



	Тор		Торі	ic 2	Тор	oic 3	Online	Safety
	1 input + smal		1 input + smal		1 input + small group focus		3 circle times + co	ntinuous provision
	Computational Thir	nking - Instructions	Beebot - Instructions		Beebot - Sequences		Topic 1: What do you do online?	
N							<u>-</u>	Friends (Watching
	FYFS observ	EYFS observation sheet		EYFS observation sheet		EYFS observation sheet		hinkUKnow
Asses	LITS observation sheet		ETT 5 Observation sineet		2110 00001		Topic 3: Digiduck's big decision	
		T = =		T =				online safety units
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	Know that an	To be able to	Know that we can	To control a	Know that putting	To be able to	To know what	Understand that
	instruction tells	guide another	use instructions to	Beebot using	instructions	reach a	apps / sites they	they must ask for
	someone or	child with simple	control objects and	single steps.	together in order	destination in	are allowed to	permission when
	something what to	instructions.	computers.		is a sequence.	using a sequence	use in the	using the
	do.			To use single step		of steps.	classroom.	internet.
		To be able to use	Know the terms:	instructions to	Know that a			
	Know the terms:	simple directional	Forward	reach a specific	sequence of	To make the	To know what	Understand how
	Forward	language.	Front	destination.	instructions must	Beetbot move in a	websites look like	to ask for help
	Front		Backwards		be followed in	simple sequence	and recognise	from a grown up.
	Backwards	To give	Back	To evaluate the	order.	of steps.	when they have	
	Back	instructions in	Move	effectiveness of			left a safe site.	Understand that
	Move	simple, individual	Step	instructions by	Know the terms:	To use and		they must only
	Step	steps.	Command	checking if the	Forward	respond to	Know they should	use agreed apps /
			Turn	beebot reached	Backwards	subject specific	ask for help if	sites they have
			Clear	the destination.	Move	language (as	they feel unsafe.	permission for.
			Go		Sequence	listed in		
					Command	knowledge)	How they use the	Understand that
					Turn		internet	they must be a
					Right			good friend
					Left		Some devices are	online.
					Clear		connected to the	
					Go		internet	
							Know the terms:	
							Online	
							Арр	
							Website	
							Computer	
							Tablet	
							Laptop	
							Phone	





				0					
							Online, Internet,		
							devices, screens,		
							computers,		
							videos, shows,		
							TV, games,		
							television, watch,		
							safe, staying safe,		
							adult, trust,		
							friends, family.		
Continuous	Knowledge				To Know How To				
Provision	I know basic equipmen	nt.			I know how to turn	basic equipment on	and off.		
(Opportunities	I know you can operate	e the bee bots.			I know how to operate the bee bots with some support.				
to access these	I know the names of so	ome parts of the com	puter.		I know how to name some parts of a computer				
skills at all	I know the names of so	ome parts of a tablet.			I know how to name some parts of a tablet.				
times)	ا know you can take a	picture using a tablet	•		I know how to take a picture using a tablet.				
	I know you can draw u	sing the mouse.			I know how to draw with some control using the mouse.				
	I know where to find th	he letter for the start	of my name on the ke	yboard.	I know how to use a mouse with increasing control.				
	I know I can play simpl	le preloaded games o	n the whiteboard.		I know how to find the letter for the start of my name.				
	I know I can play simpl	le reloaded games on	the computer.		I know how to play	simple preloaded gai	mes on the whiteboard.		
	I know I can to take tur	rns using the comput	ers and whiteboard.		I know how to take turns using the computers and whiteboard.				
	I know how to play preloaded games on the computer u							mouse.	
Key Vocabulary	Computer Tablet Pho	omputer Tablet Phone Camera Mouse Keyboard Whiteboard Bee bot online app website forward front backwards back move step command turn							
	clear go								





