purple mash

Purple Mash Computing Scheme: Refreshed & Refined

Mixed Age Planning Information

Coming September 2025

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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.

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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								

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Year 3/4 (Cycle A)

Unit Title	Email (3) *	Unpacking Hardware & Software (4) *	Route Planners (3) *	Effective Searching (4)	Coding (3/4 – See coding breakdown table below)	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 coding breakdown table below)	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

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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**

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Year 5/6 (Cycle A)

Unit Title	Quizzing (5) *	Game Creator (5) *	Graphing (6) *	Spreadsheets (6) (Microsoft, Apple & Google)	Coding (5/6 – See coding breakdown table below)	Word Processing (5) (Microsoft, Apple & Google)	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 coding breakdown table below)	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

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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

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