

Year Group	Autumn Te	<u>erm</u>	Sprin	g Term	<u>Summer Term</u>	
Reception	E Safety	Communicating /	Communicatin	Communicating /	Communicating / Presentation.	
	Can they talk about what	Presentation.	g/	Presentation.	Draw a symmetrical picture using 2simple.	
	they are doing on a	Can they use a	Presentation	Can they use a		
	computer?	digital device to	Can they write	simple paint	Algorithms and Programs	
	Can they say if something	take a	their name	programme with	Can they use a range of control toys and	
	they find on the internet	photograph?	using a	increasing mouse	devices?	
	makes them feel bad?		keyboard on	control?	Look at controlling a car around a track,	
	Can they speak to an adult	Can they	different	Can they create	cause and effect of pressing buttons. Use	
	about what they have	understand the	devices?	an image relating	the buttons to make the bee bots move	
	seen?	purpose of and	Can they use	to a topic	across a map or course.	
	Can I follow the school's	experiment with	the caps lock	covered in class		
	safer internet rules?	hardware such as	for the initial	and add a title?		
		cameras,	sound in their	Draw a self-		
	Algorithms and Programs	computers, iPads.	name?	portrait or		
	Begin to explore Bee Bots		Can they use	character.		
	and control a toy.		the space bar,	Use the fill tool		
			backspace and	to fill a picture.		
			return key?	Draw a		
			symmetrical			
				picture using		
				2simple.		
				Write a simple		
				sentence		
				e at the start of each		
				e across the curricul		
	Can I recognise a range of technology that is used in places such as homes and schools?					
	Can I select and use technology for a particular purpose?					
	Can I access and use simple activities using touch technology with increasing control?					
	Can I begin to logon/unlock a digital device? (e.g. digital camera, iPads etc)					
Year 1	E Safety	Using technology	Algorithms	and programs	Communicating and presentation	



	Check it's for real and protect yourself Think before you share and respect each other How to act if find inappropriate content	Use keyboard skills to type in simple usernames and passwords. Launch appropriate programme to task. Open and close a piece of equipment safely.	Plan a journey for a programmable toy Create a series of instructions to move around a course Know that commands affect algorithms. Create and debug a simple program.	The difference between e-books and storbooks. Add animation. Add sound. Background through copying and pasting and share ebooks with class.		
	Explore technology in a	Using ted	evisit and reinforce at the start of each chnology – reinforce across the curriculate ok at the purposes of their uses and wh			
Year 2	E Safety to include emails Check it's for real Send and receive class emails and understand email conduct Think before you share, protect yourself and be brave Can I identify kind and unkind behaviour online?	Data retrieving and organising Create graphs from data collected	Algorithms and programs Use floor turtles to explore ¼, ½ and full turn and sequencing of instructions Explore screen turtle to input sequences and draw shapes Understand the screen turtle can be directed through the use of text. Use repeat and timer commands. Debug a program.	Data retrieving and organising Use a branching database and use search tools	Communicating and presentation Know digital content can be represented in many forms. Add clip art. Add photos. Structure information in a table. Manipulate and present digital content and information.	



	E Safety – revisit and reinforce at the start of each term.						
	Using technology – reinforce across the curriculum. Save work to a folder and retrieve it when needed. Understand how to edit and copy information.						
	Capture a digital image, retrieve and manipulate. Explore technology in a range of jobs and look at the purposes of their uses and why they are needed for a variety of roles.						
Year 3	E Safety to include emails Think before you share and Respect Understand once an online message has been sent it can't be taken back How to respond if being asked for personal information Use email address book Open and send an attachment Can I create strong passwords and understand privacy settings?	Data retrieving and organising Create a graph from a database Create simple branching database, identify objects, question to classify data	Algorithms and Programs Plan complex series of instructions for screen and floor turtles and test and amend instructions for purpose	Algorithms and Programs Create basic applications, investigating how different variables can be changed Explore simulations and discuss benefits Use simulations to make and test predictions	Communicating and Presentation Create a publishing tool to create a poster or a leaflet Create presentation using powerpoint Changes layout of slides and adding images and sounds	Communicating and Presentation Sequence short pieces of music using prerecorded sounds	
	E Safety – revisit and reinforce at the start of each term.						
		Using ted	thnology – reinford	ce across the curricu	lum.		



