FYFS

At St Martin's our EYFS is made up of nursery and reception classes, where the EYFS curriculum is used to feed in and support the national curriculum. Computing is taught within the nursery setting where they focus on the key areas of staying safe online, using the camera to take photos and opening up apps on the iPads. When children move into reception, these skills are revisited but there is more focus on teaching points that link to the whole school progression. Although children are taught these skills at specific points in the year, it may be the case that during learning through play, children will be using these skills across a range of areas.

Reception - Computer Science										
		Share	Арр							
Programming -	Specific programming is taught towards the end of the year using BeeBots. However, the	https://drive.google.com/drive/fold	BeeBots							
BeeBots	concept of following oral instructions, spotting patterns and sequencing items is something that is developed from the start of nursery. In the summer term, the children will then be	ers/1- Y2Xy5LSUct7IqxyScunoIFn0PKgfmN								
	able to use a simple sequence of commands to control a digital device.	<u>D?usp=drive_link</u>								
Key Vocabulary	Instruction, follow, first, next, Mouse, touch screen, move, command, device									

	Reception - Information Technology		
		Share	Арр
Video Creation	What is the difference between a photograph and a video? How do I record and then re-watch my recording?	https://drive.google.com/drive/folders/1- Y2Xy5LSUct7IqxyScunoIFn0PKgfmND?usp=drive	Camera App
Animation -	How can I make my image speak?	link	Chatterpix
Data Handling -	What is a chart? How can I use technology to take a picture of the objects to explain how I have sorted them?		Camera App
Word Processing	How can computers/keyboards/a mouse be used in role play? How do I type letters on a touch screen device? How can I record my voice saying simple sentences?		Pages
Key Vocabulary	Computer, Keyboard, Device, Tablet, Dictate, Type	,	

	Reception - Digital Literacy -													
Self-Image and Identity	Online Relationships	Online Reputation	Online Bullying	Managing Online Information	Health, Well-being and Lifestyle	Privacy and Security	Copyright and Ownership							
DL - What would I do if someone made me do something that makes me feel sad, embarrassed or upset? When might they do this?	DL - How can we use the internet to communicate with people I know?	DL - How can we put information online?	DL - How might people be unkind online and how will it make them feel? DL - Keeping Safe Online	DL - What could I use to find things out?	DL - What rules will keep me safe and healthy when I use technology at home?	DL - What is personal information? Who can I share this with?	DL - Does the work I create belong to me?							

					Year	1 - Computer Science		
Term		Design	Apply	Refine	Evaluate	Share	Link	App
Spring 1	Programming -					https://drive.google.com/drive/fol	https://www.mrpict.com/uploads/	Scratch Jnr
	Animations	How can cod	ding support n	ne to create a	simple	ders/1-	1/8/7/2/18722690/year 1 progra	All devices
		animation?				Y2Xy5LSUct7lqxyScunoIFn0PKgfm	mming -	
						ND?usp=drive_link	_animations_in_scratchjr.pdf	
Summer 1	Programming -						https://www.mrpict.com/uploads/	Daisy the
	Simple	How can a s	imple algorith	m help me to	move a		1/8/7/2/18722690/year 1 progra	Dinosaur App
	Algorithms with	character?					mming daisy the dino 2 .pdf	iPads
	Daisy Dino							
	Key Vocabulary	Algorithm, s	equence, orde	er, bug, fix, pre	ecise, Digital p	rogram, follow, code, bugs, fix, order, S	Scratch Jnr	

					Year 1 -	Information Technology		
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр
Autumn 1	Technology around us	How can te	chnology help	us?		https://drive.google.com/drive/fol ders/1- Y2Xy5LSUct7lqxyScunoIFn0PKgfm	Computing systems and networks – Technology around us	СВ
Autumn 2	Animation - Creating a Cartoon	How can I u	ıse technology	to animate a	character?	ND?usp=drive_link	https://www.mrpict.com/uploads/ 1/8/7/2/18722690/year 1 animati on - chatterpix.pdf	Chatterpix Kids iPad
Summer 2	Data Handling - Pictograms	How can I u	ise technology	to present m	ny results?		https://www.mrpict.com/uploads/ 1/8/7/2/18722690/year 1 data - pictogram diagram.pdf	Pic Collage iPad
Spring 2	Digital Writing - Word Processing	How can I use a computer to show my writing?					Creating media – Digital writing	Pages/ Google docs
	Key Vocabulary	Space bar,	delete, retu	rn key, enter	r, mouse, trac	kpad, arrow keys, cursor, select	I	I

