#### Long Term Plan for Computing Nursery (3 – 4 years olds)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Кеу	Why am I special?	How can I see in the dark?	Is it raining today? Why	Is the grass starting	What are the wonders	Where are we going?
Questions			are my fingers cold?	to grow?	of Tyldesley?	
	What happens in autumn?	Why are babies				
		wonderful?		What comes out of		
				an egg?		
Кеу	All About Me	Dark and Light	Weather	Spring	Our Town Tyldesley	Out and About
Learning						
	Autumn	Celebrations	It's Cold	New Life		
EYFS	Seeks to acquire basic skills i	n turning on and operating sor	me ICT equipment.			
Statements						
	Operates mechanical toys, for	or example: turns the knob on	a windup toy or pulls back on	a friction car.		
	Knows how to operate simpl	e equipment, for example: tur	ns on a computer, clicks a mo	use and uses a remote contro	1.	
			_			
	Uses ICT hardware to interac	t with age appropriate compu	ter software.			

#### Long Term Plan for Computing <u>Reception</u>

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Кеу	What makes me	What is there to	How has Tyldesley	What are the secrets	What lives in the	Who are your favourite		
Questions	marvellous?	celebrate?	changed in 50 years?	of the garden?	blue planet?	story characters?		
Key Learning	All About Me	Celebrations	Tyldesley	Minibeasts/ growing	Under the sea	Once upon a time		
EYFS	Knows that information can be retrieved from a computer.							
Statements	Shows skill in making toys/technology work by pressing different parts or sifting flaps to achieve effects such as sounds, movements or new images.							
	Children recognise that a rar	nge of technology is used in pla	ices such as homes and schoo	Is They select and use technology	ogy for particular purposes.			
	Can complete a simple pictogram on a computer.							
	To use technology purposful	To use technology purposfully to complete different tasks using a mouse, kepboard and tablet.						

### 'Never settle for less than your best'

#### Long Term Plan for Computing

#### Year 1 and Year 2

	2025 – 2026						
-	Autumn 1	Autumn 2	Spring 1 Spring 2	Summer 1	Summer 2		
Key Questions	What is IT?	Do you have the power to create a slide?	Can you be the boss of the robot? Can you be a chase creator?	How do you capture a moment?	How can pictures represent data?		
Key Learning	Information Technlogy	Digital Literacy Microsoft PowerPoint	Computer Science	Digital Literacy	Information Technology		
National Curriculum objectives	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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 logical reasoning to predict the behaviour of simple programs. Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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.	Understand what algorithms are; how they a implemented as programs on digital devices; and th programs execute by following precise and unambiguo instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simp programs. Use technology safely and respectfully, keeping persor information private; identify where to go for help a support when they have concerns about content contact on the internet or other online technologies.	at purposefully to create, organise, store, manipulate and retrieve digital content. Use technology safely and respectfully, keeping personal information private; identify where to al go for help and support when they have concerns	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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.		

### Long Term Plan for Computing

#### Year 1 and Year 2

	2026 – 2027						
	Autumn 1	Autumn 2	Spring 1 Spring 1	Spring 2	Summer 1	Summer 2	
Кеу	How do I use the	How can you create the	Can you get with the progr	am?	Can I be a digital	How can I sort the data?	
Questions	technology around me?	Word?			composer?		
			How do we begin to Scrate	ch?			
Key	Information Technology	Digital Literacy	Computer Science		Information Technology	Computer Science	
Learning							
National	Use technology	Use logical reasoning to	Understand what algorithms are;	how they are	Use technology	Use technology	
Curriculum	purposefully to create,	predict the behaviour of	implemented as programs on digital o	levices; and that	purposefully to create,	purposefully to create,	
objectives	organise, store, manipulate	simple programs.	programs execute by following precise a	and unambiguous	organise, store, manipulate	organise, store, manipulate	
	and retrieve digital		instructions.		and retrieve digital content	and retrieve digital	
	content.	Use technology				content.	
		purposefully to create,	Create and debug simple programs.		Recognise common uses of		
	Recognise common uses of	organise, store, manipulate			information technology	Understand what	
	information technology	and retrieve digital	Use logical reasoning to predict the bel	naviour of simple	beyond school	algorithms are; how they	
	beyond school.	content.	programs.		Use technology safely and	are implemented as programs on digital	
	Use technology safely and	Recognise common uses of				programs on digital devices; and that programs	
	respectfully, keeping	information technology			respectfully, keeping personal information	execute by following	
	personal information	beyond school.			private; identify where to	precise and unambiguous	
	private; identify where to	Seyona senool.			go for help and support	instructions.	
	go for help and support	Use technology safely and			when they have concerns		
	when they have concerns	respectfully, keeping			about content or contact	Use logical reasoning to	
	about content or contact	personal information			on the internet or other	predict the behaviour of	
	on the internet or other	private; identify where to			online technologies.	simple programs.	
	online technologies.	go for help and support					
		when they have concerns					
		about content or contact					
		on the internet or other					
		online technologies.					

