



St Mary and St Paul's

Computing



Using the National Centre for Computing Education scheme of work.

<https://teachcomputing.org/curriculum>

	Autumn	Spring	Summer
Year 1	Technology around us (Paintz.app)	Moving a Robot (Beebot / Mousebot)	Grouping Data (PowerPoint)
Year 2	Digital (Photography)	Digital Music (Crome Music Lab)	Programming Quizzes (Scratch)
Year 3	Desktop Publishing (Publisher)	Stop Frame Animation (iMotion)	Events and Actions in Programs (Scratch)
Year 4	The Internet	Audio Production (Audacity)	Data Loggers (Data loggers)
Year 5	Systems and Searching	Fact File Database (J2Data Database)	Selection in quizzes (Scratch)
Year 6	Webpage Creation (Google Sites)	Variables in a game (Scratch)	3D Modelling (Tinkercad)

Where will we find Computing in our EYFS Curriculum?

<p>PSED Understanding Emotions (internet Safety)</p>	<p>Is more able to recognise the impact of their choices and behaviours/actions on others and knows that some actions and words can hurt others' feelings.</p>	<p>Talks about their own and others' feelings and behaviour and its consequences. Attempts to repair a relationship or situation, where they have caused upset and understands how their actions impact other people.</p>
<p>Communication and Language - Understanding</p>	<p>Showing understanding of prepositions such as under, on top, behind by carrying out an action or selecting correct picture.</p>	<p>Understands questions such as who; why; when; where and how?</p>
<p>Literacy -Writing</p>	<p>Showing interest in letters on a keyboard, identifying initial letters of their own name and familiar words.</p>	<p>Enjoys creating texts to communicate meaning for an increasingly wide range of purposes, such as making greetings cards, tickets, lists, invitations and creating their own stories and books with images and sometimes with words, in print and digital formats. Gives meaning to the marks they make as they draw, write, paint and type using a keyboard or touch-screen technology.</p>
<p>Literacy - Reading</p>	<p>Knowing information can be relayed through signs and symbols in various forms (digital screens, environmental print). Handles books and touch screen technology carefully and the correct way up with growing competence. Begins to navigate apps and websites on digital media using drop down menu to select websites and icons to select apps.</p>	<p>Enjoys an increasing range of print and digital books, both fiction and non-fiction. Knows that information can be retrieved from books, computers and mobile digital devices.</p>
<p>Mathematics - spacial awareness</p>	<p>Responding to and uses language of position and direction. Predicts, moves and rotates objects to fit the space or create the shape they would like.</p>	<p>Uses spatial language, including following and giving directions, using relative terms and describing what they see from different viewpoints. Investigates turning and flipping objects in order to make shapes fit and create models; predicting and visualising how they will look (spacial reasoning).</p>
<p>UTW - Technology</p>	<p>Knowing how to operate simple equipment e.g. turns on CD player, uses a remote control, can navigate touch-capable technology with support. Shows an interest in technological toys with knobs or pulleys, real objects such as cameras, and touchscreen devices such as mobile phones and tablets. Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new images. Knows that information can be retrieved from digital devices and the internet. Plays with a range of materials to learn cause and effect, for example, makes a string puppet using dowels and string to suspend the puppet.</p>	<p>Completes a simple program on electronic devices. Uses ICT hardware to interact with age appropriate computer software. Can create content such as a video recording, stories, and/or draw a picture on screen. Develops digital literacy skills by being able to access, understand and interact with a range of technologies. Can use the internet with adult supervision to find and retrieve information of interest to them.</p>