	Торі	c 1	Торі	ic 2	Тор	ic 3	Online	Safety
	1 input + small	T	1 input + smal		1 input + sma	II group focus	7 circle times plus c	ontinuous provision
R	Computer Scie	nce - Beebot	Computer Science	e – Code-a-pillar	Computer Science - Beebot		Topic 1: Smartie the Penguin	
							Topic 2: Project Evolve : Personal or	
	EYFS observa	ation sheet	EYFS observation sheet		EYFS observation sheet			ate?
Asses							-	d Friends (Sharing
							•	ThinkUKnow
	,	· · · · · · ·	,	1				online safety units
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	Know a sequence of	To follow a	Know that	To give a	Know that	To create an	To know who can	Children
	instructions can be	sequence of	instruction can be	sequence of	instructions must	obstacle course to	help if something	understand that
	recorded, tested and	commands to	given in different	commands to	be linked to create	manoeuvre 'Dash'	goes wrong	they need an
	improved.	reach a given	ways.	reach a given	a sequence.	around.	online.	adult with them
		destination.		destination.				when using the
	Understand these		The importance of		Instructions can	To be able to use	To know there can	Internet.
	words:	To record a	looking after toys	To be able to use	include sound,	simple directional	be a risk online or	
	Sequence	sequence of	and electrical items	directional	light and	language.	in the real world.	Children recognise
	Direction	commands to	carefully.	language to avoid	movement.			who they can ask
	Left turn	reach a given		an obstacle.		To be able to use	To know what	for help and know
	Right turn	destination.	Understand these		Understand these	the iPad to create	apps / sites they	when they need
	Clear		words:	To be able to use	words:	a simple	are allowed to use	help.
	Go	To be able to use	Sequence	the Code-a-Pillar	Robot	programme.	in the classroom	
		simple directional	Sound	blocks to create a	iPad		and at home.	Children
		language. To be	Move	sequence	арр	To be able work		understand that
		able to distinguish	Blocks	including	programme	together to	Identify and name	they need to
		left from right.	Test	movement and	instructions	programme Dash.	examples of their	share equipment
			Improve	sound.			own personal	and take turns.
		To be able to					information.	
		successfully move		To be able to use				Children recognise
		the bee-bot from		a repeat to make			Understand these	the impact of
		one location to		a continuous			words:	good choices and
		another.		sequence.			Adult	consequences of
							Trust	wrong ones.
							Share	
							Choice	
							Tablet	
							Deleted	
							Block	
							personal	
							private	





Continuous Provision	Knowledge	To Know How To
	I know where to turn the computer on and off properly.	I know how to turn the computer on and off.
	I know I can operate and program bee bots.	I know how to operate the bee bots and program them to move.
	I know I can operate and program the code-a-pillar.	I know how to operate the code-a-pillar and program them to move.
	I know I can operate and program the dash robot.	I know how to operate dash and program them to move.
	I know I can complete a simple program on the computer.	I know how to complete a simple program on the computer.
	I know I can draw pictures using 2paint or 2simple.	I know how to draw pictures on the computer using 2paint or 2simple.
	I know I can play and access different games on Busy Things and Education City.	I know how to play different games on Busy Things or Education City.
	I know I can use touchscreen devices.	I know how to choose games on Busy Things or Education city.
	I know I can take a picture on a tablet.	I know how to use touchscreen devices.
	I know I can type my name using the keyboard.	I know how to take pictures using a tablet.
	I know I can stay safe online by following Smartie the Penguin's advice.	I know how to type my name using the keyboard.
	I know I can use a mouse to navigate around programs.	I know how to say how to stay safe online and follow Smartie the Penguin.
	I know I can select different types of technology for different purposes.	I know how to use a mouse accurately to navigate around the program.
	I know I can create a video of record a story.	I know how to select different types of technology for different purposes.
	I know I can use the IWB to play different games.	I know how to create a video or record a story.
	I know I can to draw using the IWB and pens.	I know how to use the IWB to play games.
	I know I can to change colours for my drawings.	I know how to draw using the pen on IWB.
	I know I can save a piece of work with support.	I know how to change colours for my drawings.
	I know I can label a picture.	I know how to with support save my work.
	I know the names of the different parts of the computer.	I know how to label a picture.
	I know the names of the different parts of a tablet.	I know how to name the parts of a computer.
	I know I can take turns using the computers and whiteboard.	I know how to name the parts of a tablet.
	I know the importance of screen time.	I know how to take turns using the computers and whiteboard.
(ey /ocabulary	Screen Monitor Keyboard Mouse Phone Tablet Camera App Online Internet G Education City 2simple 2paint Smartie the Penguin Record Video Photo robot in blocks test improve go clear right turn left turn direction sequence	ame Code-a-pillar Dash robot Log in Exit Back Label Type Click Save Busy things pad share choice adult trust programme instructions sequence sound move