	Year 1 - Digital Literacy													
Self-Image and	Online	Online Reputation	Online Bullying	Managing Online	Health, Well-being	Privacy and	Copyright and							
Identity	Relationships			Information	and Lifestyle	Security	Ownership							
DL - How can people make me feel online? DL - How do I ask adults for help when I am worried about something online?	DL - How can adults help us to contact people online? DL - Why do we need to be kind online?	DL - What happens to my online information? DL - What should I put online?	DL - How should I behave online?	DL - How can I use the internet to find things out? DL - What if I find something that makes me feel sad, uncomfortable, worried or frightened?	DL - What rules do I need to keep safe when using technology in the home and beyond?	DL - What is my more detailed personal information and what should I share? DL - How does a password protect us?	DL - If I create it using technology, is it mine? Why do we save our work?							

		Year 2 - Computer Science												
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр						
Autumn 2	Programming -					https://drive.google.com/drive/fol	https://www.mrpict.com/uploads/1	Scratch Jnr						
	Knock Knock Joke	How can coo	ding help me t	to create an in	teractive	ders/1-	/8/7/2/18722690/ks1 knock knock	All devices						
		joke?				Y2Xy5LSUct7lqxyScunolFn0PKgfmN	joke scratchjr.pdf							
Summer 2	Programming -					D?usp=drive_link	https://www.mrpict.com/uploads/1							
	BeeBot App	How can I us	se algorithms	to complete cl	hallenges?		/8/7/2/18722690/year 2 program							
							ming bee-bots app 2 .pdf							
	Key Vocabulary	Decomposit	ion, debug, re	ason , detail, b	reakdown, ta	sk, Precise, logical reasoning, predicatio	n, debug, sequence							

		Year 2 - Information Technology										
Term		Design	Apply	Refine	Evaluate	Share	Link	App				
Autumn 1	Information	How is info	rmation techn	ology being us	sed for good	https://drive.google.com/drive/fol	https://teachcomputing.org/curricul					
	technology	in our lives?	in our lives?			ders/1-	um/key-stage-1/computing-					
	around us					Y2Xy5LSUct7lqxyScunolFn0PKgfmN	systems-and-networks-it-around-us					
Spring 1	Photography -					D?usp=drive_link	https://www.mrpict.com/uploads/1	PicCollage				
	Simple	How can I p	How can I photoshop an image?				/8/7/2/18722690/year 2 photo -					
	Photoshopping						photoshopping.pdf					
Spring 2	Data Handling -						https://www.mrpict.com/uploads/1	Pic Collage				
	Venn Diagram	How can te	chnology help	me to sort my	/ data?		/8/7/2/18722690/year 2 data -	iPad				
							_venn_diagram.pdf					
Summer 1	Presentation -						https://www.mrpict.com/uploads/1	ChatterPix				
	Interactive	How can I n	nake my image	e interactive?			/8/7/2/18722690/year 2 presentati					
	Images						on - thinglink.pdf					
	Key Vocabulary	Cut, copy, p	aste, caps locl	ς, insert, image	e, save, clipboa	ard, editing, header, highlight						

			Year 2 - Dig	gital Literacy			
Self-Image and	Online	Online	Online Bullying	Managing Online	Health, Well-being	Privacy and Security	Copyright and
Identity	Relationships	Reputation		Information	and Lifestyle		Ownership
DL - Are all people the same online as they are in real life? DL - How can people make themselves appear different online? DL - What things make me feel sad, worried, uncomfortable online and how can I get help?	DL - What do I need to make sure of when contacting someone online who I don't know well? (Penpal in another school/country) How may I contact someone I don't know well?	DL - How long does my information stay online? Who can help me if there is a problem?	DL - What does online bullying look like? How does it make others feel? DL - What support is there for online bullying?	DL - How does a keyword help me find the information that I want? DL - Can I use my voice to search? DL - Is everything online true?	DL - How can guidance/rules help me be safe online?	DL - Who can see my personal information when it is online? What rules would keep my personal information private? DL - What is a password and where can it be used? What devices connect to the internet?	DL - Who owns the content that I find online

