Computing Scheme of Work

Introduction

This document contains an overview of the units included in the Purple Mash Computing Scheme of Work for all year groups that are taught at Kirk Ella St Andrew's C P School.

The scheme for Early Years (Reception) shows opportunities for using Mini Mash or Purple Mash as part of the Early Years classroom to support children in working towards early learning goals.'

The Purple Mash tools used within each unit are detailed in the Tools section below.

Scheme for our School

In an ideal world, pupils would be able to complete all units; this provides a wide range of different technological experiences using a variety of tools. The overlaps between units serve to deepen understanding of computational concepts and provide opportunities for pupils to apply and extend understanding and make links in their knowledge and capabilities.

However, as a school we have decided to refine the scheme to ensure we have time to meet the needs of the curriculum across all subjects. The overview below show which units will be covered in discreet/independent Computing lessons and which may not be covered due to teaching time constraints.

Computing Scheme of Work

Key	Predominant Area of Computing (Most units will include aspects of all strands.)		
Units Covered	**Computer Science**	**Information Technology**	**Digital Literacy**
Units Not Covered	Computer Science	Information Technology	Digital Literacy

Year 1

Unit	Unit Title	No Lessons	Main Tool Used
Unit 1.1	Online Safety & Exploring Purple Mash	4	
Unit 1.2	Grouping & Sorting	2	
Unit 1.3	Pictograms	3	2 Count
Unit 1.4	Lego Builders	3	
Unit 1.5	Maze Explorers	3	
Unit 1.6	Animated Story Books	5	2Create A Story
Unit 1.7	Coding	6	2 Code
Unit 1.8	Spreadsheets	3	2 Calculate
Unit 1.9	Technology Outside School	2	
	Total	31	

Year 2

Unit	Unit Title	No Lessons	Main Tool Used
Unit 2.1	Coding	5	2Code
Unit 2.2	Online Safety	3	
Unit 2.3	Spreadsheets	4	2Calculate
Unit 2.4	Questioning	5	2Question2Investigate
Unit 2.5	Effective Searching	3	
Unit 2.6	Creating Pictures	5	2Paint A Picture
Unit 2.7	Making Music	3	2Sequence
Unit 2.8	Presenting Ideas	4	
	Total	32	

Year 3

Unit	Unit Title	No Lessons	Main Tool Used
Unit 3.1	Coding	6	2Code
Unit 3.2	Online Safety	3	
Unit 3.3	Spreadsheets	3	2Calculate
Unit 3.4	Touch Typing	4	2Type
Unit 3.5	Email (inc email safety)	6	2Email
Unit 3.6	Branching Databases	4	2Question
Unit 3.7	Simulations	3	2Simulate
Unit 3.8	Graphing	3	2Graph
Unit 3.9	Presenting	5/6	Powerpoint
	Total	35/36	

Year 4

Unit	Unit Title	No Lessons	Main Tool Used
Unit 4.1	Coding	6	2Code
Unit 4.2	Online Safety	4	
Unit 4.3	Spreadsheets	6	2Calculate
Unit 4.4	Writing for Different Audiences	5	
Unit 4.5	Logo	4	2Logo
Unit 4.6	Animation	3	2Animate
Unit 4.7	Effective Searching	3	
Unit 4.8	Hardware Investigators	2	
Unit 4.9	Making Music	4	BusyBeats
	Total	37	

Year 5

Unit	Unit Title	No Lessons	Main Tool Used
Unit 5.1	Coding	6	2Code
Unit 5.2	Online Safety	3	
Unit 5.3	Spreadsheets	6	2Calculate
Unit 5.4	Databases	4	2Investigate
Unit 5.5	Game Creator	5	2DIY 3D
Unit 5.6	3D Modelling	4	2Design & Make
Unit 5.7	Concept Maps	4	2Connect
Unit 5.8	Word Processing	8	Microsoft Word
	Total	40	

Year 6

Unit	Unit Title	No Lessons	Main Tool Used
Unit 6.1	Coding	6	2Code
Unit 6.2	Online Safety	2	
Unit 6.3	Spreadsheets	5	2Calculate
Unit 6.4	Blogging	4	2Blog
Unit 6.5	Text Adventures	5	
Unit 6.6	Networks	3	
Unit 6.7	Quizzing	6	2Quiz
Unit 6.8	Understanding Binary	4	
Unit 6.9	Spreadsheets	8	Microsoft Excel
	Total	43	