

Computing Scheme of Work

Overview



Introduction

This document contains an overview of the units included in the Purple Mash Computing Scheme of Work for all year groups.

Individual year group overview documents detail the unit lessons for that year group and contain relevant curriculum maps for England, Wales, Scotland and Northern Ireland.

Year group pages also contain assessment documents for these units.

These can be found by clicking the following links or from the Purple Mash Computing Scheme of Work page.

Reception

Year 1

Year 2

Year 3

Year 4

Year 5

Year 6

Mixed Age Classes

To make the best use of the scheme children need to be logged onto Purple Mash with their own individual usernames and passwords so their work will be saved in their own folders automatically and can be easily reviewed and assessed by the class teacher. If children have not used and logged onto Purple Mash before then they will need to spend some time before starting these lessons, learning how to do this. Children can be supported by having their printed logon cards (produced using Create and Manage Users) to hand.

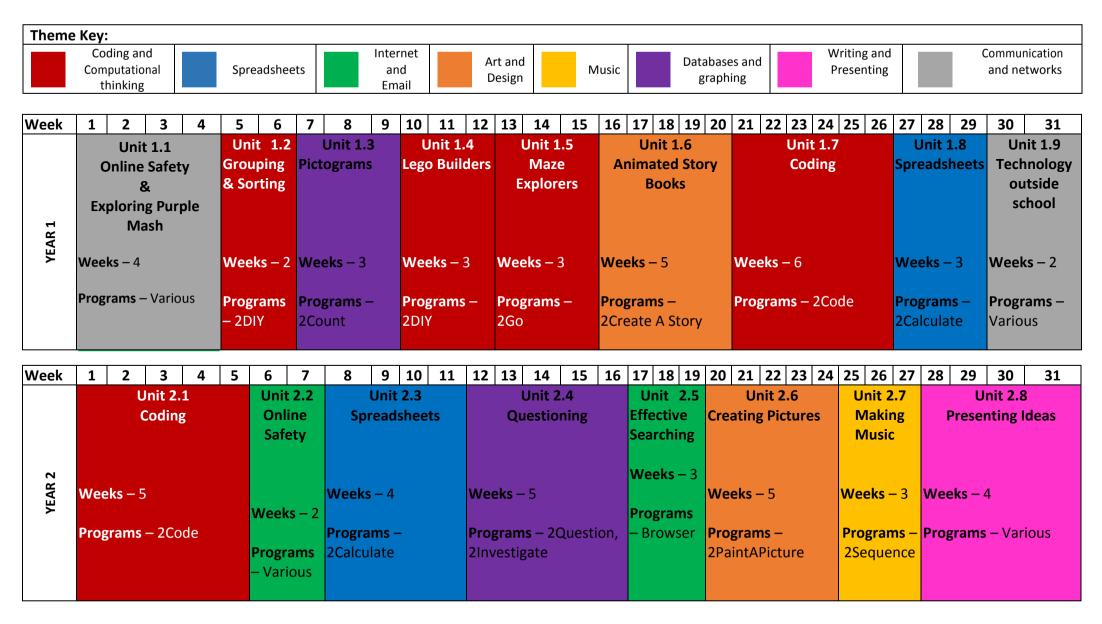
Lesson plans also make use of the facility within Purple Mash to set activities for pupils which they can then complete and hand-in online (2Dos). This enables you to assess their work easily as well as distribute resources to all pupils. If children have not opened 2Dos before then they will need more detailed instructions about how to do this. A teacher's guide to 2Dos can be found in the teacher's section: 2Dos Guide.

If you are currently using a single login per class or group and would like to set up individual logins yourself, then please see our guide to doing so at Create and Mange Users. Alternatively, please contact support at support@2simple.com or 0208 203 1781.

To force links within this document to open in a new tab, right-click on the link then select 'Open link in new tab'.

The Scheme of work for **Reception** has been created as a series of lesson Ideas, using the Areas of Learning and Development as starting points. Select the Area of Learning and Development you want to use resources to support and you will find suggested resources (on both Mini Mash and Purple Mash) and practical ideas and activities for using the resources to meet the Early Learning Goal.

Units by Year Group - Single Age Classes



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Units by Year Group - Mixed Age Classes



In year 1 and 2 coding the lessons need to be taught in sequence as each lesson introduces skills that are consolidated and developed in the next lesson. Therefore, it is proposed to teach coding for 11 weeks in Cycle A and none in Cycle B. It is also beneficial for all children to recap unit 1.1 in both cycles as this introduces children new to the class with key skills needed to make the most of Purple Mash.

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YEAR 3 & 4 CYCLE B	Introducing 'If' statements – Year 3 Lesson 4	Variables and 'if/else' statements – Year 4 Lesson 2	Repetition using a timer and repeat commands — Year 3 Lesson 3	Repetition and user input – Year 4 Lesson 3	Variables – Year 3 Lesson 6	Variables – Year 4 Lesson 5

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Coding Breakdown

YEAR 5 & 6 CYCLE A	Accomplishing a goal in a program – Year 5 Lesson 1	Simulating a physical system – Year 5 Lesson 2	Creating a game and timer – Yea and 5		Using buttons to showcase work – Year 6 Lesson 5	Internet safety – Year 5 Lesson 6
YEAR 5 & 6 CYCLE B	Designing and wi complex program Lessons 1 and 2		Introducing text variables – Year 5 Lesson 3	Introducing Functions – Year 6 Lesson 3	Text Adventure – Year 6 Lesson 6	Vocabulary review and quizzes – Year 6 Lesson 4