the same a state to	behaviour to my right	I can use critical
	I can recognise	I can keep my login	behaviour and things that		I know I have a right to	to have personal	thinking to help me
	different purposes for	information safe. (1.1 and	upset me online, to a	I can use communication tools such as 2Email	privacy both on and offline.	privacy. (5.2 & across	stay safe online. (6.2)
	technology	most units)	trusted adult. (2.2)	respectfully and use good	(4.2 & across curriculum)	units)	I know the value of
	technology	I can save my work in a	I can see where	etiquette. (3.2, 3.5)	I recognise that my	I know how to not let	protecting my privacy
	Lancatalia tuman udan	safe place such as 'My	technology is used at	etiquette. (3.2, 3.3)	wellbeing can be affected	my mental wellbeing	and others online. (6.2,
	I can take turns when	Work' folder. (1.1 and	school such as in the	I can report unacceptable	by how I use technology.	or others be affected	6.4
	using Purple Mash	most units)	office or canteen. (2.2)	content and contact online in	(4.2 & across curriculum)	by use of online	0.4
		most units)	office of cariteen. (2.2)	more than one way to a	(4.2 & deross curricularil)	technologies and	
	I know that the work		I understand that my	trusted adult. (3.2)	I can report with ease any	services. (5.2 & across	
∑	in my tray is mine		creations such as	trusted duart. (5.2)	concerns with content and	units)	
er:			programs in 2Code, need		contact online and know	diffest	
ı≝	I can explain why		similar skills to the adult		immediate strategies to		
Digital literacy	following rules is		world. e.g. The program		keep safe. (4.2 & across		
<u>:</u>	important		used for collecting money		curriculum)		
Ω			for school trips. (2.1)		,		