



# Christ the Sower Ecumenical Primary School

## Computing Curriculum Overview



### EYFS

		Autumn	Spring	Summer
<b>Online Safety and Digital Citizenship</b>		<u>How much time online?</u> <ul style="list-style-type: none"> <li>Keeping myself healthy online</li> <li>Taking care when using technology</li> </ul> <p>Webster's Bedtime by Hannah Whaley Dot by Randy Zuckerberg and Joe Berger</p>	<u>Being Kind Online</u> <ul style="list-style-type: none"> <li>Think about others</li> <li>Being a good friend</li> </ul> <p>Websters Friend by Hannah Whaley Webster's Manners by Hannah Whaley</p>	<u>Keeping Safe Online</u> <ul style="list-style-type: none"> <li>Who are my trusted adults?</li> <li>Saying no</li> </ul> <p>Webster's Email by Hannah Whaley Chicken Clicking by Jeanne Willis and Tony Ross</p>
<b>Computing</b>	<b>Curriculum Strand</b>	<u>Programming (Unplugged)</u>	<u>Creating Media</u>	<u>Computing Skills</u>
	<b>Unit Summary</b>	<ul style="list-style-type: none"> <li>Following instructions</li> <li>Giving instructions</li> <li>Sequencing instructions</li> <li>Solving problems</li> <li>Making predictions</li> </ul>	<ul style="list-style-type: none"> <li>Mark making using a tablet</li> <li>Making patterns</li> <li>Ordering numbers</li> <li>Taking photographs</li> </ul>	<ul style="list-style-type: none"> <li>Switching on a device</li> <li>Using a device safely</li> <li>Using a device for a purpose</li> </ul>

## Year 1

		Autumn	Spring	Summer
<b>Online Safety and Digital Citizenship</b>		<p><b><u>Introductory Song</u></b></p> <p>Media Balance</p> <p><i>How do we find a happy balance between our online and offline activities?</i></p> <p><a href="#">Links to EYFS Autumn – How much time online?</a></p>	<p><b><u>Media Balance and Well being</u></b></p> <p>Pause for People</p> <p><i>How do you say goodbye to technology when you don't want to?</i></p> <p><a href="#">Links to EYFS Autumn – How much time online?</a></p>	<p><b><u>Privacy and Security</u></b></p> <p>Safety in my Online neighbourhood</p> <p><i>How do you go places safely online?</i></p> <p><a href="#">Links to EYFS Summer – Keeping Safe Online</a></p>
<b>Computing</b>	<b>Curriculum Strand</b>	<b><u>Computing Systems and Networks</u></b>	<b><u>Creating Media</u></b>	<b><u>Programming</u></b>
	<b>Topic</b>	<b>Technology Around Us</b>	<b>Digital Writing</b>	<b>Programming Animations</b>
	<b>Unit Summary</b>	<p>Recognising technology in school and using it responsibly.</p> <p>Identifying IT and how its responsible use improves our world in school and beyond.</p> <p><a href="#">Links to EYFS Autumn and Spring Online Safety and Digital Citizenship</a></p>	<p>Using a computer to create and format text, before comparing to writing non-digitally.</p> <p><a href="#">Links to EYFS Spring – Creating Media and Computing Skills</a></p>	<p>Designing and programming the movement of a character on screen to tell stories.</p> <p><a href="#">Links to EYFS Autumn - Programming</a></p>

## Year 2

		Autumn	Spring	Summer
<b>Online Safety and Digital Citizenship</b>		<p><b><u>Introductory song</u></b></p> <p>Pause &amp; Think Online</p> <p><i>How can we be safe, responsible, and respectful online?</i></p>	<p><b><u>Media balance &amp; well-being</u></b></p> <p>How Technology Makes You Feel</p> <p><i>Why is it important to listen to your feelings when using technology?</i></p> <p><i>Links to Year 1 Spring – Pause for people</i></p>	<p><b><u>Privacy &amp; security</u></b></p> <p><u>Internet Traffic Light</u></p> <p><i>How do you stay safe when visiting a website or app?</i></p> <p><i>Links to Year 1 Summer– Safety online neighbourhood</i></p>
<b>Computing</b>	<b>Curriculum Strand</b>	<b><u>Data and Information</u></b>	<b><u>Creating Media</u></b>	<b><u>Programming</u></b>
	<b>Topic</b>	<b>Pictograms</b>	<b>Digital Photography</b>	<b>Robot Algorithms</b>
	<b>Unit Summary</b>	<p>Collecting data in tally charts and using attributes to organise and present data on a computer.</p> <p><i>Links to Year 1 – Technology Around Us and Digital Writing</i></p>	<p>Capturing and changing digital photographs for different purposes.</p> <p><i>Links to EYFS Spring – Creating Media and Year 1 – Technology Around Us</i></p>	<p>Writing short algorithms and programs for floor robots and predicting program outcomes.</p> <p>Creating and debugging programs and using logical reasoning to make predictions.</p> <p><i>Links to EYFS Autumn - Programming and Year 1 Summer – Programming Animations</i></p>

