

## E.P. Collier Computing Overview 2023/2024

Predominant Area of Computing*		
<span style="color: red;">■</span> Computer Science	<span style="color: blue;">■</span> Information Technology	<span style="color: yellow;">■</span> Digital Literacy

\*Most units will include aspects of all strands.

	Term 1 Autumn 1 7 weeks	Term 2 Autumn 2 7weeks and 3 days	Term 3 Spring 1 5 weeks	Term 4 Spring 2 6 weeks	Terms 5 Summer 1 6 weeks	Term 6 Summer 2 7 weeks +3 days														
EYFS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"></td><td style="width: 15%; background-color: #0070C0; color: white;">Mouse and Trackpad Skills</td><td style="width: 15%; background-color: #0070C0; color: white;">Keyboard Skills</td><td style="width: 15%; background-color: #0070C0; color: white;">Drawing skills</td><td style="width: 15%; background-color: #FF0000; color: white;">Robots</td><td style="width: 15%; background-color: #0070C0; color: white;">Sounds</td><td style="width: 15%; background-color: #0070C0; color: white;">Photography</td></tr> <tr> <td></td><td style="background-color: #FFD700;">Technology Around Us</td><td style="background-color: #FFD700;">Hardware</td><td style="background-color: #FFD700;">Safety and Privacy</td><td style="background-color: #0070C0; color: white;">Quizzes</td><td style="background-color: #FFD700;">Using Purple Mash with an Individual Login</td><td></td></tr> </table> <p>Rather than a scheme with set lessons, the early years resources are designed to integrate into the day-to-day routine and set-up of an early years setting with opportunities for using Mini Mash or Purple Mash as part of the Early Years curriculum to support children in working towards early learning goals. In addition, there are units of suggested ideas that focus on computing skills specifically, that can also be provided as opportunities for learning as part of the topics in other areas to give children a sound basis to explore topics using technology and to be ready for progressing through the Computing curriculum. These are as follows and are designed to be integrated and linked to wider early years curriculum areas. These have been loosely classified into the three streams but there is overlap between all three streams.</p>							Mouse and Trackpad Skills	Keyboard Skills	Drawing skills	Robots	Sounds	Photography		Technology Around Us	Hardware	Safety and Privacy	Quizzes	Using Purple Mash with an Individual Login	
	Mouse and Trackpad Skills	Keyboard Skills	Drawing skills	Robots	Sounds	Photography														
	Technology Around Us	Hardware	Safety and Privacy	Quizzes	Using Purple Mash with an Individual Login															
1	<b>Unit 1.1</b> <span style="background-color: #FFD700;">Online Safety &amp; Exploring Purple Mash</span> <b>Unit 1.2</b> <span style="background-color: #FF0000; color: white;">Grouping &amp; Sorting</span>	<b>Unit 1.3</b> <span style="background-color: #0070C0; color: white;">Pictograms</span> <i>2count</i> <b>Unit 1.4</b> <span style="background-color: #FF0000; color: white;">Lego builders</span>	<b>Unit 1.6</b> <span style="background-color: #ADD8E6;">Animated story books</span> <i>2create a story</i>	<b>Unit 1.5</b> <span style="background-color: #FF0000; color: white;">Maze explorers</span> <i>2go</i>	<b>Unit 1.8</b> <span style="background-color: #0070C0; color: white;">Spreadsheets</span> <i>2calculate</i> <b>Unit 1.9</b> <span style="background-color: #FFD700;">Technology Outside School</span>	<b>Unit 1.7</b> <span style="background-color: #FF0000; color: white;">Coding</span> <i>2code</i>														
2	<b>Unit 2.1</b> <span style="background-color: #FF0000; color: white;">Coding</span> <i>2Code</i>	<b>Unit 2.2</b> <span style="background-color: #FFD700;">On-line safety</span>  <b>Unit 2.3</b> <span style="background-color: #0070C0; color: white;">Spreadsheets</span> <i>2Calculate</i>	<b>Unit 2.4</b> <span style="background-color: #0070C0; color: white;">Questioning</span> <i>2Question</i> <span style="background-color: #0070C0; color: white;">Investigate</span>	<b>Unit 2.5</b> <span style="background-color: #FFD700;">Effective Searching</span> <b>Unit 2.7</b> <span style="background-color: #0070C0; color: white;">Making music</span> <i>2Sequence</i>	<b>Unit 2.6</b> <span style="background-color: #0070C0; color: white;">Creating Pictures</span> <i>2PaintAPicture</i>	<b>Unit 2.8</b> <span style="background-color: #0070C0; color: white;">Presenting ideas</span>														

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3	<b>3.1</b> Coding 2code	<b>3.2</b> Online safety <b>3.3</b> Spreadsheets 2calculate	<b>Unit 3.4</b> Touch Typing 2Type	<b>Unit 3.5</b> Email (including email safety) 2Email	<b>Unit 3.6</b> Branching Databases 2Question <b>Unit 3.7</b> Simulations 2Simulate	<b>Unit 3.8</b> Graphing <b>Unit 3.9</b> Presenting PowerPoint or Google Slides
4	<b>4.1</b> Coding 2code	<b>4.2</b> Online Safety  <b>4.8</b> Hardware Investigators	<b>4.4</b> Writing for different audiences	<b>4.3</b> Spreadsheets 2Calculate	<b>4.6</b> Animation 2Animate <b>4.7</b> Effective Searching	<b>4.9</b> Making Music BusyBeats <b>4.5</b> Logo 2Logo <b>4.10</b> Introducing AI (Optional unit)
5	<b>5.1</b> Coding 2code	<b>5.2</b> Online safety <b>5.4</b> Databases 2investigate	<b>Unit 5.5</b> Game creator 2DIY 3D	<b>5.3</b> Spreadsheets 2Calculate	<b>5.6</b> 3D Modelling 2Design&Make <b>5.7</b> Concept Maps 2Connect	<b>5.8</b> Word Processing MS Word or Google Docs <b>5.9</b> External devices 2Code Purple Chip
6	<b>Unit 6.1</b> Coding 2code	<b>Unit 6.2</b> Online safety <b>Unit 6.4</b> Blogging 2Blog	<b>Unit 6.3</b> Spreadsheets 2Calculate	<b>6.7</b> Quizzing 2Quiz	<b>Unit 6.5</b> Text adventures  <b>Unit 6.6</b> Networks	<b>Unit 6.8</b> Understanding Binary <b>Unit 6.9</b> Spreadsheets ( with Microsoft Excel or Google sheets)