St George's Central CE Primary School and Nursery

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

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Key	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?				
Key	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	ne ICT equipment.					
Statements	_							
	Operates mechanical toys, fo	or example: turns the knob on	a windup toy or pulls back on	a friction car.				
	l,, , , , , , , , , , , , , , , , , , ,							
	Knows how to operate simple equipment, for example: turns on a computer, clicks a mouse and uses a remote control.							
	Ligan ICT handware to interes		han aaftuurus					
	Uses ICT hardware to interact	t with age appropriate compu	ter software.					

St George's Central CE Primary School and Nursery

Long Term Plan for Computing Reception

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Key	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	aces such as homes and school	s They select and use technology	ogy for particular purposes.			
	Can complete a simple pictogram on a computer.							
	To use technology purposful	ly to complete different tasks	using a mouse, kepboard and	tablet.				

St George's Central CE Primary School and Nursery

Long Term Plan for Computing Year 1 and Year 2

			2023 – 2024			
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Key	What is IT?	Do you have the power to	Can you be the b	ooss of the robot?	How do you capture a	How can pictures
Questions		create a slide?			moment?	represent data?
			Can you be a	chase creator?		
Key	Information Technlogy	Digital Literacy	Compute	er Science	Digital Literacy	Information Technology
Learning						
		Microsoft PowerPoint				
National	Use technology	Use logical reasoning to	_	hms are; how they are	Use technology	Use technology
Curriculum	purposefully to create,	predict the behaviour of		on digital devices; and that	purposefully to create,	purposefully to create,
objectives	organise, store, manipulate	simple programs.	· -	ing precise and unambiguous	organise, store, manipulate	organise, store, manipulate
	and retrieve digital		instructions.		and retrieve digital	and retrieve digital
	content.	Use technology	Constant and delegation of the contract of the		content.	content.
	D	purposefully to create,	Create and debug simple pro	ograms.	Han to the state of the section	Danagaina ang managaina af
	Recognise common uses of information technology	organise, store, manipulate and retrieve digital	Use legical reasoning to pro	edict the behaviour of simple	Use technology safely and respectfully, keeping	Recognise common uses of
	information technology beyond school.	and retrieve digital content.	programs.	edict the behaviour of simple	respectfully, keeping personal information	information technology beyond school.
	beyond school.	content.	programs.		private; identify where to	beyond school.
	Use technology safely and	Recognise common uses of	Use technology safely and r	espectfully, keeping personal	go for help and support	Use technology safely and
	respectfully, keeping	information technology	j	y where to go for help and	when they have concerns	respectfully, keeping
	personal information	beyond school.	I	concerns about content or	about content or contact	personal information
	private; identify where to	,	contact on the internet or o		on the internet or other	private; identify where to
	go for help and support	Use technology safely and		_	online technologies.	go for help and support
	when they have concerns	respectfully, keeping				when they have concerns
	about content or contact	personal information			Use logical reasoning to	about content or contact
	on the internet or other	private; identify where to			predict the behaviour of	on the internet or other
	online technologies.	go for help and support			simple programs.	online technologies.
		when they have concerns				
		about content or contact				
		on the internet or other				
		online technologies.				

St George's Central CE Primary School and Nursery

Long Term Plan for Computing Year 1 and Year 2

			2024 – 2025		
	Autumn 1	Autumn 2	Spring 1 Spring 2	Summer 1	Summer 2
Key Questions	How do I use the technology around me?	How can you create the Word?	Can you get with the program? How do we begin to Scratch?	Can I be a digital composer?	How can I sort the data?
Key Learning	Information Technology	Digital Literacy	Computer Science	Information Technology	Computer Science
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 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 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 technology purposefully to create, organise, store, manipulate and retrieve digital content. Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Use logical reasoning to predict the behaviour of simple programs.

St George's Central CE Primary School and Nursery

Long Term Plan for Computing Year 3 and Year 4

			2023 – 2024			
	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		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 logical reasoning to predict the behaviour of simple programs. Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Understand what algorithm implemented as programs or programs execute by following instructions. Create and debug simple proguse logical reasoning to prediprograms.	n digital devices; and that g precise and unambiguous rams.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school.	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)
	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. Select, use and combine a variety of software (including internet services) on a range of	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 technology safely and resinformation private; identify support when they have contact on the internet or other. Use sequence, selection, and work with variables and varioutput.	where to go for help and neerns about content or er online technologies. d repetition in 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. Select, use and combine a variety of software (including internet services) on a range of	on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. Use technology safely and respectfully, keeping personal information

digital devices to design	digital	al devices to design	go for help and support
and create a range of	and c	create a range of	when they have concerns
programs, systems and	progra	rams, systems and	about content or contact
content that accomplish	conter	ent that accomplish	on the internet or other
given goals, including	given	n goals, including	online technologies.
collecting, analysing,	collect	cting, analysing,	
evaluating and presenting	evalua	uating and presenting	
data and information.	data a	and information.	

St George's Central CE Primary School and Nursery

Long Term Plan for Computing Year 3 and Year 4

			2024 – 2025			
	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 con	tinue to Scratch?	Where does the data go?	How can the picture move?
Key Learning	Information Technology	Digital Literacy Microsoft Word	•	er Science ding	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 algorit implemented as programs programs execute by follow instructions. Create and debug simple programs. Use logical reasoning to programs. Use technology safely and reinformation private; identifications support when they have contact on the internet or or use sequence, selection, as	hms are; how they are on digital devices; and that ing precise and unambiguous ograms. Edict the behaviour of simple espectfully, keeping personal by where to go for help and concerns about content or	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Use technology safely 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.	

St George's Central CE Primary School and Nursery

Long Term Plan for Computing Year 5 and Year 6

	2023 – 2024						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Key Questions	How does the data transfer?	How do you Excel?	What variable go Can you pass the mi	•	What web page can you create?	Do you have the power to create the ultimate slideshow?	
Key Learning	Information Technology	Information Technology Digital Literacy	Computer	Science	Information Technology	Digital Literacy Microsoft PowerPoint	
National Curriculum objectives	Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Use 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	Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. Use technology safely, respectfully and	Design, write and debug p specific goals, including c physical systems; solve proble into smaller parts. Use sequence, selection, and work with variables and varioutput. Use logical reasoning to exalgorithms work and to detalgorithms and programs. Use technology safely, respectognise acceptable/unacce a range of ways to report cocontact.	ontrolling or simulating ems by decomposing them decomposing them decomposing them decomposing them decomposition in programs; rious forms of input and explain how some simple ect and correct errors in ectfully and responsibly; ptable behaviour; identify	Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Use 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	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.	

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	responsibly; recognise	and create a range of
	acceptable/ unacceptable	
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.

St George's Central CE Primary School and Nursery

Long Term Plan for Computing Year 5 and Year 6

	2024 – 2025							
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Key Questions	Do you know the power of search?	How much can you show about the Word?	How does the co		How can a video be edited?	How does a flat file database work?		
Key Learning	Information Technology	Digital Literacy Microsoft Word	Computer Science		Digital Literacy Information Technology	Information Technology		
National Curriculum objectives	Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Use 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	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.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and 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.	Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration. Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns		

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