



Computing Long Term Plan – Digital Literacy

Year	Autumn	Spring	Summer
EYFS	Online Safety <i>Jessie & Friends – episode 1+ teaching resources & activities</i>	Mini Mash (Purple Mash Early Years) Using iPads to open apps and take photos	Mini Mash (Purple Mash Early Years) Using iPads to open apps and take photos
Year 1	Online Safety <i>Jessie & Friends – episode 2+ teaching resources & activities</i> 2Count (Purple Mash unit 1.3) <i>Pictograms</i>	2Calculate (Purple Mash unit 1.8) <i>Spreadsheets</i> Various (Purple Mash unit 1.9) <i>Technology outside school</i>	2Create a story (Purple Mash unit 1.6) <i>Animated Story to include sound recording</i> Photography on iPad <i>Introduction to taking and editing photos</i>
Year 2	Online Safety <i>Jessie & Friends – episode 3+ teaching resources & activities</i> Browser (Purple Mash unit 2.5) Effective searching	Various Programs (Purple Mash unit 2.8) <i>Presenting Ideas</i>	2Question (Purple Mash unit 2.4) <i>Questioning</i> 2Calculate (Purple Mash unit 2.3) <i>Spreadsheets</i>
Year 3	Online Safety <i>Play, Like, Share - Level one + Band Runner</i> 2Question (Purple Mash unit 3.6) <i>Branching databases</i>	2email/2connect (Purple Mash unit 3.5) <i>Email</i>	2Graph (Purple Mash unit 3.8) <i>Graphing</i> 2Calculate (Purple Mash unit 3.3) <i>Spreadsheets</i>
Year 4	Online Safety <i>Play, Like, Share – Extension + Band Runner</i> Browser (Purple Mash unit 4.7) <i>Effective searching PM quiz Layout, icons & buttons</i>	2Email/2Connect/2DIY (PM unit 4.4) <i>Writing for different audiences</i> *Teachers might want to change the subject of the writing to fit with current topic	2Calculate (Purple Mash unit 4.3) <i>Spreadsheets</i>
Year 5	Online Safety – Internet Legends Respect 2Design/Make (Purple Mash unit 5.6) 3D Modelling	2Calculate (Purple Mash unit 5.3) <i>Spreadsheets</i>	2Connect (Purple Mash unit 5.7) <i>Concept Maps</i> 2Question/2Investigate (unit 5.4) Databases
Year 6	Online Safety – Internet Legends Think before you share & Protect your stuff	2Blog (Purple Mash unit 6.4) Blogging	2DIY 3D (Purple Mash unit 5.5) Games Creator

*Ongoing technology use – Using websites to research topics, using a range of IT to present work from other topic areas & music links

* Online Safety – Spring term ‘Safer Internet Day’ Summer term – Year 6 transition project – research & present to each year group about an aspect of e-safety, Police visit KS2 re current issues, Year 5 Jigsaw unit on online safety linked to peer pressure

Supporting books – Year 1 Webster’s email, Year 2 Webster’s Friend, Year 3 Troll Stinks, Year 4 Oscar’s Online World



Computing Long Term Plan – Computer Science (CR)

Year	Autumn	Spring	Summer
EYFS	Computational thinking – sorting, ordering, sequencing, grouping, naming, making, collaborating, reasoning, responding to instructions Taking place throughout provision – i.e. water play, role play, outdoor play, construction, maths, English, craft		
Year 1	Lego – Learn to learn sets <i>Introducing algorithms</i>	Scratch Junior <i>Simple programs and debugging</i>	Dot & Dash robots <i>Algorithms</i>
Year 2	Lego Wedo 2.0 <i>Algorithms & predicting the behaviour of simple programs</i>	Making Music (Purple Mash unit 2.7) <i>Composing music</i>	Scratch Junior <i>Simple programs and debugging</i>
Year 3	Lego Wedo 2.0 <i>Investigate sequences, selection & repetition and investigate variables</i>	2Simulate/2Publish (Purple Mash unit 3.7) <i>Simulations + exploring VR</i> Ozobots <i>Debug own programs, predict & analyse patterns, logic.</i>	Stop Frame Animation <i>Using iPads</i>
Year 4	Lego Wedo 2.0 <i>Investigate sequences, selection & repetition and investigate variables</i>	Purple Mash unit 4.8 <i>Hardware Investigations</i> <i>PM quiz Computer Hardware</i> Lightbot <i>Coding & problem solving</i>	Garageband <i>Creating music & introducing loops</i>
Year 5	Lego Spike Prime <i>Increasing the programming possibilities with more complex models and programs. To include decomposition, physical systems and logical reasoning.</i>	Purple Mash unit 6.6 Networks <i>PM quizzes computer networks & labelling networks</i> Search Engines <i>Check it's for real (Internet Legends)</i>	Augmented Reality <i>Interact with life-size and lifelike objects, relate abstract concepts to immediate surroundings and activity explore global impact (forests & coral reef)</i>
Year 6	Lego Spike Prime <i>Increasing the programming possibilities with more complex models and programs. To include decomposition, physical systems and logical reasoning.</i>	Swift Playgrounds <i>Algorithms, changing variables in simulations as part of a 3D environment. Evaluate efficiency of algorithms and continually test.</i>	Code Bug <i>Coding using a microcomputer with sensors, LED lights. Looking at inputs and outputs along with wearable technology.</i>