

St George's Central CE Primary School and Nursery

Progression in Computing

Knowledge – Computer Science				
Nursery	Reception	Year 1/Year 2	Year 3/Year 4	Year 5/Year 6
<p><u>2 – 3 year olds</u> N/A</p> <p><u>3 – 4 year olds</u></p> <ul style="list-style-type: none"> Explore how to use a computer/tablet. 	<ul style="list-style-type: none"> Log in to a computer programme using a 2 digit picture pin. 	<ul style="list-style-type: none"> Log in to a computer programme using a 4-digit picture pin. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs. Understand what algorithms are; how they are implemented as programs on digital devices and that programs execute by following precise and unambiguous instructions. 	<ul style="list-style-type: none"> Log in to a computer programme using a secure password. Begin to design, write and debug programs that accomplish specific goals including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To start to use sequence selection and repetition in programs; work with variables and various forms of input and output. Begin to use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. 	<ul style="list-style-type: none"> 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 code.
Knowledge – Information Technology				
Nursery	Reception	Year 1/Year 2	Year 3/Year 4	Year 5/Year 6
<p><u>2 – 3 year olds</u> N/A</p> <p><u>3 – 4 year olds</u> N/A</p>	<ul style="list-style-type: none"> To begin to use technology to create content 	<ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Recognise common uses of information technology beyond school 	<ul style="list-style-type: none"> Begin to 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. 	<ul style="list-style-type: none"> Understand computer networks the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.

'Never settle for less than your best'

			<ul style="list-style-type: none"> To be able to select and combine a variety of some software including internet services on some 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. To use technology respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify some ways to report concerns about content and contact. 	<ul style="list-style-type: none"> 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.
Knowledge – Digital Literacy				
Nursery	Reception	Year 1/Year 2	Year 3/Year 4	Year 5/Year 6
<p><u>2 – 3 year olds</u> N/A</p> <p><u>3 – 4 year olds</u></p> <ul style="list-style-type: none"> Use a mouse/tablet to select different items and move them. 	<ul style="list-style-type: none"> Use a mouse/tablet to create simple pictures. To begin to use a keyboard to type simple words. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> To show some understanding of how to use technologies effectively, appreciate how results are selected and ranked and be discerning in evaluating digital content. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. 	<ul style="list-style-type: none"> 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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Jesus said, 'I am the light of the world. Whoever follows Me will not walk in darkness, but will have the light of life.' John 8:12