	Торі		Торі		Тор		Online	Safety
	6 lessons + 1 onlin		6 lessons + 1 onlir		6 lessons + 1 onl		3 les	
1	iPad Phot	ography	Digital Drawing	g and Writing	What is an algorithm?			d Friends (Playing
Asses	Key Task: To take a photo and add shapes, arrows and text to explain the image on iPad.		Key Task: To use computer based drawing tool and word processing to create a document including a picture and text.		Key Task: To write an algorithm to draw a character and use debugging to improve it. [unplugged activity]		Games) – ThinkUKnow Topic 2: Project Evolve: Personal Information and asking for help Topic 3: Chicken Clickin' No Key Task for online safety units	
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	That a computer is a	Identify examples	That a computer can	Turn on and log	To understand why	Write an algorithm	Know what	Recognise the
	part of IT.	of computers	be used to create a	into a laptop	we need to	using words,	personal	Internet as an
	'	,	document.	independently.	evaluate	pictures or	information is and	exciting place to be
	Know that you can	Describe some		, ,	algorithms.	programming	who you can share	but understand the
	use an iPad to take a	uses of computers	Computers can allow	Open a program		blocks.	it with.	need for a balance
	picture.		you to edit text	on a computer	To understand why			in how they spend
		Use a mouse to	easily.	from the desktop	sometimes	Use testing	To know why it is	their time and
	Know that photos can	open a program.		or start menu.	algorithms might	(evaluation) and	important to	make good choices
	be stored on an iPad.		When word		need debugging.	debugging to	always ask a	about age
		Unlock an iPad	processing, text will	To open a word		identify errors in	trusted adult	appropriate
	There is a front and	screen and safely	automatically move	processor or	To know an	an algorithm.	before sharing any	activities.
	back camera on an	hold it with 2	to the next line when	drawing program	algorithm is a		personal	
	iPad.	hands and rest it	a line is full.		sequence of	Accurately	information online,	To identify
		safely on a table to		Use the mouse (or	specific instructions	sequence	belonging to myself	personal
	An iPad is a type of	operate.	What the impact of	trackpad) to draw	to reach a	instructions to	or others.	information.
	tablet, what they are		using bold, italics	using illustrations	repeatable result	meet a given goal.		
	used for and how	Use the home	and underline	on screen.	Understand these		Know that they	Understand who to
	they can be used	button and	formatting is.		words:	Suggest	must keep	tell when they see
	safely.	touchscreen on an		Use the keyboard	Algorithm,	improvements to	passwords private.	something that
		iPad	What the impact of	to add text on	debugging,	ensure a given		makes them
	Features of a good		using colour, tools	screen.	evaluation,	algorithm meets a	Know that some	uncomfortable and
	photograph.	Open apps on the	and size formatting		forwards,	specific goal.	apps and games	make sure an adult
		iPad – camera,	is.	Use paint to	backwards, turn,		may request or	knows what they
	Understand these	photos and		create simple	control, app	To follow an	take payment for	are doing.
	words:	seesaw.	Computers and allow	pictures.		algorithm and	additional content	
	Zoom	Han ton to facility	you to arrange your			suggest	(e.g. in-app	To understand that
	Save	Use tap to focus to	work with images	Use a range of		improvements –	purchases,	purchases made
	App IPad	take a clear photo	and text.	tools (pen, pencil,		evaluation.	lootboxes).	online cost money.
		using both the		brush) to create			Understand these	
	Angle	front and back		marks on a screen.			Understand these	
	Camera	camera.					words:	





