**Computing Overview 2023-2024 *Cycle A***

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| **Terms** | **Reception** | **Year 1 & Year 2** | **Year 3 & Year 4** | **Year 5 & Year 6** |
| **Autumn 1** | **General Computing Skills****Communication and Language****Expressive Arts****Literacy****Maths****Physical Development****PSED****Understanding the World** | 4 Weeks - Unit 1.1 Online Safety & Exploring Purple Mash3 Weeks - Unit 2.5 Effective Searching | 3 Weeks - Unit 3.2 Online safety2 Weeks - Unit 3.1 Coding1 Week – Unit 4.1 Coding | 2 Weeks - Unit 6.2 Online safety4 Weeks – Unit 5.1 Coding |
| **Autumn 2** | 2 Weeks - Unit 1.9 Technology outside school2 Weeks - Unit 1.2 Grouping & Sorting3 Weeks - Unit 1.4 Lego Builders | 1 Weeks - Unit 3.1 Coding2 Week – Unit 4.1 Coding | 3 Weeks – Unit 5.1 Coding1 Week – Unit 5.1 Coding3 Weeks - Unit 6.6 Networks |
| **Spring 1** | 5 Weeks - Unit 2.6 Creating Pictures | 3 Weeks - Unit 3.3 Spreadsheets3 Weeks – Unit 3.7 Simulations | 5 Weeks - Unit 6.3 Spreadsheets (Google Sheets) |
| **Spring 2** | 3 Weeks - Unit 1.8 Spreadsheets (Google Sheets)3 Weeks - Unit 1.7 Coding (Part 1) | 4 Weeks - Unit 3.4 Touch Typing2 Weeks - Unit 3.8 Graphing | 4 Weeks - Unit 6.4 Blogging2 Weeks - Unit 6.6 Networks |
| **Summer 1** | 3 Weeks - Unit 1.7 Coding (Part 2)1 Week - Unit 2.1 Coding (Part 1) | 6 Weeks - Unit 3.5 Email & Online Safety | 1 Week - Unit 6.6 Networks5 Weeks - Unit 6.5 Text Adventures |
| **Summer 2** | 4 Weeks - Unit 2.1 Coding (Part 2) | 4 Weeks - Unit 3.6 Branching Databases3 Weeks - Unit 3.7 Simulations | 6 Weeks - Unit 6.7 Quizzing |

**Computing Overview 2023-2024 *Cycle B***

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| **Terms** | **Reception** | **Year 1 & Year 2** | **Year 3 & Year 4** | **Year 5 & Year 6** |
| **Autumn 1** | **General Computing Skills****Communication and Language****Expressive Arts****Literacy****Maths****Physical Development****PSED****Understanding the World** | 4 Weeks - Unit 1.1 Online Safety & Exploring Purple Mash3 Weeks - Unit 1.5 Maze Explorers (BeeBots) | 4 Weeks - Unit 4.2 Online safety1 Week - Unit 3.1 Coding1 Week – Unit 4.1 Coding | 2 Weeks - Unit 6.2 Online safety3 Weeks – Unit 6.1 Coding1 Weeks – Unit 5.1 Coding |
| **Autumn 2** | 5 Weeks - Unit 2.4 Questioning3 Weeks Unit 2.2 Online Safety | 2 Week - Unit 3.1 Coding2 Week – Unit 4.1 Coding | 2 Weeks – Unit 6.1 Coding4 Weeks - Unit 6.4Blogging |
| **Spring 1** | 5 Weeks - Unit 1.6 Animated Story Books | 6 Weeks - Unit 4.3 Spreadsheets | 6 Weeks - Unit 6.9 Spreadsheets (Google Sheets) |
| **Spring 2** | 3 Weeks - Unit 2.7 Making Music3 Weeks - Unit 1.3 Pictograms | 6 Weeks - Unit 3.9 Presenting (Google Slides) | 5 Weeks - Unit 5.8 Word processing (Google Docs)1 Week - Unit 6.6 Networks |
| **Summer 1** | 4 Weeks - Unit 2.3 Spreadsheets | 4 Weeks - Unit 4.5 Logo2 Weeks - Unit 4.7 Effective Search | 6 Weeks - Unit 6.7 Quizzing  |
| **Summer 2** | 4 Weeks - Unit 2.8 Presenting Ideas | 3 Weeks - Unit 4.6 Animation2 Weeks - Unit 4.8 Hardware Investigators | 2 Weeks – Unit 6.6 Networks4 Weeks - Unit 6.4 Blogging |





**Reception Computing Overview**

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| **General Computing Skills**Mouse and Trackpad SkillsKeyboard SkillsDrawing SkillsRobotsSounds | PhotographyTechnology Around UsHardwareSafety and PrivacyQuizzes | **Expressive Arts**Being Imaginative and ExpressiveCreating with Materials |
| **Communication and Language**Listening, Attention and UnderstandingSpeaking | **Maths**NumberNumerical Patterns | **PSED**Building RelationshipsManaging SelfSelf-Regulation |
| **Literacy**Word ReadingWritingComprehension | **Physical Development**Fine Motor SkillsGross Motor Skills | **Understanding the World**People, Culture & CommunitiesPast & PresentThe Natural World |

**Teacher Support with Computing:**

Purple Mash self service CPD: <https://training.2simple.com/>

Book CPD Sessions: [https://www.purplemash.com/#tab/teachers[4]/app/cpd/ProfessionalDevelopmentCourses](https://www.purplemash.com/#tab/teachers%5B4%5D/app/cpd/ProfessionalDevelopmentCourses)

Purple Mash user guides for all Tools: <https://www.purplemash.com/#tab/teachers/guides_and_resources>

Purple Mash Teacher Videos: Example - <https://www.purplemash.com/#tab/teachers/guides_and_resources/computing_sow/computing_sow_y3/computing_sow_y3_3-3/computing_sow_year3_unit_3_3_lesson_1>

(A tutorial video on how to use the resources in a lesson and tips on how to use the tools when teaching. Only available for some units)

**Teaching in Lesson Support:**

Purple Mash Lesson Slides: Example - <https://www.purplemash.com/#tab/teachers/guides_and_resources/computing_sow/computing_sow_y3/computing_sow_y3_3-3/computing_sow_year3_unit_3_3_lesson_1>

(Use these in class but also to check ahead of time about what you will cover and how activities are completed.)

Recording of work to be saved on Purple Mash if done on Purple Mash.

Work done on Google to be saved to personal/ shared drive:

Year 3/4

Cycle B Google Slides

Year 5/6

Cycle A Google Sheets

Cycle B Google Sheets and Google Docs

**Computing Planning and Teaching Task List:**

1. Plan lessons using Purple Mash documents from their Computing Scheme of work.
2. Assign 2Dos for the lesson. (This can be done in advance and scheduled for later)
3. Check teacher understanding of the learning using the teacher videos if available for the lesson.
4. Check the slides for the lesson planned and edit to match your adapted lesson plan.
5. Deliver the lesson using the slides as a visual support and children's work saved under the 2Do set.