### Long Term Plan for Computing

#### Year 3 and Year 4

	2025 – 2026						
	Autumn 1	Autumn 2	Spring 1 Spring 2	Summer 1	Summer 2		
Key Questions	How great is the internet?	How can a photo be changed?	How can a turtle make shapes? Are you the next Minecraft creator?	What information can be data logged?	Do you have the Power to create a slideshow?		
Key Learning	Information Technology	Digital Literacy	Computer Science	Information Technology	Digital Literacy Microsoft PowerPoint		
National Curriculum objectives	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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 logical reasoning to predict the behaviour of simple programs. Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs. 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 sequence, selection, and repetition in programs; work with variables and various forms of input and output.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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 search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. 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	about content or contact on the internet or other online technologies.		Select, use and combine a variety of software (including internet services) on a range of digital devices to design	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support		

and create a range of		and create a range of	when they have concerns
programs, systems and		programs, systems and	about content or contact
content that accomplish		content that accomplish	on the internet or other
given goals, including		given goals, including	online technologies.
collecting, analysing,		collecting, analysing,	
evaluating and presenting		evaluating and presenting	
data and information.		data and information.	

## 'Never settle for less than your best'

#### Long Term Plan for Computing

#### Year 3 and Year 4

	2026 – 2027						
	Autumn 1	Autumn 2	Spring 1 Spring 2	Summer 1	Summer 2		
Key Questions	How are computers like a family?	How to you create the Word?	How do we continue to Scratch?	Where does the data go?	How can the picture move?		
Key Learning	Information Technology	Digital Literacy Microsoft Word	Computer Science Coding	Information Technology	Information Technology Digital Literacy		
National Curriculum objectives	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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 logical reasoning to predict the behaviour of simple programs. Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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.	Understand what algorithms are; how they implemented as programs on digital devices; and programs execute by following precise and unambig instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of si programs. Use technology safely and respectfully, keeping per information private; identify where to go for help support when they have concerns about contex contact on the internet or other online technologies Use sequence, selection, and repetition in progra work with variables and various forms of input output.	that purposefully to create, organise, store, manipulate and retrieve digital content. Understand computer networks including the internet; how they can provide multiple services, onal such as the world wide web; and the opportunities t or they offer for communication and collaboration. ams; and 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	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school. 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.		
				on the internet or other online technologies.			

#### Long Term Plan for Computing Year 5 and Year 6

	2025 – 2026						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Кеу	How does the data	How do you Excel?	What variable ge	ts changed?	What web page can you	Do you have the power to	
Questions	transfer?				create?	create the ultimate	
			Can you pass the mic	robit challenge?		slideshow?	
Кеу	Information Technology	Information Technology	Computer S	cience	Information Technology	Digital Literacy	
Learning							
		Digital Literacy				Microsoft PowerPoint	
National	Understand computer	Understand computer	Design, write and debug pr	ograms that accomplish	Understand computer	Use search technologies	
Curriculum	networks including the	networks including the	specific goals, including co	ontrolling or simulating	networks including the	effectively, appreciate how	
objectives	internet; how they can	internet; how they can	physical systems; solve proble	ms by decomposing them	internet; how they can	results are selected and	
	provide multiple services,	provide multiple services,	into smaller parts.		provide multiple services,	ranked, and be discerning	
	such as the world wide web;	such as the world wide web;			such as the world wide	in evaluating digital	
	and the opportunities they	and the opportunities they	Use sequence, selection, and	1 0 /	web; and the opportunities	content.	
	offer for communication	offer for communication	work with variables and var	ious forms of input and	they offer for		
	and collaboration.	and collaboration.	output.		communication and	Select, use and combine a	
					collaboration.	variety of software	
	Use search technologies	Select, use and combine a	Use logical reasoning to ex			(including internet	
	effectively, appreciate how	variety of software	algorithms work and to dete	ect and correct errors in	Use search technologies	services) on a range of	
	results are selected and	(including internet services)	algorithms and programs.		effectively, appreciate how	digital devices to design	
	ranked, and be discerning in	on a range of digital devices			results are selected and	and create a range of	
	evaluating digital content.	to design and create a range	Use technology safely, respe		ranked, and be discerning	programs, systems and	
		of programs, systems and	recognise acceptable/unaccep		in evaluating digital	content that accomplish	
	Select, use and combine a	content that accomplish	a range of ways to report cor	icerns about content and	content.	given goals, including	
	variety of software	given goals, including	contact.			collecting, analysing,	
	(including internet services)	collecting, analysing,			Select, use and combine a	evaluating and presenting	
	on a range of digital devices	evaluating and presenting			variety of software	data and information.	
	to design and create a range	data and information.			(including internet		
	of programs, systems and	Use technology safely,			services) on a range of		
	content that accomplish	respectfully and			digital devices to design	·	

