



# St Bartholomew's C of E Primary School

## Computing Curriculum Overview



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Reception</b>	<p><b>Who am I and where do I belong?</b> Electronic toys (xmas), talking tins, cameras, light boxes, laptops, toy tablets</p> <ul style="list-style-type: none"> <li>Remember rules without an adult to remind them.</li> <li>Match their developing physical skills to tasks and activities in the setting.               <ul style="list-style-type: none"> <li>Explore how things work.</li> </ul> </li> </ul>		<p><b>Where do I go and how do I get there?</b> Torches, metal detectors, walkie talkie, laptops, toy tablets</p> <ul style="list-style-type: none"> <li>Show resilience and perseverance in the face of challenge.</li> <li>Know and talk about factor that support their health and wellbeing (screen time)</li> <li>Explore, use and refine a variety of artistic effects to express their ideas and feelings.</li> </ul>		<p><b>What can I see and how does it change?</b> Beebots, remote control items, laptops, toy tablets, Ipad lessons</p> <ul style="list-style-type: none"> <li>Be confident to try new activities and show independence, resilience and perseverance in the face of challenge.</li> <li>Explain the reasons for rules, know right from wrong and try to behave accordingly.</li> <li>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</li> </ul>	
	<p>Although computing is not discreetly taught through EYFS the understanding of switches and how things work, the use of electronics to communicate, the idea of pressing buttons to make things move, taking photographs, toy tablets to match their phonic knowledge are all building block of learning they need to understand before they begin the computing curriculum in year 1.</p>					
<b>Year 1</b>	<p><b>Getting to know your computer</b> Digital Literacy</p>	<p><b>Beginning to type</b> Tux typing</p>	<p><b>We are treasure hunters</b> Computer Science: Coding BeeBots</p>	<p><b>Let's type</b> Computer/Word processing Skills</p>	<p><b>We are rhythmic</b> Information Technology: Media GarageBand/ ScratchJr</p>	<p><b>We are digital artists</b> Digital Literacy: Online safety Tux Paint</p>
<b>Year 2</b>	<p><b>All about me</b> Digital Literacy Word</p>	<p><b>We are astronauts</b> Computer Science: Coding Scratch</p>	<p><b>We are photographers</b> Information Technology: Media IPad camera/ Editing tools</p>	<p><b>London</b> Digital Literacy PowerPoint</p>	<p><b>We are animators</b> Information Technology: Media Stop motion studio</p>	<p><b>We are safe researchers</b> Digital Literacy: Online safety PowerPoint</p>
<b>Year 3/ Year 4</b>	<p><b>Victorians</b> Digital Literacy Word</p>	<p><b>We are software developers</b> Computer Science: Coding Scratch</p>	<p><b>We are meteorologists</b> Information Technology: Data Excel/ PowerPoint/ Data loggers</p>	<p><b>We are musicians</b> Information Technology: Media GarageBand</p>	<p><b>We are bloggers</b> Digital Literacy: Online safety Word press</p>	<p><b>We are makers</b> Computer Science: Coding Micro:bit</p>
<b>Year 5 / Year 6</b>	<p><b>We are game developers</b> Computer Science: Coding Scratch</p>		<p><b>We are cryptographers</b> Computer Science: Coding Scratch</p>		<p><b>We are adventure gamers</b> Information Technology: Media PowerPoint <b>We are VR designers</b> Information Technology: Data GarageBand</p>	

Word Processing and Digital Literacy overview

	Year 1 and 2	Year 3 and 4	Year 5 and 6
All children should be able to...	<ul style="list-style-type: none"> <li>Type with two hands.</li> <li>Use shift, space and enter correctly.</li> <li>Use undo and redo.</li> <li>Make text bold, italic or underline.</li> </ul>	<ul style="list-style-type: none"> <li>Use undo and redo.</li> <li>Make text bold, italic or underline.</li> <li>Select text in different ways.</li> <li>Change case.</li> <li>Align text.</li> </ul>	<ul style="list-style-type: none"> <li>select, edit and manipulate text in different ways;</li> <li>insert an image into a document;</li> <li>format an image;</li> <li>use formatting tools to improve the layout;</li> <li>use the spellcheck tool;</li> <li>insert a simple table;</li> <li>change the size of the page.</li> <li>change the layout by using the column tool;</li> <li>change the orientation of the page;</li> <li>copy the URL that they need.</li> </ul>
Most children will be able to...	<ul style="list-style-type: none"> <li>Save and retrieve their work in their folder.</li> <li>Edit text using backspace, delete and the arrow keys.</li> <li>Format the font.</li> <li>Select single words.</li> </ul>	<ul style="list-style-type: none"> <li>Select single words.</li> <li>Cut, copy and paste text.</li> <li>Format the font.</li> <li>Insert images.</li> <li>Copy a screenshot into another application.</li> <li>Use a secure password.</li> <li>Use &lt;ctrl&gt; keyboard shortcuts.</li> </ul>	<ul style="list-style-type: none"> <li>use some of the main keyboard shortcuts;</li> <li>suggest ways to improve a layout;</li> <li>apply specific effects to an image;</li> <li>add a spelling to the spelling dictionary;</li> <li>add or delete rows or columns in a table;</li> <li>suggest ways to change a table;</li> <li>type at an appropriate speed;</li> <li>choose a relevant website to link a document to;</li> <li>create a hyperlink.</li> </ul>
Some children will be able to...	<ul style="list-style-type: none"> <li>Have some knowledge of the location of letters and symbols on the keyboard.</li> <li>Select text in different ways.</li> </ul>	<ul style="list-style-type: none"> <li>Select text in different ways.</li> <li>Format images.</li> <li>Use an effective layout.</li> <li>Use the Snipping Tool.</li> <li>Use bullets and numbering effectively.</li> <li>Insert and format text boxes effectively.</li> </ul>	<ul style="list-style-type: none"> <li>change a homophone that is in the incorrect form;</li> <li>format the borders of the cells within a table;</li> <li>apply their knowledge of tools and techniques to improve the layout of a document;</li> <li>change the background colour of the page;</li> <li>format a hyperlink and find an appropriate place to insert it.</li> </ul>