	Lice technology to quit a particular nurness								
	Use technology to suit a particular purpose.								
	Navigate the internet.								
	Find relevant information by browsing a menu.								
	Search by keyword, using a child friendly search engine.								
	Bookmark a page into favourites								
Year 4	E Safety to include emails								
	Social networking sites and	and organising	Design/write a program to achieve	and Presentation	Presentation				
	gaming sites carry risks.	Explain what a	a specific goal.	Create a	Animation frames.				
	Benefits of a nickname for	spreadsheet is.	Create variables and If/Else	presentation	Onion skin tool.				
	online use.	Use terms colon,	statements.	using	Add backgrounds and				
	Behave appropriately	cells, rows and	Debug a program.	powerpoint.	sounds.				
	online.	columns.	Make a control simulation.	Adding	Stop Motion animation.				
	Cyber bullying and	Enter data to	To understand decomposition and	transitions.					
	reporting. create a graph. abstraction. Insert sound Create an extende								
	recordings. piece of music using								
	Identify when attachments		Explore some simulations and	Choose and	pre-recorded sample				
	may not be safe.		evaluate them.	insert images.	for a specific audience				
	Use cc and bcc. and evaluate.								
	Send work to the class								
	teacher.								
		E Safety – r	evisit and reinforce at the start of eac	h term.					
		Using ted	hnology – reinforce across the curricu	lum.					
		Do they know what a	browser is and use it to navigate a var	iety of programs?					
	Use tabbed browsing to open 2 or more web pages at the same time.								
	Can they open a variety of links and use them?								
	Can they use a range of digital devices and combine a variety of software?								
	Can they use search techno	logies effectively, app	reciate how results are selected and ra	anked, and be discer	ning in evaluating digital				
			content?						



Year 5	E Safety	Spreadsheets	Algorithms and	3d Modelling	Algorithms and	Communicating and	
	Understand privacy	Use a spreadsheet	Programs	Design a building	Programs	Presentation	
	settings on social media	to:	Design/write a	for a purpose.	Plan a game.	Plan a storyboard for a	
	sites.	Convert unit of	program to	Print a design as	Create a game	video or animation.	
	Dangers of communicating	measurements;	achieve a	a 2D net.	environment and	Create, edit and refine.	
	on devices such as x-box,	model a real life	specific goal.	Explore	quest.	Incorporate filming	
	PSP, phones.	problem; plan a	Simulate a	possibilities of 3D	Evaluate own	techniques, sound	
	Can they verify information	cake sale; use the	physical	printing.	and others'	effects, music.	
	they have researched using	count tool to	system.		games.	Create a film for school	
	more than one site.	answer	Introduce			website on a topical	
	Discuss positive and	hypotheses; create	variables.		Design a	subject.	
	negative impacts of using	simple formulae.	Create and		program which		
	IT.		improve a		interacts with		
	Understand they should		game.		external		
	not publish other people's				controllers.		
	pictures or tag them on the						
	internet.						
	Do they know content put						
	online is extremely difficult						
	to remove?						
	Create a strong password						
	and realise they need to be						
	regularly updated.						
	Know where they can						
	access support regarding						
	online incidents.						
	E Safety – revisit and reinforce at the start of each term.						

Using technology – reinforce across the curriculum.

Download a document and save it to a computer or given device.

Decide which sections are appropriate to copy and paste from a variety of web pages.



Year 6	E-Safety	Data retrieving	Algorithms and Programs	Communicating	Communicating /
	Use and amend own	and organising		/ Presentation	Presentation Create a
	privacy settings to keep	Use spreadsheets	Understand computer networks	Create a non-	multimedia
	themselves safe.	in a real life	including the internet; how they	linear	presentation.
		situation to	can provide multiple services, such	presentation.	Confidently use text
	Can they understand that	investigate	as the world wide web; and the	Make quizzes	formatting tools.
	some malicious adults may	probability,	opportunities they offer for	with different	Explore menu bar and
	use various techniques to	calculate	communication and collaboration	question types.	experiment with images.
	make contact and elicit	discounts/final e.g.	Design and write a more complex	Make a quiz	Presentation to include:
	personal information?	prices in a sale,	program.	that requires a	Sound, animation, video,
	Understand dangers of	plan how to spend	Introduce functions.	player to search	buttons to navigate.
	chatting/meeting up with	pocket money,	Introduce variables.	a database.	Consider design
	online 'friend'.	plan a school	Use flow charts to test and debug a		principles, make
	Can they understand the	charity day.	program.		independent choices
	term peer pressure and		Create and improve a game.		about the best media to
	how powerful the emotion				use considering needs of
	of 'feeling left out' can be?				the audience and the
	Can they explain why				impact the presentation
	people may publish				will have.
	content on the internet				
	that is not accurate?				
	Can they identify and				
	recognise the potential				
	risks of scamming and				
	phishing?				
	Do they understand the				
	concept of being a good				
	digital citizen?				



Can they access support surrounding incidents online?					
E Safety – revisit and reinforce at the start of each term.					
Using technology – reinforce across the curriculum. Use tabs to make a comparison of a website.					