

Milestone 1**Computing Year 1/2 (Red Class)**

By the end of the year, pupils should have a 'Expected' understanding, whilst some will have a 'Deep' understanding.

	Basic:	Expected:	Deep:
Prior Learning / Experiences			
Know how to keep safe online			
Use technology during play and identify its purpose			
Computer skills (spans across all units)			
Turn on a laptop			
Login to a laptop user			
Use a mouse			
Open an internet browser			
Access a website (such as Purple Mash)			
Follow simple instructions to access online resources			
Information Technology			
Unit 1.1 - Exploring Purple Mash			
Save work to 'My Work' area and understand that this is their space			
Learn how to find saved work			
Create their own picture and add their name to it			
Start to add pictures and text to work			
Learn about the common icons used for Save, Print, Open, New			
Understand the importance of logging out			
Unit 1.3 - Pictograms			
Understand that data can be represented in picture format			
Contribute to a class pictogram			
Use a pictogram to record the results of an experiment			
Unit 1.6 - Animated Story Books			
Understand the differences between traditional books and e-books			
Explore the tools of 2Create a Story's My Simple Story level			
Save a page which has been created			
Add animation to a picture and save additional changes by overwriting the file			
Add a sound effect to a picture			
Add a voice recording to a picture			
Add created music to a picture			
Add a background to a story			
Independently create a story using all of the 2Create a Story tool			
Use the copy and paste feature to create additional pages			
Unit 1.8 - Spreadsheets			
Understand what a spreadsheet looks like			
Navigate around a spreadsheet and enter data			
Learn new vocabulary related to spreadsheets			
Add clipart images to a spreadsheet			
Use the 'move cell' and 'lock' tools			
Use the 'speak' and 'count' tools in 2Calculate to count items			

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Computer Science			
Unit 1.2 - Grouping and Sorting			
Sort items using a range of criteria			
Sort items on the computer using the 'Grouping' activities in Purple Mash			
Unit 1.4 - Lego Builders			
Understand the importance of following instructions			
Follow and create simple instructions on the computer			
Consider how the order of instructions affects the result			
Unit 1.5 - Maze Explorers			
Understand how to create and debug a set of instructions (algorithm)			
Change and extend the algorithm for an activity			
Unit 1.7 - Coding			
Understand what instructions are			
Understand that an algorithm is a set of instructions used to solve a problem or achieve an objective			
Predict what will happen when instructions are followed			
Understand that computer programs work by following instructions called code			
Use code to make a computer program.			
Understand what objects and actions are			
Understand what an event is			
Use an event to control an object			
Begin to understand how code executes when a program is run			
Understand what backgrounds and objects are			
Understand how to use the scale property			
Plan a computer program			
Make a computer program			
Digital Literacy / Online Safety			
Unit 1.1 - Online Safety / Exploring Purple Mash			
Login safely with their own login and understand why that is important			
Create their own avatar and understand what this is and how it is used			
Understand the idea of 'ownership' of their creative work			
Unit 1.9 - Technology Outside School			
Find and understand examples of where technology is used in the local community			
Record examples of technology outside school.			