

### Computing Coverage

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS *</b>	<p>In the Moment Planning means that where Computing is taught, it is developed from the interest of the individual children. The outcome of this teaching is documented by teachers and adults through observation and assessment 'in the moment'. ELG's-</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>					
<b>Year 1</b>	<ul style="list-style-type: none"> <li>• <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>• Online safety Unit 1.1 and part of safety week in September and exploring purple mash (4 weeks)</li> <li>• Technology outside of school PM unit 1.9 ( 2 weeks)</li> <li>• Using the internet safely to search.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Data Handling - Handling, collecting, sorting and presenting.</b></li> <li>• Grouping and sorting PM unit 1.2. Programs 2Quiz (2 weeks)</li> <li>• Pictograms PM unit 1.3. Program 2Count (3 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Programming</b></li> <li>• Creating and following instructions. PM unit 1.4 Lego builders. Programs 2DIY. (3 weeks )</li> <li>• Create and debug a set of instructions (algorithm). PM unit 1.5 Maze explorers. Program 2Go. (3 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Multimedia – combining text and graphics.</b></li> <li>• Animated story books PM unit 1.6. Program 2createastory. (6 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Programming</b></li> <li>• Coding PM unit 1.7 Programs 2code (6 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Data Handling- Spreadsheets</b></li> <li>• Spreadsheets PM unit 1.8. Program 2calculate (3 weeks).</li> </ul>
<b>Year 2</b>	<ul style="list-style-type: none"> <li>• <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>• Online safety PM unit 2.2. Various programs and part of safety week in September. (3 weeks)</li> <li>• Effective searching PM unit 2.5. (3 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Programming</b></li> <li>• Coding PM unit 2.1 Programs 2code (5 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Multimedia – combining text and graphics.</b></li> <li>• Creating a digital image/pictures – PM unit 2.6 Program 2paint. <b>IPad App?</b> (5 weeks)</li> </ul> <p>Note - Link to artists; Monet, Degas, Renoir, William Morris and Seurat</p>	<ul style="list-style-type: none"> <li>• <b>Unit: Multimedia – combining text and graphics.</b></li> <li>• Making music PM unit 2.7. Program 2Sequence. (3 weeks)</li> <li>• Presenting ideas PM unit 2.8 ( 4 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Data Handling- Handling, collecting, sorting and presenting.</b></li> <li>• Creating a binary tree. PM unit 2.4. Programs 2Question, 2Investigate. (5 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: : Data Handling- Spreadsheets</b></li> <li>• Spreadsheets PM unit 2.3. Program 2calculate (4 weeks).</li> </ul>
<b>Year 3</b>	<ul style="list-style-type: none"> <li>• <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>• Online safety PM unit 3.2. Various programs and part of safety week in September. (3 weeks)</li> <li>• Emailing safely PM unit 3.5. ( 6 weeks – note - will go over the half term)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Multimedia – combining text and graphics.</b></li> <li>• Touch typing PM unit 3.4 Program 2type (4 weeks).</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Multimedia – combining text and graphics</b></li> <li>• Simulations – PM unit 3.7 Programs 2simulate, 2Publish. (3 weeks)</li> <li>• Combining text and graphics. Programs Microsoft Power point. (3 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Programming</b></li> <li>• Coding PM unit 3.1 Programs 2code (6 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Data Handling- Spreadsheets and graphs</b></li> <li>• Spreadsheets. PM unit 3.3. Program 2Calculate. ( 3 weeks )</li> <li>• Creating graphs. PM unit 3.8. Program 2Graph. (3 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Unit: Data Handling- Handling, collecting, sorting and presenting.</b></li> <li>• Creating a branching database. PM unit 3.6. Program 2Question. (4 weeks)</li> </ul>

Year 4	<ul style="list-style-type: none"> <li>● <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>● Online safety PM unit 4.2. Various programs and part of safety week in September. (4 weeks)</li> <li>● Hardware investigators PM unit 4.8. (2 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>● Effective searching and using the internet safely. PM unit 4.7. Programs – internet browser. (3 weeks).</li> <li>● (NOTE – start writing for different audiences with Microsoft word)</li> <li>● Introduction to Artificial Intelligence PM unit 4.10</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Multimedia – combining text and graphics</b></li> <li>● Writing for different audiences – PM unit 4.4. Programs- Microsoft word, 2Email, 2Connect, 2DIY. (4 weeks)</li> <li>● Animation – PM unit 4.6. Program 2animate. (3 weeks)</li> </ul> <p>Links to Links to new reports and community campaigns</p>	<ul style="list-style-type: none"> <li>● <b>Unit: Data Handling- Spreadsheets</b></li> <li>● Spreadsheets PM unit 4.3. Program 2calculate (4 weeks).</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Programming</b></li> <li>● Coding PM unit 4.1 Programs 2code/ Scratch (6 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Programming</b></li> <li>● Logo PM unit 4.5 Programs Logo (4 weeks)</li> </ul>
Year 5	<ul style="list-style-type: none"> <li>● <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>● Online safety PM unit 5.2. Various programs and part of safety week in September. (4 weeks)</li> <li>● (Note: start multimedia unit)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Multimedia – combining text and graphics</b></li> <li>● Concept maps – PM unit 5.7 Program 2Connect Story Mode. (4 weeks)</li> <li>● Modelling – PM Unit 5.6 3D modelling. (4 weeks)</li> </ul> <p>Links to DT, buildings and 2d shape.</p>	<ul style="list-style-type: none"> <li>● <b>Unit: Programming</b></li> <li>● Coding PM unit 5.1 Programs 2code/ Kodu (6 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Programming</b></li> <li>● Game creator – PM unit 5.5 Programs 2DIY 3D (5 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Data Handling- Spreadsheets</b></li> <li>● Spreadsheets PM unit 5.3. Program Excel (6 weeks).</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Handling, collecting, sorting and presenting</b></li> <li>● Databases PM unit 5.4.. Programs- 2Question, 2Investigate. (4 weeks)</li> </ul>
Year 6	<ul style="list-style-type: none"> <li>● <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>● Online safety PM unit 6.2. Various programs and part of safety week in September. (2 weeks)</li> <li>● Networks. PM unit 6.6. Program 2Connect. (3 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Online Safety, the internet and technology in our lives.</b></li> <li>● Blogging. PM unit 6.4. Programs 2blog. (5 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Programming</b></li> <li>● Coding PM unit 6.1 Programs 2code/ Kodu (6 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Multimedia – combining text and graphics</b></li> <li>● Create a game / text adventures PM unit 6.5. Programs 2Code, 2Connect. (5 weeks)</li> <li>●</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Handling, collecting, sorting and presenting</b></li> <li>● Creating a quiz. Quizzing PM unit 6.7. (6 weeks)</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Unit: Handling- Spreadsheets</b></li> <li>● Spreadsheets PM unit 6.3. Program Excel (3 weeks).</li> <li>● Binary (optional unit) PM unit 6.8. (4 weeks).</li> </ul>