



# The Federation of St Charles and St Mary's Catholic Primary Schools

## Computing Curriculum Map

### 2025-2026



Term	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	Safety Rules & AUP	Safety Rules & AUP	Safety Rules & AUP	Safety Rules & AUP	Safety Rules & AUP	Safety Rules & AUP
	<p><b>Computing systems and networks</b></p> <p>Learning how to login and navigate around a computer; developing mouse skills; learning how to drag, drop, click and control a cursor to create works of art</p> <p>Kapow-Improving mouse skills (3 lessons: 1-3)</p>	<p><b>Computing systems and networks 1</b></p> <p>Exploring what a computer is by identifying how inputs and outputs work and how computers are used in the wider world.</p> <p>Kapow-What is a computer? (3 lessons: 1, 2 and 5)</p>	<p><b>Computing systems and networks 1</b></p> <p>Learning what a network is and how devices communicate and share information.</p> <p>Kapow-Networks (3 lessons: 1, 3 and 5)</p>	<p><b>Computing systems and networks</b></p> <p>Exploring a range of collaborative tools.</p> <p>Kapow-Collaborative learning (Option 1: Google) (4 lessons: 1, 3, 4 and 5)</p>	<p><b>Computing systems and networks</b></p> <p>Learning about how page rank works and how to identify inaccurate information.</p> <p>Kapow-Search engines (4 lessons: 1-4 only)</p>	<p><b>Computing systems and networks</b></p> <p>Discovering the history of Bletchley and learning about code breaking</p> <p>Computing systems and networks Kapow-Bletchley Park (3 lessons: 1-3 only)</p>
	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety (2 lessons: 1 and 2)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety (2 lessons: 1 and 2)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety (2 lessons: 1 and 2)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety (2 lessons: 1 and 2)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety (3 lessons: 1, 2 and 3)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety (3 lessons: 1, 2 and 3)</p>

<b>Spring</b>	<p><b>Programming 1</b></p> <p>Identifying where algorithms, decomposition and debugging can be found in relatable, familiar contexts.</p> <p style="color: red;">Kapow- Algorithms unplugged</p> <p style="color: red;">(4 lessons: 1, 2, 4 and 5)</p>	<p><b>Programming 1</b></p> <p>Developing an understanding of; what algorithms are</p> <p style="color: red;">Kapow- Algorithms and debugging</p> <p style="color: red;">(4 lessons: 1, 2, 4 and 5)</p>	<p><b>Computing systems and networks 3</b></p> <p>Understanding how a computer works</p> <p style="color: red;">Kapow-Journey inside a computer</p> <p style="color: red;">(3 lessons: 1, 2 and 5)</p>	<p><b>Programming 1</b></p> <p>Revisiting the key features of the programme Scratch and beginning to use 'variables' in code scripts.</p> <p style="color: red;">Kapow- "New" Further coding with Scratch</p> <p style="color: red;">(3 lessons: -1,3 &amp; 4)</p>	<p><b>Creating media</b></p> <p>Creating animations</p> <p style="color: red;">Kapow-Stop motion animation</p> <p style="color: red;">(Option 1: Stop Motion Studio)</p> <p style="color: red;">(4 lessons: 1-4)</p>	<p><b>Computing systems and networks</b></p> <p>Exploring what AI is while also considering the ethical implications of AI and its potential to replace human roles.</p> <p style="color: red;">Kapow-Exploring AI</p> <p style="color: red;">(3 lessons 1,2 &amp; 5)</p>
	<p><b>Creating media</b></p> <p>Taking and editing photos, searching for and adding images to a project.</p> <p style="color: red;">Kapow-Digital imagery</p> <p style="color: red;">(3 lessons: 1-3)</p>	<p><b>Data Handling</b></p> <p>Learning how data is collected, used and displayed</p> <p style="color: red;">Kapow- International Space Station</p> <p style="color: red;">(3 lessons: 1, 3 and 5)</p>	<p><b>Creating media</b></p> <p>Developing digital video skills to create trailers, with special effects and transitions.</p> <p style="color: red;">Kapow-Video trailers</p> <p style="color: red;">(Option 1: Using devices other than iPads)</p> <p style="color: red;">(4 lessons: 1-4)</p>	<p><b>Data Handling</b></p> <p>Researching and storing data on spreadsheets</p> <p style="color: red;">Kapow- Investigating weather</p> <p style="color: red;">(3 lessons: 1, 3, and 4)</p>	<p><b>Programming</b></p> <p>Building-on programming and music skills to create different sounds</p> <p style="color: red;">Kapow- Programming "New" music</p> <p style="color: red;">(4 lessons: 2-5 only)</p>	<p><b>Programming</b></p> <p>Using the programming language 'Python' to create designs and art.</p> <p style="color: red;">Kapow-intro to Python</p> <p style="color: red;">(4 lessons: 1-4)</p>
	<p><b>Online Safety</b></p> <p>ESafety</p> <p style="color: red;">Kapow-online safety</p> <p style="color: red;">(1 lesson: 3)</p>					

<b>Summer</b>	<p><b>Programming 2</b></p> <p>Introducing programming through the use of a robot (Bee-Bot) and exploring its functions.</p> <p>Kapow-Bee-bot Option 2 Virtual Beebot</p> <p>(4 lessons: 1, 3, 4 and 5)</p>	<p><b>Programming 2</b></p> <p>Exploring what 'blocks' do' by carrying out an informative cycle of predict &gt; test &gt; review.</p> <p>Kapow-ScratchJr Option 2</p> <p>4 lessons: 1, 2, 4 and 5)</p>	<p><b>Programming</b></p> <p>Exploring the programme Scratch, following the predict &gt; test &gt; review cycle. Using 'loops' and programming an animation, story and game.</p> <p>Kapow-Programming: "New" Scratch</p> <p>((4 lessons: 1, 3, 4 and 5)</p>	<p><b>Programming 2</b></p> <p>Solving problems effectively using the four areas of abstraction, algorithm design, decomposition and pattern recognition.</p> <p>Kapow-"New"Computational thinking</p> <p>(4 lessons: 1-4 only)</p>	<p><b>Data Handling</b></p> <p>Learning about the Mars Rover, exploring how and why it transfers data including instructions</p> <p>Kapow-Mars Rover 1</p> <p>(3 lessons: 1, 2 and 4 only)</p>	<p><b>Data Handling</b></p> <p>Identifying how barcodes and QR codes work. Learning how infrared waves are used while recognising the uses of RFID.</p> <p>Kapow-Big data 1</p> <p>(4 lessons: 1, 3, 4 and 5)</p>
	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety</p> <p>(2 Lessons: 4 &amp; 5)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety</p> <p>(2 Lessons: 3 &amp; 4)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety</p> <p>(3 Lessons: 3, 4 &amp; 5)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety</p> <p>(3 Lessons: 3, 4 &amp; 5)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety</p> <p>(2 Lessons: 4 &amp; 5)</p>	<p><b>Online Safety</b></p> <p>ESafety</p> <p>Kapow-online safety</p> <p>(3 Lessons: 4, 5 and 6)</p>