		Year 3 - Computer Science											
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр					
Spring 1	Programming -			•		https://drive.google.com/drive/fo	https://www.mrpict.com/uploads/	Scratch 3.0					
	Animation	How can coo	ding help me to	create an anin	nation?	lders/1-	1/8/7/2/18722690/ks2_animations	СВ					
						Y2Xy5LSUct7lqxyScunolFn0PKgfm	<u>in scratch.pdf</u>						
Summer 1	Programming -	How can I us	se an algorithm	to create a sin	nple	ND?usp=drive_link	https://www.mrpict.com/uploads/						
	MicroBit LED	animation?					1/8/7/2/18722690/year 3 progra						
	Animations						mming micro bit.pdf						
•	Key Vocabulary	Abstraction,	information, re	elevant, patter	n, same, differ	ent, complex, Sequence, inputs, output	ts, code, design, programming, langua	ge, Scratch					

					Year 3 - In	formation Technology		
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр
Autumn 1	Computer		-	•		https://drive.google.com/drive/fo	https://www.mrpict.com/uploads/	Adobe
	Networks -	How do cor	nputer netwo	rks work?		lders/1-	1/8/7/2/18722690/year_3_networ	Spark Video
	Network Explorer					Y2Xy5LSUct7lqxyScunolFn0PKgfm	k explorer 1 .pdf	
Summer 2	Animations - Stop					ND?usp=drive_link	https://www.mrpict.com/uploads/	iCan
	Motion	How can I a	nimate an obj	ect to tell a sto	ory?		1/8/7/2/18722690/year 2 animati	Animate
	Animation						o - stop motion animation.pdf	iPads
Autumn 2	Presentations -						https://www.mrpict.com/uploads/	Book
	Digital Comic	How can I u	se technology	y to make my c	omic digital?		1/8/7/2/18722690/year 3 presen	Creator
							tation - book creator comic.pdf	Pic Collage
								All devices
Spring 2	Data Handling -	How can a l	oranching data	abase be used i	in real-world		https://teachcomputing.org/curric	
	Branching	applications	s?				ulum/key-stage-2/data-and-	
	Databases						information-branching-databases	
	Key Vocabulary	Touch type	edit, format,	font, size, bord	ders, shadows, d	uplicate, organise, undo, redo, autocor	rect, clipart	

	Year 3 - Digital Literacy												
Self-Image and Identity	Online Relationships	Online Reputation	Online Bullying	Managing Online Information	Health, Well-being and Lifestyle	Privacy and Security	Copyright and Ownership						
DL - What does identity mean? DL - How can I represent myself online and why?	DL - What different technology-specific ways may I communicate with people online? (emojis, acronyms, text speak) DL - What risks are there with talking to someone online/ who can you trust? DL - How can my actions impact others online?Is it ok to stop communicating online? DL - Trust and Liking - Is there a diff.?	DL - How should I treat information about me when I am online? DL - Is it worth checking first?	DL - What is online bullying and what is the impact? DL - What rules about how to behave online should be followed?	DL - What is a search phrase? DL - Belief, opinion, fact - what's the difference?	DL - Why can technology have a negative impact on me?	DL - Who do I share with? DL - Why are passwords important? DL - What does every connected device collect and share?	DL - What happens if I copy someone else's work from the internet?						

	Year 4 - Computer Science									
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр		
Spring 1	1 Programming -				https://drive.google.com/drive/f	https://www.mrpict.com/upload	MicroBits			
	Microbit Get off	How can I use	e a simple algor	ithm to create a	an alarm?	olders/1-	s/1/8/7/2/18722690/year 4 pro			
	my stuff					Y2Xy5LSUct7lqxyScunolFn0PKgfm	gramming micro bit get off m			
						ND?usp=drive_link	y stuff .pdf			
Summer 1	Programming -	What is repet	ition in prograr	nming and wha	t are loops in		https://teachcomputing.org/curri	CB - online		
	Repetition in	programming	;?				culum/key-stage-			
	shapes						2/programming-a-repetition-in-			
							<u>shapes</u>			
	Key Vocabulary	Logical reason	ning, design, alg	gorithmic thinki	ng, selection, r	epeat Repetition, loop, foreverloop, co	ount controlled loop, selection, cond	ition,		
		systematic								

