



Computing progression of skills at Stoke Park Infant School

	EYFS	Year 1	Year 2
<p>Computer Science</p> <p>NC:</p> <ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> • I can orally give clear and precise instructions • I can follow simple instructions in order • I can create a short sequence of instructions • I can begin to understand that an algorithm is a set of instructions to complete a task • I can make a programmable toy move 	<ul style="list-style-type: none"> • I can produce an algorithm that others can usually follow • I can read algorithms and usually predict the correct outcome • I can debug code to create a different outcome • I understand that an algorithm is a set of clear, precise instructions to complete a task 	<ul style="list-style-type: none"> • I can produce a sequence of precise algorithms that result in planned outcomes • I can program a short sequence of commands that result in a planned effect • I can design simple programs • I know that an algorithm written for a computer is called a program • I can test a simple program and debug appropriately
	<ul style="list-style-type: none"> • New vocabulary to be taught: <ul style="list-style-type: none"> - Instruction - Forward - Back - Turn - Clear - Go 	<ul style="list-style-type: none"> • New vocabulary to be taught: <ul style="list-style-type: none"> - Algorithm - Bug - Coding - Debug - Outcome - Predict - Program 	<ul style="list-style-type: none"> • New vocabulary to be taught: <ul style="list-style-type: none"> - Action - Code block - Command - Input - Output - Symbols
<p>Information Technology</p> <p>NC:</p> <ul style="list-style-type: none"> - Use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<ul style="list-style-type: none"> • I can start an iPad and enter the iPad password • I can turn a Bee-Bot on and off and its sound on and off • I can take a photo on digital camera • I can use letters on a keyboard to type my name • I can make choices on-screen about buttons and icons to select 	<ul style="list-style-type: none"> • I can switch a computer on and log in using my own username and password • I can begin to type simple sentences using a keyboard • I can use the space bar, caps lock/shift key, back space/delete and full stop keys appropriately • I can use a mouse to point, click and drag objects around a screen • I can use the mouse to select icons and items 	<ul style="list-style-type: none"> • I can type sentences using a keyboard • I can reformat text • I can begin to use short cuts on the keyboard e.g. hold down the shift key and number 3 to get a £_sign • I can use a mouse to make selections and move objects • I can save, print and open work • I can write and send a simple email • I can to use a variety of software tools



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	<ul style="list-style-type: none"> • I can log in to Purple Mash using my own username and password • I can use digital equipment to play and learn • I can use simple software and tools to make something planned happen 	<ul style="list-style-type: none"> • I can use the mouse to drag, click and resize images to create different effects • I can print work • I can save work, naming a file appropriately • I can begin to use a variety of software tools 	
	<ul style="list-style-type: none"> • New vocabulary to be taught: <ul style="list-style-type: none"> - iPad - app - select - Photograph - Keyboard - Type - Username - Password 	<ul style="list-style-type: none"> • New vocabulary to be taught: <ul style="list-style-type: none"> - Switch on/shut down - click and drag - Resizing - Log in - Log out - Save - hardware - software - mouse - screen - image - print - file 	<ul style="list-style-type: none"> • New vocabulary to be taught: <ul style="list-style-type: none"> - Delete - Symbols - Undo - Redo - Bold - Italics - Underline - Font - Select - Format
<p>Digital Literacy NC:</p> <ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> • I know the difference between objects that use technology and those that do not • I can talk about the technology that I use in school and at home • I can use technology safely • I know who to speak to, whether at home or at school, if I have concerns or are worried by something that I have seen on a computer 	<ul style="list-style-type: none"> • I can recognise common uses of information technology beyond school • I understand the importance of keeping private information, such as my usernames and passwords private, and actively demonstrate this in lessons • I can search and download images from the internet safely 	<ul style="list-style-type: none"> • I can confidently talk about the importance of being sensitive to others online. • I know where to go for help and support when I have concerns about content or contact on the internet or other online technologies • I can effectively retrieve relevant, purposeful digital content using a search engine



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<p>concerns about content or contact on the internet or other online technologies</p>	<ul style="list-style-type: none">• I know that information about me such as my name, age and address should only be shared with people that I know and trusted strangers, such as policemen	<ul style="list-style-type: none">• I know what to do if I come across something online that worries me or makes me feel uncomfortable	<ul style="list-style-type: none">• I understand the implications of inappropriate online searches• I am beginning to understand how things are shared electronically
	<ul style="list-style-type: none">• New vocabulary to be taught:<ul style="list-style-type: none">- Technology- Information	<ul style="list-style-type: none">• New vocabulary to be taught:<ul style="list-style-type: none">- Internet- Search- Filter- Search Engine	<ul style="list-style-type: none">• New vocabulary to be taught:<ul style="list-style-type: none">- Digital- Digital content- Digital footprint- Website- Keywords- Cyberbullying- Email- electronically- RE:- Subject- Inbox- Attachment