Nursery	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
General Themes	All about me	Let's Celebrate	Winter Wonderland	Planting & Growing	Who can help me?	Once Upon a Time
Emotional Development	Underpinning their personal children to learn how to und themselves simple goals, hav guidance, they will learn how	development are the importonerstand their own feelings are confidence in their own about to look after their bodies, in the good friendships, co-operate when the co-operate with the co-o	SED) is crucial for children to ant attachments that shape t nd those of others. Children s ilities, to persist and wait for including healthy eating, and r erate and resolve conflicts pe ational Programme	heir social world. Strong, wa should be supported to manag what they want and direct of manage personal needs indepe	rm and supportive relationshi ge emotions, develop a positiv attention as necessary. Throu endently. Through supported	ips with adults enable we sense of self, set ugh adult modelling and interaction with other
Safety RSE—online relationships	to explore Use of TWB	explore Use of IWB Chicken Clicking Story	school iPad	3	Learn how to take a photo of something you are proud of. Dot. story	Use of programable toys— Beebots, Codapillar, Troll Stinks story

Reception	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
General Themes	Me & My Emotions	Celebrations of Light	I wonder Why?	New Life	People Who Help Us	Terrific Tales	
Personal, Social and Emotional Development	Children's personal, social and emotional development (PSED) is crucial for children to lead healthy and happy lives, and is fundamental to their cognitive development. Underpinning their personal development are the important attachments that shape their social world. Strong, warm and supportive relationships with adults enable children to learn how to understand their own feelings and those of others. Children should be supported to manage emotions, develop a positive sense of self, set themselves simple goals, have confidence in their own abilities, to persist and wait for what they want and direct attention as necessary. Through adult modelling and guidance, they will learn how to look after their bodies, including healthy eating, and manage personal needs independently. Through supported interaction with other children they learn how to make good friendships, co-operate and resolve conflicts peaceably. These attributes will provide a secure platform from which children can achieve at school and in later life. EYFS Statutory Educational Programme						
Computing & Online Safety RSE—online relationships	Use of IWB How to use iPad safely— opening and closing, storage Digiducks Big Decision online story—Childnet	Take selfies and photos using iPads Chicken Clicking Story	Safer Internet Day — Smartie the penguin online story (Childnet)	Use a basic app on the iPad Unplugged Story	Use a basic app on the iPad Use of beebots/codapillar Troll Stinks story	Use a basic app on the iPad Once Upon a Time Online Story	

rogression	Map 2021/20	22 Subject: Comp	uting	Subject Lead: Mrs Brown			
	Year Group	Autumn 1	Autumn 2	Spring 1 Spring 2	Summer 1	Summer 2	
Aims	Can analyse pro	blems in computational terms d apply information technolog	, and have repeated practical y, including new or unfamiliar	puter science, including abstraction, logic, algorithms and experience of writing computer programs in order to so technologies, analytically to solve problems and communication technology.	· · · · · · · · · · · · · · · · · · ·		
Breadth	1	Writing in different styles (laptops)	Programming with ScratchJr (iPads)	An introduction to animation (Laptops needed for first 3 lessons. Second half iPads)	Finding and presenting info	ormation <mark>(laptops)</mark>	
Knowledge		Introduce children to word processing and desktop publishing using a number of different tools and design tasks.	Introduce students to this great block-based programming language to create animations and games perfect for KS1. Write and debug algorithms, learn about repeating, and different triggers to create actions.	Get really creative as you introduce both 2D and stop frame animation. Students will love creating their own animated clips and stories with a variety of tools.	Introduces children to web search websites safely, coll information in graphs, and and classifying data with data	ecting and presenting different ways of sorting	
Aims	Can analyse pro	blems in computational terms dapply information technolog	, and have repeated practical y, including new or unfamiliar	puter science, including abstraction, logic, algorithms and experience of writing computer programs in order to so technologies, analytically to solve problems and communication technology.	· · · · · · · · · · · · · · · · · · ·		
/ocabulary	Website, rules, multimedia, dat	online, email, private informa	tion, robots, patterns, progra riate/inappropriate, cyber-bi	amme, algorithm, space bar, digital, purpose, online tools, ullying, sites, digital footprint, keyword searching, word	•	•	
Breadth	2	Writing in different styles (laptops)	Programming with ScratchJr (iPads)	An introduction to animation (Laptops needed for first 3 lessons. Second half iPads)	Finding and presenting info	ormation <mark>(laptops)</mark>	

