



## Computing Long Term Plan 2025/2026- Cycle 1

<b>CYCLE 1</b>	<b>Sparrows Year R</b>	<b>Doves Year 1/2</b>	<b>Robins Year 3/4</b>	<b>Kingfishers Year 5/6</b>
<b>Autumn 1</b>	<p><b>Year R</b>  <b>Creating Media</b>            ELG links: Communication &amp; Language, Physical Development, Expressive Arts &amp; Design            Fine Motor skills/ EAD- use Active Inspire to draw people with and work through paint projects linked to topic.            Use a computer to paint and draw            Use tools to rub out mistakes, change colour of paint  <b>E-Safety</b> - Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</p>	<p>Topic Title: <b>Technology Around Us</b></p> <p><b>Computing Systems and Networks</b>            Data &amp; Information            Programing            Creating Media</p> <p>Computer hardware- looking at keyboards etc</p>	<p>Topic Title: <b>The Internet</b></p> <p><b>Computing Systems and Networks</b>            Data &amp; Information            Programing            Creating Media</p> <p>The Internet – Chrome Music Lab (free online)</p>	<p>Topic Title: <b>Systems and Searching (Sharing Information)</b></p> <p><b>Computing Systems and Networks</b>            Data &amp; Information            Programing            Creating Media</p> <p>The Internet- Search Engines</p>
<b>Autumn 2</b>	<p><b>Year R -</b>            ELG links: Communication &amp; Language, Physical Development, Expressive Arts &amp; Design</p> <p><b>Online safety</b>            Smartie the Penguin -            - I can recognise that I can say ‘no’ ‘please stop’ / ‘I’ll tell’ / ‘I’ll ask’ to somebody who asks me to do something that makes me feel sad, embarrassed or upset.            - I can explain how this could be either in real life or online.</p> <p><b>Online relationships</b>            -I can give examples of how I (might) use technology to communicate with people I know.</p> <p><b>Privacy and security</b>            -I can identify some simple examples of my personal information (e.g. name, address, birthday, age, location).            -I can describe the people I can trust and can share this with; I can explain why I can trust them</p> <p><b>Health, wellbeing and lifestyle</b>            -I can identify rules that help keep us safe and healthy in and beyond the home when using technology.            -I can give some simple examples</p>	<p>Topic Title: <b>Grouping Data</b></p> <p>Computer Systems and Networks  <b>Data &amp; Information</b>            Programing            Creating Media</p> <p>A data programme: 2 count</p>	<p>Topic Title: <b>Data Logging</b></p> <p>Computing Systems and Networks  <b>Data &amp; Information</b>            Programing            Creating Media</p> <p>Data loggers</p>	<p>Topic Title: <b>Flat-File Databases</b></p> <p>Procedural Knowledge:            Computing Systems and Networks  <b>Data &amp; Information</b>            Programing            Creating Media</p> <p>J2E Database</p>



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<b>Spring 1</b>	<p>Year R:</p> <p><b>Programming:</b> Begin to operate a remote control car Understand a remote control car needs to be given instructions (be programmed) Explore using remote control cars to enrich continuous provision</p>	<p><b>Year 1 – Topic Title: Programming Routes. Moving a Robot</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programming</b> <b>Creating Media</b> ELG links: Physical Development, Expressive Arts &amp; Design</p> <p><b>Beebot and BLUE BOT</b></p>	<p>Topic Title: <b>Audio Production</b></p> <p>Computing Systems and Networks Data &amp; Information Programming <b>Creating Media</b></p> <p><b>Speakers, headphones, Audacity (free)</b></p>	<p>Topic Title: <b>Selection in Quizzes</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programming</b> Creating Media</p> <p><b>Scratch – quizzes</b></p>
<b>Spring 2</b>	<p>Year R:</p> <p><b>Programming:</b> Begin to program Bee bots Understand a remote control car needs to be given instructions (be programmed) Explore using remote control cars to enrich continuous provision</p>	<p>Topic Title <b>Programming Animations</b></p> <p>Computer Systems and Networks Data &amp; Information <b>Programming</b> Creating Media</p> <p><b>Scratch Jr</b></p>	<p>Topic Title: <b>Photo Editing</b></p> <p>Computing Systems and Networks Data &amp; Information Programming <b>Creating Media</b></p> <p><b>Getpaint.net or befunky.com</b></p>	<p>Topic Title: <b>Selection (Physical computing)</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programming</b> Creating Media</p> <p><b>Crumble</b></p>
<b>Summer 1</b>	<p><b>Word processing</b></p> <p>Logging on Keyboard skills</p>	<p>Topic Title: <b>Creating Media -Digital Painting</b></p> <p><b>Computing Systems and Networks</b> Data &amp; Information Programming <b>Creating Media</b> ELG links: Physical Development, Expressive Arts &amp; Design</p> <p><b>A Paint programme</b></p>	<p>Topic Title: <b>Repetition in shapes</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programming</b> Creating Media</p> <p><b>LOGO</b></p>	<p>Topic Title: <b>Vector Graphics</b></p> <p>Computing Systems and Networks Data &amp; Information Programming <b>Creating Media</b></p> <p><b>Google Drawings app</b></p>
		<p>Topic Title: <b>Digital Writing</b></p> <p>Computer Systems and Networks Data &amp; Information Programming <b>Creating Media</b></p> <p><b>Microsoft Word</b></p>	<p>Topic Title: <b>Repetition in Games</b></p> <p>Procedural Knowledge: Computing Systems and Networks Data &amp; Information <b>Programming</b> Creating Media</p> <p><b>Scratch – make a game</b></p>	<p>Topic Title: <b>Video Production</b></p> <p>Computing Systems and Networks Data &amp; Information Programming <b>Creating Media</b></p> <p><b>Microsoft Video Editor, Laptops cameras</b></p>