					Year 4 - Infor	mation Technology		
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр
Autumn 1	Computer Networks - Understanding the internet	How does th	e internet work?	,		https://drive.google.com/drive/f olders/1- Y2Xy5LSUct7lqxyScunolFn0PKgf mND?usp=drive_link	https://www.mrpict.com/uploads /1/8/7/2/18722690/year 4 netw orks - the internet.pdf	Green Screen - iPads
Autumn 2	Presentations - eBook Interactive Quiz	How can tecl eBook quiz?	nnology help me	to create an in	iteractive		https://www.mrpict.com/uploads /1/8/7/2/18722690/year_4_prese ntation - quiz_ebook.pdf	PicCollage
Spring 2	Data Handling - Online Questionnaire		How can I use technology to create an online questionnaire?				https://www.mrpict.com/uploads /1/8/7/2/18722690/year 4 data - online questionaire .pdf	Google Forms All devices
Summer 2	Video Creation - Visual Storytelling	How can I us	e technology to	create my own	visual story?		https://www.mrpict.com/uploads /1/8/7/2/18722690/year 4 video - adobe spark video.pdf	Spark Video iPads
	Key Vocabulary	Group, crop,	source, object,	posters, docum	ents, eBooks, so	cripts, leaflets, CTRL, spell check, thesa	aurus, record	1

	Year 4 - Digital Literacy											
Self-Image and	Online	Online Reputation	Online Bullying	Managing Online	Health, Well-being	Privacy and	Copyright and					
Identity	Relationships			Information	and Lifestyle	Security	Ownership					
DL - How can your	DL - How can I stay	DL - Can others easily	DL - Where might	DL - How do I decide if it is a fact?	DL - Is it important to	DL - What makes a	DL - If I find it					
online identity be	safe and have fun	find you online?	online bullying	DL - Where can I search for	limit our time online?	password strong?	online, can I					
different to how you	online?	DL - How can my	happen? How?	information?	How can we do this?	DL - How do I keep	reuse it?					
present in 'real life'?	DL - Why is it	online information be	DL - What	DL - How are people persuaded		my personal						
How are you and others	important to be	created, copied or	consequences can my	to buy things online?		information private?						
perceived online?	respectful?	shared by others?	actions have?	DL - Why aren't all online		DL - Who monitors						
				opinions and beliefs fact?		our internet use?						

		Year 5 - Computer Science								
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр		
Autumn 2	Programming -	How can codi	ng help to desig	gn an interactiv	e game where	https://drive.google.com/drive/f	https://www.mrpict.com/uploads	Scratch 3.0		
	Platform Game	I can collect p	• .	gii aii iiiteractiv	e gaine where	olders/1-	/1/8/7/2/18722690/ks2_platform	СВ		
		real collect politis:				Y2Xy5LSUct7lqxyScunolFn0PKgfm	game in scratch.pdf			
Summer 2	Programming -	How can I use	e a simple algor	ithm to keep tra	ack of scores	ND?usp=drive_link	https://www.mrpict.com/uploads	MicroBit		
	MicroBit score	within PE gam	nes?				/1/8/7/2/18722690/year 5 progr	СВ		
	counter						amming micro bit.pdf			
·	Key Vocabulary	Evaluation, ef	ffectiveness, co	mplexity, data,	predication, co	ndition. Data, memory, variables, valu	ue, initialization, control, simulate, phy	sical system		

		Year 5 - Information Technology								
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр		
Autumn 1	Computer				https://drive.google.com/drive/f	https://www.mrpict.com/uploads	Adobe			
	Networks - Search	How do searc	ch engines work	?		olders/1-	/1/8/7/2/18722690/year 5 searc	spark post		
	Engine					Y2Xy5LSUct7lqxyScunolFn0PKgf	h engines 1 .pdf			
Spring 1	Video Creation -					mND?usp=drive_link	https://www.mrpict.com/uploads	Doink GS		
	Green Screen	How does Gro	eenscreen impr	ove my movie?			/1/8/7/2/18722690/year 5 video	and iMovie		
							- greenscreen news report.pdf	iPad		
Spring 2	Data Handling						https://www.mrpict.com/uploads	Sheets		
		How can we i	use simple form	ulas to solve ca	alculations?		/1/8/7/2/18722690/year 5 -	СВ		
							<u>data handling -</u>			
							google_sheets.pdf			
Summer 1	Animation -						https://www.mrpict.com/uploads	Keynote		
	Animated	How can we a	animate a chara	cter to tell a sto	ory?		/1/8/7/2/18722690/year_6_anim	iPad		
	Cartoon						ated gif character.pdf			
	Character GIF									
	Key Vocabulary	Import, expo	rt, hyperlinks, a	nimate, build in	n, build out, itali	cs, bold, arrange, bullets.				
i										

