

Kirkby C of E Primary School

Building on a tradition of achievement and values in a caring environment



Computing

Planning Overview 2026-27 Cycle A

	Autumn Term	Spring Term				Summer Term											
Nursery Reception	Rather than a scheme with set lessons, the early years resources are designed to integrate into the day-to- day routine and set-up of an early years setting with opportunities for using Mini Mash or Purple Mash as part of the Early Years curriculum to support children in working towards early learning goals.																
	There are units of suggested ideas that focus on computing skills specifically, that can also be provided as opportunities for learning as part of the topics in other areas to give children a sound basis to explore topics using technology and to be ready for progressing through the Computing curriculum. These are as follows and are designed to be integrated and linked to wider early years curriculum areas.																
	<table><tr><td>Mouse and Trackpad Skills</td><td>Keyboard Skills</td><td>Drawing skills</td><td>Robots</td><td>Sounds</td><td>Photography</td></tr><tr><td>Technology Around Us</td><td>Hardware</td><td>Safety and Privacy</td><td>Quizzes</td><td>Using Purple Mash with an Individual Login</td><td></td></tr></table>						Mouse and Trackpad Skills	Keyboard Skills	Drawing skills	Robots	Sounds	Photography	Technology Around Us	Hardware	Safety and Privacy	Quizzes	Using Purple Mash with an Individual Login
Mouse and Trackpad Skills	Keyboard Skills	Drawing skills	Robots	Sounds	Photography												
Technology Around Us	Hardware	Safety and Privacy	Quizzes	Using Purple Mash with an Individual Login													
Year 1 and 2	Introduction to Purple Mash 3 Lessons Introducing Purple Mash and the essential skills for the year 1 scheme units. - Logging in and out of Purple Mash - Opening and using 2Dos - Saving work in the Work area Creative Computing 4 Lessons Developing mouse skills and ICT skills using the creative 2DIY tools in Purple Mash. - Making digital art - Making and sharing jigsaws Making a drag and drop game		Spreadsheets 6 Lessons Introducing spreadsheets and the way they organise data using the Calculate tool. - Understanding cells and columns - Inserting images with values - Using totalling tools - Creating graphs Animated Stories 6 Lessons Creating and combining digital art and text to produce digital books using the 2Create a Story tool. - Creating digital art and text - Adding animation to images - Adding sound		Coding 6 lessons Introducing block coding using 2Code. Using blocks to code Understanding objects, actions and events - Planning and designing a program Coding 6 lessons Developing coding skills using 2Code. - Understanding algorithms - Introducing sequencing - Coding interaction between objects - Using timers - Debugging												

	Creating Pictures 5 Lessons Using a digital art tool to create art in different traditional styles. • Using 2Paint a Picture templates • Exploring the features of each template • Compiling an online art portfolio Comparing digital art effects to non digital effects Online Safety Self-image and identify Online Relationships	Online Safety Online Reputation Online Bullying Managing Online information	Online Safety Privacy and security Health, Well-being and lifestyle Copyright and ownership
Year 3 and 4	Email 6 Lessons Communicating electronically using Email. Considering safety aspects of email communication. • Composing and replying to emails • Opening and sending attachments • Using email safely Unpacking Hardware and 4 Lessons Software Understanding technology and computer systems in relation to their hardware and software. • Defining types of technology • Knowing how systems work together • Identifying hardware • Understanding software Online Safety Self-image and identify Online Relationships	Route Planners 5 Lessons Using 2Go to create routes for screen turtles. Coding using angles of turn and repetition. • Writing commands using rotation • Creating algorithms and writing code • Planning routes • Repetition in 2Go Effective Searching 4 Lessons Exploring how to effectively search the internet. Exploring safety aspects of online information. • Using a search engine • Search rankings • Reliable searching • Search algorithms Coding 6 lessons Developing coding skills using 2Code. • Using flowcharts in 2Chart • Using timers • Introducing repetition • Testing and debugging Online Safety Online Reputation Online Bullying Managing Online information	Presentations 5 Lessons Using industry standard software to create presentations. • Adding media • Customising with animation and timings • Designing an effective presentation Spreadsheets 6 Lessons Working with data using spreadsheets in the 2 Calculate tool. • Creating graphs • Understanding cell addresses • Using the formula bar • Combining Calculate functions to analyse data Online Safety Privacy and security Health, Well-being and lifestyle Copyright and ownership

Year 5 and 6	Quizzing 5 Lessons Making effective quizzes using 2Quiz. Exploring types of questioning and effective presentation of a quiz. • Evaluating the features of a good quiz • Choosing appropriate question types • Making use of feedback and titles • Testing and editing quizzes Game Creator 5 Lessons Designing and making a 3D maze adventure game using 2DIY3D • Exploring the features of a good game Designing and making sprites and the game world • Evaluating the playability of games Graphing 4 Lessons Understanding the benefits of creating common graph types digitally. Using appropriate features to present data in the best possible way. • Creating a range of graph types • Incorporating multiple datasets • Using graphs to solve a problem • Exporting and importing files Online Safety Self-image and identify Online Relationships	Spreadsheets 6 Lessons Working with data using spreadsheets in the Calculate tool. • Using formulae • Exploring measurement conversions • Carrying out numerical investigations • Creating computational models Coding 6 Lessons Developing coding skills using 2Code. • Coding efficiently by refining code • Simulating a physical system • Exploring decomposition and abstraction • Using functions and variables Online Safety Online Reputation Online Bullying Managing Online information	Word Processing 6 Lessons Using industry standard software to create documents. • Creating documents • Using images • Entering and editing text • Using tables and templates 3D Modelling 5 Lessons Exploring computer aided design in 3D using the 2Design and Make tool. • Working with viewpoints of 3D objects • Adding and editing points on a model • Designing for a purpose Online Safety Privacy and security Health, Well-being and lifestyle Copyright and ownership
---------------------	---	---	--