

**NEW**

**purple  
mash**

## **Purple Mash Computing Scheme: Refreshed & Refined**

**Mixed Age Planning Information**

**Coming September 2025**



# Purple Mash Computing Scheme – Refreshed & Refined

Below is the new Long-Term Plan for the refreshed and refined Purple Mash Computing Scheme. It is a suggested plan for schools to follow based on 36 hours teaching a year. This document has been designed to support schools with mixed age classes consisting of:

- Years 1 & 2
- Years 3 & 4
- Years 5 & 6

The scheme has been refreshed and refined as part of 2Simple's drive to continually improve and provide quality resources, taking into account new guidelines and initiatives. The new scheme utilises new and improved Purple Mash tools and is reflective of ongoing feedback from teachers and pupils.

As before, the refined and refreshed scheme consists of teaching presentations, all resources and tools.

The current scheme will remain in its entirety until July 2026, giving you time to integrate the new scheme into your school.

Please note, the number inside the brackets at the end of each unit title represent the year group that unit is found in.

We understand that no two schools are the same. If you would like help in amending this plan to meet the needs of your school, please contact the education team at 2Simple by emailing [support@2simple.com](mailto:support@2simple.com).

## Year 1/2 (Cycle A)

Information Technology Computer Science Digital Literacy

Unit Title	Introduction to PM (1) *	Creative Computing (1) *	Creating Pictures (2) *	Spreadsheets (2)	Animated Stories (1)	Coding (1)	Coding (2)
Lessons	3	4	5	6	6	6	6
Online Safety - Delivered throughout the year using 2BeSafe - Being Safe in a Digital World							

## Year 1/2 (Cycle B)

Unit Title	Introduction to PM (1) *	Route Explorers (2) *	The Internet (2) *	Data Explorers (1) *	Questioning (2)	Making Beats (1)	Creating & Following Instructions (1)	Presenting Ideas (2)	Technology Around Us (1)
Lessons	3	4	4	6	4	4	3	4	4
Online Safety - Delivered throughout the year using 2BeSafe - Being Safe in a Digital World									

## Year 3/4 (Cycle A)

Unit Title	* Email (3)	* Unpacking Hardware & Software (4)	* Route Planners (3)	Effective Searching (4)	Coding (3/4 - See <a href="#">coding breakdown table below</a> )	Presentations (3) (Microsoft, Apple & Google)	Spreadsheets (3)
Lessons	6	4	5	4	6	5	6
Online Safety - Delivered throughout the year using 2BeSafe - Being Safe in a Digital World							

## Year 3/4 (Cycle B)

Unit Title	* Animation (4)	* Logo (4)	* Branching Databases (3)	Sound Stories (4)	Coding (3/4 - See <a href="#">coding breakdown table below</a> )	Composing Beats (4)	Touch Typing (3)	Introduction to AI (4)
Lessons	6	4	4	4	6	4	4	4
Online Safety - Delivered throughout the year using 2BeSafe - Being Safe in a Digital World								

Additional Units	Introduction to Purple Mash	micro:bit (3)	micro:bit (4)
Lessons	2	4	4

# Year 3/4 (Coding Breakdown)

Coding lessons from both year 3 and 4 have been grouped in cycles of related concepts that support progression in a mixed year class.

YEAR 3 & 4 - CYCLE A						
Title	Using Flowcharts	Using Timers	'if' statements	Coordinates	Code, Test and Debug	Design, Code, Test and Debug
Year and lesson number	Year 3 Lesson 1	Year 3 Lesson 2	Year 4 Lesson 2	Year 4 Lesson 3	Year 3 Lesson 4	Year 4 Lesson 1

YEAR 3 & 4 - CYCLE B						
Title	Using Repeat	Repeat Until and 'if/else' Statements	Number Variables	Design and Make an Interactive scene	Design and Make an Interactive scene	Making a Playable game
Year and lesson number	Year 3 Lesson 3	Year 4 Lesson 4	Year 4 Lesson 5	Year 3 Lesson 5	Year 3 Lesson 6	Year 4 Lesson 6

## Year 5/6 (Cycle A)

Unit Title	* Quizzing (5)	* Game Creator (5)	* Graphing (6)	Spreadsheets (6) <small>(Microsoft, Apple &amp; Google)</small>	Coding (5/6 - See <a href="#">coding breakdown table below</a> )	Word Processing (5) <small>(Microsoft, Apple &amp; Google)</small>	3D Modelling (6)
Lessons	5	5	4	6	6	6	4
Online Safety - Delivered throughout the year using 2BeSafe - Being Safe in a Digital World							

## Year 5/6 (Cycle B)

Unit Title	* Networks (6)	* Databases (5)	* Blogging (6)	Concept Maps (5)	Coding (5/6 - See <a href="#">coding breakdown table below</a> )	Introduction to Python (6)	Spreadsheets (5)	Data Detectives (6)
Lessons	4	4	4	4	6	4	6	4
Online Safety - Delivered throughout the year using 2BeSafe - Being Safe in a Digital World								

Additional Units	Introduction to Purple Mash	Coding: External Devices (5)	Binary (6)	micro:bit (5)	micro:bit (6)
Lessons	2	6	4	4	4

# Year 5/6 (Coding Breakdown)

Coding lessons from both year 5 and 6 have been grouped in cycles of related concepts that support progression in a mixed year class.

YEAR 5 & 6 - CYCLE A						
Title	Coding Efficiently	Simulating a physical system	Friction and Functions	Introducing Strings	Text Variable and Concatenation	User Input
Year and lesson number	Year 5 Lesson 1	Year 5 Lesson 2	Year 5 Lesson 5	Year 5 Lesson 5	Year 5 Lesson 6	Year 6 Lesson 5

YEAR 5 & 6 - CYCLE B						
Title	Designing and writing a more complex program	Designing and writing a more complex program	Decomposition and Abstraction	Using Functions	Flowcharts and control simulations	Text Adventure
Year and lesson number	Year 6 Lesson 1	Year 6 Lesson 2	Year 5 Lesson 3	Year 6 Lesson 3	Year 6 Lesson 4	Year 6 Lesson 6