	Year 5 - Digital Literacy											
Self-Image and	Online	Online	Online Bullying	Managing Online	Health, Well-	Privacy and	Copyright and					
Identity	Relationships	Reputation		Information	being and	Security	Ownership					
					Lifestyle							
DL - Can your online	DL - Does everyone	DL - How can I find	DL - How do you know if	DL - Which is the best online search	DL - How does	DL - How would we	DL - When is it					
identity be copied,	want to be your	information about	someone is upset, hurt or	result for me?	technology impact	create a strong and	acceptable to use					
modified or	friend?	someone online?	angry online?	DL - What do we mean by the	my sleep? What tips,	secure password?	the work of others?					
altered?				following:	advice or strategies							
	DL - What is an	DL - How can online			could help with	DL - What do apps						
	online community?	information impact			healthy sleep?	want from me?						

DL - Why do you need to be responsible online with your identity?	DL - How can I help? What can I do to help stop it? Who can help? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, belief, true, false, valid, reliable, evidence? Characteristic data, information, fact, opinion, fact, opin	
---	--	--

		Year 6 - Computer Science								
Term		Design	Apply	Refine	Evaluate	Share	Link	Арр		
Summer 2	Programming -					https://drive.google.com/drive/f	https://www.mrpict.com/uploads/	Scratch		
	Video Game	How can codi	ng allow me to	make my own v	video game?	olders/1-	1/8/7/2/18722690/ks2 game proj	3.0		
						Y2Xy5LSUct7IqxyScunoIFn0PKgfm	ect inn scratch.pdf			
Spring 2	Programming -	How can codi	ng be used to c	reate electrical	systems that	ND?usp=drive_link		Crumbles		
	Crumbles (Linked	cause lights to	oflash and part	s to move?						
	to DT)									
	Key Vocabulary	Generalisatio	n, pattern, reus	e, modify, remi	ix, critical Proce	edure, abstraction, conditional loop, lo	gic, operator, implement			

					Year 6 - Info	rmation Technology		
Term		Design	Apply	Refine	Evaluate	Share	Link	App
Summer 1	Computer		- 1	•	•	https://drive.google.com/drive/fo	https://www.mrpict.com/uploads/	Glitch
	Networks - HTML	What is HTM	IL?			lders/1-	1/8/7/2/18722690/year 6 networ	X-Ray
						Y2Xy5LSUct7IqxyScunoIFn0PKgfm	ks html.pdf	goggles
Autumn 1	Webpage					ND?usp=drive_link	https://teachcomputing.org/curric	Google
	Creation	What do I ne	ed to think ab	out when I crea	ate my own		ulum/key-stage-2/creating-media-	Sites
		webpage?					web-page-creation	СВ
Spring 1	Data Handling -		as will help so	lve more challe	nging maths	_	https://teachcomputing.org/curric	Google
	Spreadsheets	problems?					ulum/key-stage-2/data-and-	Sheets
		Where woul	d I publish my	own online qui	Z ?		<u>information-spreadsheets</u>	СВ
Autumn 2	Animation -						https://www.mrpict.com/uploads/	Keynote
	Animated Scenes	How can we	animate a sce	ne to tell a stor	y?		1/8/7/2/18722690/year 5 animat	iPads
							ed_scene.pdf	
•	Key Vocabulary	Alignment, a	pplication, tab	s, toolbar, layo	ut, shift key, PDI	, columns		•

	Year 6 - Digital Literacy										
Self-Image and	Online	Online	Online Bullying	Managing Online	Health, Well-being	Privacy and	Copyright and				
Identity	Relationships	Reputation		Information	and Lifestyle	Security	Ownership				

DL - How do the media shape ideas about gender? DL - How can issues online impact mine and others feelings? What can I do to get help?	DL - How can my online actions impact others' well- being? DL - What can I do to support others online?	DL - What is my online reputation? DL - How can I build a positive online reputation?	DL - How can a screen grab help stop bullying? DL - How many ways are there to report a concern?	DL - How do search engines work? DL - How do I know if my internet search is any good? DL - What do the terms' 'influence', 'manipulation', and 'persuasion' mean? DL - How do I identify, flag and report inappropriate content?	DL - How can technology impact my life? DL - What can I do to look after my health?	DL - What's in a password? DL - How can my app privacy be protected? DL - What is phishing?	DL - How do I reuse work that is not mine?
--	---	--	---	---	--	---	--