Knowledge		Introduce children to word processing and desktop publishing using a number of different tools and design tasks.	Introduce students to this great block-based programming language to create animations and games perfect for KS1. Write and debug algorithms, learn about repeating, and different triggers to create actions.	Get really creative as you introduce both 2D and stop frame animation. Students will love creating their own animated clips and stories with a variety of tools.	Introduces children to web browsers to explore and search websites safely, collecting and presenting information in graphs, and different ways of sorting and classifying data with databases.
Aims	Can analyse prol	oblems in computational terms, nd apply information technolog	rinciples and concepts of com , and have repeated practical gy, including new or unfamiliar	nputer science, including abstraction, logic, algorithms and lexperience of writing computer programs in order to sole technologies, analytically to solve problems and communication technology.	
Vocabulary	drawing tool, se		tion, enter/return, website, r	rd searching, word process, right-angle turn, sprites, codi rules, online, email, private information, robots, patterns, dia, data, pictogram, digitally	
Breadth	3	Computational Thinking - Alien Contact! (unplugged - no laptops)	Communication and collaboration (laptops)	Programming Scratch Maze Games (laptops)	Searching the web (laptops for searching the web.  Loan kit for WeDO)
Knowledge		An unplugged unit to develop your students into strong computational thinkers by solving a wide range of exciting unplugged problems. Will they be able to solve the problems, earn the trust of an alien species and cement a new galactic friendship?!	Introduce students to email and online collaborative tools. Learn how to safely and appropriately make use of these essential digital tools.	Teach algorithms, repetition, conditions and variables, while introducing students to Scratch's block-based coding language. Build adventure maze games and design your own levels, characters and objects to collect.	Take a detailed look at all elements of searching the web with care and consideration, covering: searching tricks, validating websites, improving your searches, searching images and searching online maps.
Aims	Can analyse prol	oblems in computational terms, nd apply information technolog	, and have repeated practical gy, including new or unfamiliar	nputer science, including abstraction, logic, algorithms and lexperience of writing computer programs in order to soly technologies, analytically to solve problems and communication technology.	·

Vocabulary	· · ·	, log on, personal information, p y, paste, collaborate, questionir	•	am, coordinates, variables, broadcast, import, sequence d , present data	ebugging, test and improve, sequence programming,				
Breadth	4		Communication and collaboration (laptops)	Programming Scratch Maze Games (laptops)	Machines and mechanisms  laptops for searching the web.  Loan kit for WeDO)				
Knowledge		your students into strong computational thinkers by solving a wide range of	these essential digital	Teach algorithms, repetition, conditions and variables, while introducing students to Scratch's block-based coding language. Build adventure maze games and design your own levels, characters and objects to collect.	A unit that investigates building mechanisms with Lego WeDo then choose one of our 3 WeDo projects to design, build and program machines.				
Aims	Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation  Can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems  Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems  Are responsible, competent, confident and creative users of information and communication technology.								
Vocabulary	<u> </u>								
Breadth	5	Pick a project (laptops)	Digital Literacy and online safety (Y5) (unplugged – no laptops)	What is a computer? (unplugged - no laptops)	Programming Robots (Visit and EV3 Loan kit)				
Knowledge	Choose from 3 classic video game projects with this fantastic coding unit.  Analyse the original games, build a simple version of them, then let the students get creative and independently extend their projects.		Six lessons taken from Common Sense Education's excellent digital citizenship curriculum, covering a wide range of topics including well-being, privacy and security, online identity, relationships,	Delve into what really makes a computer a computer. Is a TV a computer? Is a fridge a computer? Is a toilet a computer?! It also investigates just what is inside that metal box, how a computer works, memory, data and binary code. By the end you'll know your RAM from your ROM and your CPU from your GPU.	Introduce students to programming LEGO EV3 Robots. Control their movement with precise calculations and coding, then utilise the robot's sensors to interact with its environment and solve problems.				

Vocabulary	Are responsible, competent, confident and creative users of information and communication technology.  Input device, output device, digital device, software, hardware, profile, motherboard, hard drive, RAM, ROM, CPU, GPU, operating systems, design, navigate, 3D model, micro bit, responsibility, editing tools, refinement						
Breadth	6	Digital Literacy and online safety (Y6) (unplugged - no laptops)	Inside the internet (laptops)	Creating Instructional Videos (iPads)	Getting started with the BBC micro:bit (laptops. Visit and Loan kit) (cross curricular with DT)		
Knowledge		Six lessons taken from Common Sense Education's excellent digital citizenship curriculum, covering a wide range of topics including well-being, privacy and security, online identity, relationships, communication and the media.	Get under the skin of the Internet to investigate how the web works, how it's built and written with HTML code.	Plan, design and create instructional teaching videos. Perfect for reinforcing other areas of the curriculum. Students can create videos to support each other with revision and then share them online to give access to everyone in the class.	Introduce students to physical computing with a BBC micro:bit. Control the LED matrix and find out how screens work, learn about inputs and outputs, turn your micro:bit into a scoring or game device while learning about variables, conditionals and iteration.		