## Year 3

		Autumn	Spring	Summer
<b>Online Safety and Digital Citizenship</b>		<p><b><u>Introductory Song</u></b> We, the Digital Citizens: <i>How can we be good digital citizens?</i></p> <p><i>Recaps KS1 learning around being safe and responsible online.</i></p> <p><b><u>Privacy &amp; Security</u></b> That's Private! <i>What kinds of information should I keep to myself when I use the internet?</i></p> <p><i>Links to Year 3 Summer</i></p>	<p><b><u>Digital Footprint &amp; Identity</u></b> Digital Trails: <i>What information is OK to have in your digital footprint?</i></p> <p><i>This is an introduction which is built on in the second unit below;</i></p> <p><b><u>Relationships &amp; Communication</u></b> Who Is in Your Online Community? <i>How are we all part of an online community?</i></p>	<p><b><u>Cyberbullying, Digital Drama &amp; Hate Speech</u></b> <i>Putting a STOP to Online Meanness: What should you do if someone is mean to you online?</i></p> <p><i>Links to Year 3 Autumn - controlling online content about ourselves. .</i></p> <p><b><u>NEWS &amp; MEDIA LITERACY</u></b> Let's Give Credit! <i>How can you give credit for other people's work?</i></p>
<b>Computing</b>	<b>Curriculum Strand</b>	<b><u>Computing Systems and Networks</u></b>	<b><u>Creating Media</u></b>	<b><u>Programming B</u></b>
	<b>Topic</b>	<b>Connecting Computers and the Internet</b>	<b>Desktop Publishing</b>	<b>Events and Actions in Programs</b>
	<b>Unit Summary</b>	<p>Identifying that digital devices have inputs, processes, and outputs, and how devices can be connected to make networks.</p> <p>Recognising the internet is a network of networks including the WWW, and why we should evaluate online content.</p> <p><i>Links to Year 1 Autumn – Technology Around Us</i></p>	<p>Creating documents by modifying text, images, and page layouts for a specified purpose.</p> <p><i>Links to Year 1 Spring – Digital Writing, Year 2 Spring – Digital Photography</i></p>	<p>Writing algorithms and programs that use a range of events to trigger sequences of actions.</p> <p><i>Links to Year 1 Summer – Programming Algorithms and Year 2 Summer – Robot Algorithms</i></p>

## Year 4

		Autumn	Spring	Summer
<b>Online Safety and Digital Citizenship</b>		<p><b><u>Media Balance &amp; Well-Being</u></b> Your Rings of Responsibility: How do digital citizens take responsibility for themselves, their communities and their world?</p> <p><i>Links to Year 3 Spring – being a good online citizen</i></p> <p><b><u>Privacy &amp; Security</u></b> Password Power-Up: How can a strong password help protect your privacy?</p>	<p><b><u>Digital Footprint &amp; Identity</u></b> This Is Me: How does what I post online affect my identity?</p> <p><b><u>Relationships &amp; Communication</u></b> Our Digital Citizenship Pledge: What makes a strong online community?#</p> <p><i>Links to Year 3 Spring and Year 4 autumn – being a good online citizen</i></p>	<p><b><u>Cyberbullying, Digital Drama &amp; Hate Speech</u></b> The Power of Words: What should you do when someone uses mean or hurtful language on the internet?</p> <p><i>Links to Year 3 Autumn and summer - controlling online content about ourselves and being an upstander .</i></p> <p><b><u>NEWS &amp; MEDIA LITERACY</u></b> What is real on the Internet? Is Seeing Believing? Why do people alter digital photos and videos?</p>
<b>Computing</b>	<b>Curriculum Strand</b>	<b><u>Data and Information</u></b>	<b><u>Creating Media</u></b>	<b><u>Programming</u></b>
	<b>Topic</b>	<b>Branching Databases</b>	<b>Photo Editing</b>	<b>Repetition in Shapes and Games</b>
	<b>Unit Summary</b>	<p>Building and using branching databases to group objects using yes/no questions.</p> <p><i>Links to Year 2 Autumn – Pictograms</i></p>	<p>Manipulating digital images and reflecting on the impact of changes and whether the required purpose is fulfilled.</p> <p><i>Links to Year 2 Spring – Digital Photography</i></p>	<p>Using a text-based programming language to explore count-controlled loops when drawing shapes.</p> <p>Using a block-based programming language to explore count-controlled and infinite loops when creating a game.</p> <p><i>Links to Year 3 Summer – Events and Actions in Programs</i></p>

