

Aldington Primary School

Computing Non-Negotiables

2020-2021



This document is a statement of the non-negotiable elements of the teaching of Computing at Aldington Primary School.

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Approved by:

To be reviewed

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Date:

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Nurture and Challenge



Computing skills should be taught when linked to projects where possible to ensure real world application.

Key Skills

Technology being used effectively in the classroom
Awareness of E-safety
How technology is used in the wider society
Basic programming skills

Online Safety Scheme of Work

- It is expected that one full lesson of Online Safety is taught at the beginning of each term with 10 minute games/videos/follow-up sessions throughout the rest of the term.
- Teachers are expected to use their professional judgement to pick appropriate lessons for their class at that time i.e. passwords may be an issue/something you want to address earlier than expected from the scheme of work.
- If necessary teachers may dip into previous year group schemes of work to close any gaps in pupils' understanding.

The full E-safety scheme of work can be found on page 12 of the **Computing Policy 2020-21**.

Computing Resources Timetable

This timetable has been devised to enable teachers to successfully deliver the Computing curriculum across each term. After equipment has been used it must be cleaned in accordance with Covid-19 risk assessment measures, returned to its original location and put on charge the **same day**.

EYFS/KS1

	Monday	Tuesday	Wednesday	Thursday	Friday
Laptops					
Ipads (15)					
Beebots / other					

KS2

	Monday	Tuesday	Wednesday	Thursday	Friday
Laptops					
Ipads (15)					
Beebots/other					

Purple Mash Computing Curriculum Years 1-6

In accordance with the Computing Policy 2020-21, teachers are expected to deliver the following Purple Mash units of work across the academic year. This is to ensure that all areas of the National Curriculum are met to expected standards within individual year groups and across key stages. Teachers are free to decide when units will be covered across the year so links can be made to their wider topic where appropriate.

Theme:	Dolphins	Otters	Owls	Bears	Jaguars	Eagles
Coding and Computational thinking	Unit 1.2 Grouping & Sorting Unit 1.4 Lego Builders Unit 1.5 Maze Explorers	Unit 2.1 Coding	Unit 3.1 Coding	Unit 4.1 Coding Unit 4.5 Logo	Unit 5.1 Coding	Unit 6.1 Coding Unit 6.5 Text Adventures
Spreadsheets	Unit 1.8 Spreadsheets	Unit 2.3 Spreadsheets	Unit 3.3 Spreadsheets	Unit 4.3 Spreadsheets	Unit 5.3 Spreadsheets	Unit 6.3 Spreadsheets
Internet and Email	Unit 1.1 Online Safety & Exploring Purple Mash	Unit 2.2 Online Safety Unit 2.5 Effective Searching	Unit 3.2 Online safety Unit 3.5 Email (including email safety)	Unit 4.2 Online safety Unit 4.7 Effective Search	Unit 5.2 Online safety	Unit 6.2 Online safety
Art and Design	Unit 1.6 Animated Story Books Unit 1.7 Coding	Unit 2.6 Creating Pictures		Unit 4.6 Animation	Unit 5.5 Game Creator Unit 5.6 3D Modelling	
Music		Unit 2.7 Making Music		Unit 4.9 Making Music		
Databases and graphing	Unit 1.3 Pictograms	Unit 2.4 Questioning	Unit 3.6 Branching Databases Unit 3.8 Graphing		Unit 5.4 Databases	
Writing and Presenting		Unit 2.8 Presenting Ideas	Unit 3.4 Touch Typing	Unit 4.4 Writing for different audiences	Unit 5.7 Concept Maps	Unit 6.4 Blogging Unit 6.7 Quizzing
Communication and networks	Unit 1.1 Online Safety & Exploring Purple Mash Unit 1.9 Technology outside school		Unit 3.7 Simulations	Unit 4.8 Hardware Investigators		Unit 6.6 Networks

Purple Mash Computing Curriculum EYFS

In accordance with the Computing Policy 2020-21, teachers are expected to utilise the following Purple Mash tools to help ensure that all areas of the Early Learning Goals are met to the expected standard. Teachers are free to decide when units will be covered across the year so links can be made to their wider topic where appropriate.

Communication and Language	Expressive Arts	Literacy	Mathematics	Physical Development	PSED	Understanding the world
Being Imaginative 2Paint a picture Paint Projects 2Create a story 2Beat 2Explore	Being Imaginative 2Paint a picture Paint Projects 2Beat 2Explore 2Design and Make	Reading Mashcams 2Create a story Alphabet Slideshow 2Email / 2Respond Talking Stories	Numbers Maths City 1 A-fish-metic Number paint projects 2Count 2Quiz	Health and Self-Care Mini Mash PIN - Grocers	Making Relationships Using iPads – 2Beat, 2Explore, Mashcams Using Laptops Using IWB	People and Communities PINS – All about me and Feelings (Mini Mash)
Listen and Attention Simple City Slideshows 2Create a story Mashcams						Technology iPads, Laptops, IWB Simple City
Speaking Mashcams 2Create a story Slideshows Simple City	Exploring and Using Media 2Beat 2Beat 2Explore 2Design and Make	Writing Mashcams 2Connect 2Create a story 2Publish 2Email / 2Respond	Shape, Space and Measure Maths City 1 Maths City 2 Shapes PIN 2DIY 2Design and Make		Self-confidence and Self-awareness Mini Mash and Purple Mash Resources	The World Topic Packs or PINS (Mini Mash) Simple City 2Connect
Understanding 2 Go Simple City						