Computing Long Term Plan - Topics 2023/2024

Early Years Foundation Stage Goals	Three and Four Year Olds	Reception	Early Learning Goals
	Personal, Social and Emotional Development Increasingly follow rules, understanding why they are important. **Physical Development** Match their developing skills to tasks and activities in the setting. **Understanding the World** Explore how things work.	**Personal, Social and Emotional Development** Show resilience and perseverance in the face of a challenge **Physical Development** Develope their small motor skills so that they can use a range of tools competently, safely, and confidently. Know and talk about the difference factors that support their overall health and wellbeing. Understand sensible amounts of 'screen time' and how it relates to their wellbeing. **Expressive Arts and Design** Explore, use, and refine a variety of artistic effects to express their ideas and feelings.	**Personal, Social and Emotional Development** Be confident to try new activities and show independence, resilience, and perseverance in the face of challenge. Explain the reasons for rules, know right from wrong, and try to behave accordingly. **Expressive Arts and Design** Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.

	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1		Summer 2	
	1 2 3 4 5 6 7 8	9 10	11 12 13 14 15	16 17 18 19 20	21 22 23 24 25		26 27 28 29 30 31 32		33 34 35 36 37 38 39			
Year 1	Online Safety and Using Purple Mash 4 weeks		Grouping and Sorting 3 weeks	Pictograms 3 weeks	Lego Builders 3 weeks	Maze Explorers 3 weeks	Animated Storybooks 5 weeks	Coding 6 weeks		Spreadsheets 3 weeks	Tech Outside School 2 weeks	
Year 2	Coding 6 weeks	Online Safey 3 weeks	Spreadsheets 5 weeks		Questioning 5 weeks		Searching 4 weeks	Creating Pictures 6 weeks		Making Music 4 weeks	Presenting Ideas 5 weeks	
Year 3	Online Safety - Twinkl 6 weeks		Coding 6 weeks	Spreadsheets 3 weeks	Touch Typing 4 weeks		Email 6 weeks		Simulations 3 weeks	Grouping 2 weeks	Microsoft PowerPoint	
Year 4	Online Safety 4 weeks		Coding 6 weeks	Spreadsheets 6 weeks		Writing 5 weeks		Logo 4 weeks	Animation 3 weeks	Searching 3 weeks	Hardware 2 weeks	Making Music 4 weeks
Year 5	Online Safety 7 weeks		Microsoft PowerPoint Presentations		Microsoft Excel Business modelling		Stop Motion Animation Claymation		Scratch Game Making PacMan		Microbits - Physical Coding	
Year 6	Online Safety - Twinkl 6 weeks		Scratch - Storytelling		Microsoft Excel		Coding - Kodu		Film Making		Using and Applying	
Year 7	E-Safety, Health and Safety, Accessing the Network, Introduction		Introduction to Microsoft Publisher. Understanding computer misure, data protection, and copyright law.		Introduction to Miscrosft Excel, Logic Gates, Truth Tables, Logic Circuits, Binary Numbers		Introduction to Powerpoint. Understanding Significant Figures in Technology		Algorithms and Sorting. Linear and Binary Searching, Bubble Sorting, Insertion Sorting.		Living in a Digital World. Understanding modern communication, digital world on the more, entertainment, smark working, online shopping.	

Digital Literacy	
Information Technology	
Computer Science	