

# St John's Primary School – Computing Long Term Plan

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn Term	<p><b>Online Safety &amp; Logging in.</b></p> <ul style="list-style-type: none"> <li>Use technology safely, keeping personal information private.</li> </ul> <p><b>Technology outside the classroom</b></p> <ul style="list-style-type: none"> <li>Recognise common uses of information technology beyond school</li> </ul> <p><b>Pictograms</b></p> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise and retrieve digital content.</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>To understand what algorithms are and how they are implemented as programs on digital devices</li> <li>To create and debug simple programs</li> <li>To use logical reasoning to predict the behaviour of simple programs</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>To write and debug programs that accomplish specific goals</li> <li>To use sequence, selection and repetition in programs.</li> <li>To use logical reasoning to explain how some simple algorithms work and detect and correct errors.</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>To write and debug programs that accomplish specific goals including controlling physical systems</li> <li>To work with variables and various forms of input</li> <li>To use logical reasoning to explain how some simple algorithms work and detect and correct errors.</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>To design, write and debug programs that accomplish specific goals including controlling and simulating physical systems and solving problems by decomposing them into smaller parts.</li> <li>To work with variables and various forms of output</li> <li>To use logical reasoning to explain how some simple algorithms work and detect and correct errors in algorithms.</li> </ul>	<p><b>Coding</b></p> <ul style="list-style-type: none"> <li>To write and debug programs that accomplish specific goals including controlling and simulating physical systems and solving problems by decomposing them into smaller parts.</li> <li>To work with variables and various forms of input and output</li> <li>To use logical reasoning to explain how some simple algorithms work and detect and correct errors in algorithms and programs.</li> </ul>

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Spring Term	<b>Coding</b> <ul style="list-style-type: none"> <li>Understand programs execute by following precise and unambiguous instructions</li> <li>Create simple programs</li> </ul>	<b>Online Safety</b> <ul style="list-style-type: none"> <li>Use technology safely, keeping private information private and identify where to go for help and support when they have concerns about content online.</li> </ul> <b>Making Music &amp; Presenting ideas</b> <ul style="list-style-type: none"> <li>Use technologies to create digital content</li> <li>Recognise common uses of information technology beyond school</li> </ul>	<b>Online Safety</b> <ul style="list-style-type: none"> <li>Use technology safely, respectfully and responsibly; recognise acceptable and unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> </ul> <b>Emails</b> <ul style="list-style-type: none"> <li>To understand the communication opportunities through the world wide web.</li> </ul>	<b>Online Safety</b> <ul style="list-style-type: none"> <li>Use technology safely, respectfully and responsibly; recognise acceptable and unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> </ul> <b>Making music &amp; Stop motion animation</b> <ul style="list-style-type: none"> <li>Use and combine a variety of software to design and create a range of programs that accomplishes a given goal.</li> </ul>	<b>Online Safety</b> <ul style="list-style-type: none"> <li>Use technology safely, respectfully and responsibly; recognise acceptable and unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> <li>Appreciate how results are selected and ranked, be discerning in evaluating digital content.</li> </ul> <b>3D modelling &amp; 3D game design</b> <ul style="list-style-type: none"> <li>Use and combine a variety of software to design and create a range of programs that accomplishes a given goal.</li> </ul>	<b>Online Safety</b> <ul style="list-style-type: none"> <li>Use technology safely, respectfully and responsibly; recognise acceptable and unacceptable behaviour; identify a range of ways to report concerns about content and contact.</li> </ul> <b>Blogging</b> <ul style="list-style-type: none"> <li>To understand the communication and collaboration opportunities through the world wide web.</li> </ul> <b>Text adventures</b> <ul style="list-style-type: none"> <li>Select, use and combine a variety of software to design and create a range of programs that accomplishes a given goal.</li> </ul>

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Summer Term	<b>Animations</b> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise and retrieve digital content</li> </ul>	<b>Spreadsheets</b> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</li> </ul>	<b>Presenting Ideas</b> Word, PPT, Excel <ul style="list-style-type: none"> <li>Use a variety of software on a range of digital devices to create a range of systems and content that accomplish given goals, including collecting and presenting data and information</li> </ul>	<b>Presenting Ideas</b> Word, PPT, Excel <ul style="list-style-type: none"> <li>Select and use a variety of software on a range of digital devices to create a range of systems and content that accomplish given goals, including collecting, analysing and presenting data and information</li> <li>Understand computer networks including the internet, how they provide multiple services such as the WWW</li> </ul>	<b>Presenting Ideas</b> Word, PPT, Excel <ul style="list-style-type: none"> <li>Select, use and combine a variety of software on a range of digital devices to create a range of systems and content that accomplish given goals, including collecting, analysing and presenting data and information</li> </ul>	<b>Presenting Ideas</b> Word, PPT, Excel <ul style="list-style-type: none"> <li>Select, use and combine a variety of software on a range of digital devices to create a range of systems and content that accomplish given goals, including collecting, analysing, presenting and evaluating data and information</li> </ul>

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