## Year 5

		Autumn	Spring	Summer
Computing		<p><b><u>Media Balance &amp; Well-Being</u></b> My Media Choices: <i>What makes a healthy media choice?</i></p> <p><i>Links to Year 4 autumn – rings of responsibility</i></p> <p><b><u>NEWS &amp; MEDIA LITERACY</u></b> A Creator's Rights and Responsibilities: <i>What rights and responsibilities do you have as a creator?</i></p> <p><i>Links to Year 3 Summer - giving credit</i></p>	<p><b><u>Privacy &amp; Security</u></b> Private and Personal Information: <i>What information about you is OK to share online?</i></p> <p><i>Links to Year 3 Spring – Digital trails</i></p> <p><b><u>Digital Footprint &amp; Identity</u></b> Our Online Tracks: <i>How does our online activity affect the digital footprints of ourselves and others?</i></p> <p><i>Links to Year 3 Spring – Digital trails</i></p>	<p><b><u>Relationships &amp; Communication</u></b> Keeping Games Fun and Friendly: <i>How can I help myself and others be positive and have fun while playing online games?</i></p> <p><i>Links to Year 3 Spring – My online community †</i></p> <p><b><u>Cyberbullying, Digital Drama &amp; Hate Speech</u></b> Be a Super Digital Citizen: <i>How can we be upstanders when we see cyberbullying?</i></p> <p><i>Links to Year 3 Autumn and summer - controlling online content about ourselves and being an upstander Links to Year 4 = power of words .</i></p>
		<p><b>Curriculum Strand</b></p> <p><b><u>Computing Systems and Networks</u></b></p>	<p><b>Creating Media</b></p>	<p><b>Programming A</b></p>
		<p><b>Topic</b></p> <p><b>Systems and Searching</b></p>	<p><b>Slideshow Presentations</b></p>	<p><b>Selection in Physical Computing</b></p>
	<p><b>Unit Summary</b></p> <p>Recognising IT systems in the world and how some can enable searching on the internet.</p> <p><i>Links to Year 3 Autumn – Connecting Computers and the Internet</i></p>	<p>Using a slideshow to present data/information in an effective and engaging manner.</p> <p><i>Links to Year 1 Spring – Digital Writing, Year 2 Spring – Digital Photography Year 3 Spring – Desktop Publishing and Year 4 Spring – Photo Editing</i></p>	<p>Exploring conditions and selection using a programmable microcontroller.</p> <p><i>Links to Year 3 Summer – Events and Actions in Programs and Year 4 Summer – Repetition in Shapes and Games</i></p>	

## Year 6

		Autumn	Spring	Summer
<b>Online Safety and Digital Citizenship</b>		<p><b><u>Media Balance &amp; Well-Being</u></b>            Finding My Media Balance:            What does media balance mean for me?</p> <p><i>Links to Year 3 Summer - giving credit</i></p> <p><b><u>Privacy &amp; Security</u></b>            You Won't Believe This!            What is clickbait and how can you avoid it?</p> <p><i>Links to Year 5 Spring – online information</i></p>	<p><b><u>Digital Footprint &amp; Identity</u></b>            Beyond Gender Stereotypes:            How do gender stereotypes shape our experiences online?</p> <p><i>Links to Year 3 Spring and Year 5 spring– Digital trails and online tracks</i></p> <p><b><u>Relationships &amp; Communication</u></b>            Digital Friendships:            How do you keep online friendships safe?</p> <p><i>Links to Year 3 Spring – My online community and year 5 keeping games friendly</i></p>	<p><b><u>Cyberbullying, Digital Drama &amp; Hate Speech</u></b>            Is It Cyberbullying?            What is cyberbullying and what can you do to stop it?</p> <p><i>Links to Year 3 Autumn and summer - controlling online content about ourselves and being an upstander Links to Year 4 = power of words and Year 5 upstanders and reporting abuse.</i></p>
		<p><b><u>Data and Information</u></b></p>	<p><b><u>Creating Media</u></b></p>	<p><b><u>Programming B</u></b></p>
		<p><b>Topic</b></p>	<p><b>Spreadsheets</b></p>	<p><b>Webpage Creation</b></p>
<p><b>Computing</b></p>	<p><b>Unit Summary</b></p>	<p>Answering questions by using spreadsheets to organise and calculate data.</p> <p><i>Links to Year 4 Autumn – Branching Databases</i></p>	<p>Designing and creating webpages, giving consideration to copyright, aesthetics, and navigation.</p> <p><i>Links to Year 1 Spring – Digital Writing, Year 2 Spring – Digital Photography Year 3 Spring – Desktop Publishing Year 4 Spring – Photo Editing Year 5 – Slideshow Presentations</i></p>	<p>Exploring and designing and coding a project that captures inputs from a physical device.</p> <p><i>Links to Year 3 Summer – Events and Actions in Programs, Year 4 Summer – Repetition in Shapes and Games and Year 5 Selection in Physical Computing</i></p>