given goals, including	responsibly; recognise	and create a range of
collecting, analysing,	acceptable/ unacceptable	programs, systems and
evaluating and presenting	behaviour; identify a range	content that accomplish
data and information.	of ways to report concerns	given goals, including
	about content and contact.	collecting, analysing,
Use technology safely,		evaluating and presenting
respectfully and		data and information.
responsibly; recognise		Use technology safely,
acceptable/unacceptable		respectfully and
behaviour; identify a range		responsibly; recognise
of ways to report concerns		acceptable/unacceptable
about content and contact.		behaviour; identify a range
		of ways to report concerns
		about content and contact.

## 'Never settle for less than your best'

## Long Term Plan for Computing

#### Year 5 and Year 6

	2026 – 2027						
	Autumn 1	Autumn 2	Spring 1 Spring 2	Summer 1	Summer 2		
Кеу	Do you know the power of	How much can you show	How does the cookie crumble?	How can a video	How does a flat file		
Questions	search?	about the Word?		be edited?	database work?		
			Are you the Quiz Master?				
Кеу	Information Technology	Digital Literacy	Computer Science	Digital Literacy	Information Technology		
Learning				Information Technology			
		Microsoft Word					
National	Understand computer	Use search technologies	Design, write and debug programs that accomplish	Use technology	Use technology		
Curriculum	networks including the	effectively, appreciate how	specific goals, including controlling or simulating physical	purposefully to create,	purposefully to create,		
objectives	internet; how they can	results are selected and	systems; solve problems by decomposing them into	organise, store, manipulate	organise, store, manipulate		
	provide multiple services,	ranked, and be discerning	smaller parts.	and retrieve digital	and retrieve digital		
	such as the world wide	in evaluating digital		content.	content.		
	web; and the opportunities they offer for	content.	Use sequence, selection, and repetition in programs; work with variables and various forms of input and	December common uses of	Understand computer		
	they offer for communication and	Select, use and combine a	•	Recognise common uses of information technology	Understand computer networks including the		
	collaboration.	variety of software	output.	beyond school.	internet; how they can		
		(including internet	Use logical reasoning to explain how some simple	beyond school.	provide multiple services,		
	Use search technologies	services) on a range of	algorithms work and to detect and correct errors in	Use technology safely and	such as the world wide		
	effectively, appreciate how	digital devices to design	algorithms and programs.	respectfully, keeping	web; and the opportunities		
	results are selected and	and create a range of		personal information	they offer for		
	ranked, and be discerning	programs, systems and	Use technology safely, respectfully and responsibly;	private; identify where to	communication and		
	in evaluating digital	content that accomplish	recognise acceptable/unacceptable behaviour; identify a	go for help and support	collaboration.		
	content.	given goals, including	range of ways to report concerns about content and	when they have concerns			
		collecting, analysing,	contact.	about content or contact	Use technology safely and		
	Select, use and combine a	evaluating and presenting		on the internet or other	respectfully, keeping		
	variety of software	data and information.		online technologies.	personal information		
	(including internet				private; identify where to		
	services) on a range of				go for help and support		
	digital devices to design				when they have concerns		
	and create a range of				about content or contact		

programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.		on the internet or other online technologies.
Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.		

## 'Never settle for less than your best'