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## Computing Long Term Plan 2025/2026- Cycle 1

<b>CYCLE 2</b>	<b>Sparrows</b>	<b>Doves (tbc)</b>	<b>Robins</b>	<b>Kingfishers</b>
<b>Autumn 1</b>	<p>Topic Title: <b>Digital Drawing – People</b></p> <p><b>Computing Systems and Networks</b> Data &amp; Information <b>Programing</b> <b>Creating Media</b> ELG links: Communication &amp; Language, Physical Development, Expressive Arts &amp; Design</p>	<p>Topic Title: <b>IT Around Us</b></p> <p><b>Computing Systems and Networks</b> Data &amp; Information Programing Creating Media</p> <p><b>Examples of IT</b></p>	<p>Topic Title: <b>Connecting Computers</b></p> <p><b>Computing Systems and Networks</b> Data &amp; Information Programing Creating Media</p> <p><b>Digital and non-digital devices</b></p>	<p>Topic Title: <b>Communication</b></p> <p><b>Computing Systems and Networks</b> Data &amp; Information Programing Creating Media</p> <p><b>Google Workspace for Education -School Google account</b></p>
<b>Autumn 2</b>	<p>Topic Title: <b>Digital drawing - Houses</b></p> <p>Computing Systems and Networks <b>Data &amp; Information</b> Programing <b>Creating Media</b> ELG links: Communication &amp; Language, Physical Development, Expressive Arts &amp; Design</p>	<p>Topic Title: <b>Digital Photography</b></p> <p>Computer Systems and Networks Data &amp; Information Programing <b>Creating Media</b></p> <p><b>Digital cameras Can use tablets</b></p>	<p>Topic Title: <b>Branching Databases</b></p> <p>Computing Systems and Networks <b>Data &amp; Information</b> Programing Creating Media</p> <p><b>J2e.com- Branch</b></p>	<p>Topic Title: <b>Variables in a Game</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programing</b> Creating Media</p> <p><b>Scratch – Making a game with variables</b></p>
<b>Spring 1</b>	<p>Topic Title: <b>Digital Painting – Castles</b></p> <p><b>Computing Systems and Networks</b> Data &amp; Information Programing <b>Creating Media</b> ELG links: Physical Development, Expressive Arts &amp; Design</p>	<p>Topic Title: <b>Digital Music</b></p> <p>Computer Systems and Networks Data &amp; Information Programing <b>Creating Media</b></p> <p><b>Chrome Lab</b></p>	<p>Topic Title: <b>Sequence in Music</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programing</b> Creating Media</p> <p><b>Scratch- make music (piano)</b></p>	<p>Topic Title: <b>Spreadsheets</b></p> <p>Computing Systems and Networks <b>Data &amp; Information</b> Programing Creating Media</p> <p><b>Excel</b></p>
<b>Spring 2</b>	<p>Topic Title: <b>Digital Painting – Dinosaurs</b></p> <p>Computing Systems and Networks <b>Data &amp; Information</b> Programing <b>Creating Media</b> ELG links: Physical Development, Expressive Arts &amp; Design</p>	<p>Topic Title: <b>Pictograms</b></p> <p>Computer Systems and Networks <b>Data &amp; Information</b> Programing Creating Media</p> <p><b>J2E data</b></p>	<p>Topic Title: <b>Events and Actions</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programing</b> Creating Media</p> <p><b>Scratch – moving a sprite</b></p>	<p>Topic Title: <b>Web Design</b></p> <p>Procedural Knowledge: Computing Systems and Networks Data &amp; Information Programing <b>Creating Media</b></p> <p><b>Google Sites</b></p>
<b>Summer 1</b>	<p>Topic Title: <b>Programming Routes</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programing</b> <b>Creating Media</b> ELG links: Physical Development, Expressive Arts &amp; Design</p>	<p>Topic Title: <b>Robot Algorithms</b></p> <p>Computer Systems and Networks Data &amp; Information <b>Programing</b> Creating Media</p> <p><b>Beebots</b></p>	<p>Topic Title: <b>Animation</b></p> <p>Computing Systems and Networks Data &amp; Information Programing <b>Creating Media</b></p> <p><b>Tablets – need more</b></p>	<p>Topic Title: <b>Sensing</b></p> <p>Computing Systems and Networks Data &amp; Information <b>Programing</b> Creating Media</p> <p><b>Micro:Bits</b></p>
<b>Summer 2</b>	<p>Topic Title: <b>Digital Painting - Colour</b></p> <p><b>Computing Systems and Networks</b> Data &amp; Information Programing <b>Creating Media</b> ELG links: Physical Development, Expressive Arts &amp; Design</p>	<p>Topic Title: <b>Quizzes</b></p> <p>Computer Systems and Networks Data &amp; Information <b>Programing</b> Creating Media</p> <p><b>Scratch Jr- but need more tablets</b></p>	<p>Topic Title: <b>Desktop Publishing</b></p> <p>Procedural Knowledge: Computing Systems and Networks Data &amp; Information Programing <b>Creating Media</b></p> <p><b>Adobe Spark</b></p>	<p>Topic Title: <b>3D Modelling</b></p> <p>Computing Systems and Networks Data &amp; Information Programing <b>Creating Media</b></p> <p><b>TinkerCAD</b></p>

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