ICT Long term plan - Year B

In KS2 (annually):

- One 'Presentation' lessons in a 3-week plan needs to be word processed.
- One Science investigation needs to have data presented using a spreadsheet & graph
- One topic session needs to involve creating a PowerPoint of their knowledge.

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
		Amazing Africa	Adventures in Space	Is it right to fight?	Is it right to fight?	Biodiversity/ Dinosaurs	The Americas
UKS2	Unit	Stop Motion Animation	Big Data 1	Bletchley Park	History of Computers	Micro:bit	Inventing a Product
	Curriculum links	Animation could be linked to a book from guided reading or class read		Once the top-secret home of the World War Two Codebreakers	Children write, record and edit radio plays set during WWII, look back in time at how computers have evolved and design a computer of the future.		
	Key Area	Creating Media	Data Handling	Computing systems and networks	Creating Media	Programming	Skills Showcase

	Hardware	iPads	Laptops and iPads	Laptops and iPads	Laptops	Laptops	Laptops, iPads and micro:bits
	Software	Stop Motion Studio App	Microsoft Excel or Google Sheets	Scratch (Website) Microsoft Word and PowerPoint Google Forms	Audacity Google Docs	https://makecode.microbit.org/	https://makecode.microbit.org/ TinkerCAD Google Sites iMovie App
	E-Safety	Smart Rules	Online Protection	Online Communication	Online Reputation	Online Bullying	Online Health
LKS2	Topic	Anglo Saxons	Vikings	Volcanoes and Earthquakes	Where does our food come from? Including Plants	Sounds Amazing	The Caribbean
	Unit	Programming: Scratch	Video Trailers	Networks and the Internet	Journey inside a computer	Further coding with Scratch	Investigating Weather
	Curriculum links	When creating a game link to the Anglo Saxons E.g. Beowulf	Creating a trailer for a book from guided reading or class read				Could link to comparing the weather in the Caribbean to the UK.

	Key Area	Programming	Creating Media	Computing systems and networks	Computing systems and networks	Programming	Data Handling
	Hardware	Laptops, desktops and/or tablets	iPads	Laptops and iPads	iPads	Laptops	Laptops, iPads, Green screen
	Software	Scratch	iMovie	Scratch Microsoft PowerPoint	Sketchpad	Scratch	Google Sheets or Microsoft Excel Sketchpad iMovie
	E-Safety	Smart Rules	Lesson 1- Beliefs, opinions and facts on the internet	When being online makes me upset	Sharing of Information	Rules for social media platforms	
KS1		Who did it?	Investigating India	Superheroes	Superheroes	Seaside	Seaside
	Unit	Programming-Bee-Bot	Introduction to data	Scratch Jr	Stop Motion	Data Handling: International Space Station	Digital Imagery
	Curriculum links	Link to focus text or class text	Branching database with Indian animals	Code and animate a superhero	Create a superhero stop motion animation		Take photos when on a trip or to tell a story
	Key Area	Programming	Data	Programmin	Creating Media	Data Handling	Creating Media

		Handling	g				
	Hardware	Bee-Bots	Laptops and iPads	iPads	iPads	Laptops and iPads	Laptops and iPads
	Software		Websites: Sketchpad and Just2easy	Scratch Jr App	Stop Motion Studio App		Google Photos App vGoogle Slides
	E-Safety	Smart Rules	Using the internet safely	Online Emotions	Always be kind and considerate	Posting and sharing online	
EYFS Reception		What do I know about me?		Who are the famous characters inside my books?	Should Goldilocks say sorry?	Are all mini-beasts scary?	Who can I ask for help?
		Links to computing – Ipads to take photographs, voice recorders Pictures of Play Picture Walk Class Photo Album Main topic focus – Understanding the world/physical development		Links to computing – Story making apps Main topic focus -Literacy	Links to computing – CD players to listen to the story Main topic focus – Personal, social and emotional development	Links to computing -Bee bots, Using the computers to make bug pictures Bee Bots Main topic focus - Understanding the world	Links to computing – Using google to research with an adult Main topic focus - Understanding the world

ICT taught through continuous provision – use of talking books, sound buttons, interactive whiteboard, bee bots, class computer, electric toys (e.g cars).

E safety – Understand what to do if they see something they don't like online.

EYFS Nursery & Pre School		Who lives in my house?	Which colours make you feel happy or sad?	What would you find at the farm?	Who goes to the ugly bug ball?	What can I do with water?
		Links to computing – Using google maps, using apps to design houses Main topic focus - Understanding the world	Links to computing – Drawing apps Main topic focus – Expressive arts and design/personal social and emotional	Links to computing - Interactive whiteboard to play farm games/watch videos Main topic focus - Understanding the world	Links to computing – Bee bots Bee Bots Main topic focus - Understanding the world	Links to computing – Interactive whiteboard/spheros in water Main topic focus - Understanding the world

			development			
		ICT taught through continuous provision – use of talking books, sound buttons, interactive whiteboard, bee bots, class computer, electric toys (e.g cars). E safety – Understand what to do if they see something they don't like online.				