



Computing Scheme

Mixed Age Planning

(Example)

Purple Mash Computing Scheme – Mixed Age Planning

Below is an example long-term plan for the Purple Mash Computing Scheme. It is a **suggested** plan for schools to follow based on 36 hours of 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

Please note, that the number in the brackets at the end of each unit indicate the year group that unit is found within.

We understand that no two schools are the same.

The scheme is designed with flexibility in mind and can be used effectively in any mixed-age setting, regardless of mix.

We regularly work with schools to support them in mapping out mixed-age planning, and we are very happy to help with this.

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.

Need more support? Contact us:

Call: 020 8203 1781 | Email: support@2simple.com | Visit: help.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									

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Year 3/4 (Cycle A)

Information Technology Computer Science Digital Literacy

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	Timers	Selection	Coordinates	Nesting	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	Repeats	Looping Code	Number Variables	Design a Program	Coding a Program	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)

Information Technology Computer Science Digital Literacy

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	Datatypes	User Input	Code Comprehension and Debugging	Flowcharts and Control Simulations
Year and lesson number	Year 5 Lesson 1	Year 5 Lesson 2	Year 5 Lesson 5	Year 6 Lesson 3	Year 5 Lesson 6	Year 6 Lesson 4

YEAR 5 & 6 - CYCLE B						
Title	Using Cloning	Using Hotspots	Decomposition and Abstraction	Functions	Using Program Design Documents	Text - Based Adventure
Year and lesson number	Year 6 Lesson 1	Year 6 Lesson 2	Year 5 Lesson 3	Year 5 Lesson 4	Year 6 Lesson 5	Year 6 Lesson 6

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