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QR Code		Saving work allows	To use the shape	To be able to write	Browse, stranger,	To understand that
Tool	Position the	you to reopen work	and line tools to	an algorithm using	personal, share,	they must ask to
Icon	camera on an iPad	at a later date.	recreate the work	arrows.	private, online,	use the internet.
Focus	to include the		of an artist		purchase	
Framing	subject of the	Understand these		To test and debug		To understand the
compose	photo.	words:	To make marks	an algorithm		risk of meeting
edit		Sign In	with the square			someone they have
	Use lines, shapes,	Save	and line tools	To be able to write		met online.
	arrows and text to	Computer		a precise algorithm		
	annotate an image.	Keyboard	Use formatting	for something they		Explain the
		Screen	tools to change	have created.		importance of
	Use the keyboard	program	the size, colour	- 1 11 1		seeking permission
	to type on an iPad	tool	and effect of	To be able to move		from a trusted
	including capitals	paintbrush	drawing tools and	a character on an		adult before
	and lowercase	erase	text.	on screen program		purchasing
	letters.	fill		To create and		anything online or
		undo	Use a computer to	debug simple		offline.
	Upload work to	type	create simple text	algorithms		
	seesaw.	document	documents.	aigoritiiiis		
		Back space		To evaluate their		
		Space bar	Locate all keys	algorithms and		
		Bold	needed to write a	debug if necessary.		
		Italic	simple sentence.	debug ii fiecessary.		
		underline		To be able to use		
			Use the speech	an on screen		
			tool to listen back			
			to text.	program to create		
				and debug simple		
			To save or open a	algorithms.		
			document			
			To use letter,			
			number,			
			backspace and			
			Space keys			





	Topi			pic 2	•	oic 3	Online	•
	6 lessons + 1			line safety lesson	6 lessons + 1 onl		3 les	
2	Staying Saf	e Online	Scratch Junior		Presenting Information		Topic 1: Barefoot Computing – Safety Snakes	
Asses	Key Task:		Key Task:		Key Task:			
	To create online profile	•	To create a simple quiz using Scratch Jr.		To create a PowerPo	int presentation	Topic 2: Project Evo	
	information which is sat	fe to share online					and asking	•
							Topic 3: Tek The N	•
							No Key Task for o	
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	Know common uses	Explain know to use	Know what an	Open an iPad app	To know the main	To edit the	Know what makes	Recognise the
	of IT and how they	their knowledge	algorithm is.	independently.	features of a	transition between	a password secure.	need to keep
	can be used together.	about staying safe			presentation.	slides.		personal
		in the real world to	Know what the	Use an algorithm to	_		Know how to	information and
	Know the risks and	the online world.	impact of a repeat	make an image	To name some of	To save and load	report concerns,	passwords
	opportunities of		is within a set of	move on the screen.	the most popular	independently.	including online	private.
	being an digital	Explain to other	instructions.		presentation		bullying.	Identify who to
	citizen	how to stay safe		Navigate on screen	applications.	To set the		turn to for help
		online.	Know why we use	options on Scratch		presentation	Know that any	and support.
	Know what personal		events such as	Jr.	To know what	theme.	personal	
	information is: name,	Understand how to	wait, start and end.		should go on a slide		information they	Recognise the
	school, address,	get help if they are		To identify the start	to make it easy to	To use slide	put online can be	need for a secure
	password, phone	worried about	Know the different	of a sequence	read / understand	transitions.	seen and used by	password and
	number, photos,	something online.	colours refer to		to know that		others.	evaluate some
	location and parent's		different types of	To identify that a	different slide	To use animations		example
	finance/personal	To understand their	blocks.	program needs to	layouts are	to introduce	Know the impact of	passwords.
	information.	responsibility as		be started	available	objects to a slide.	spending too much	
		digital citizens.	Know common				time online.	Ask for permission
	Know that personal		programming	Order instructions	To know that	To access Slide		and tell an adult
	information should be	Learn to identify	blocks in ScratchJr	to create an	images, text boxes	Sorter View.	Recognise some	what they are
	kept private.	websites and apps		algorithm.	and text can all be		sources of support	doing online.
		that safe and	Know that a sprite		formatted.	To drag slides to	in different	
	Know what to do if	understand others	moves on a	To predict the		reorder.	contexts (e.g.	Suggest ways
	they see something	may be risky.	background in	outcome of a	Understand the		school, home,	privacy settings
	inappropriate (turn		ScratchJr	sequence of	words:	To use different	online).	can help keep
	screen off / close lid	Learn that the		commands	Presentation,	options to present.		personal
	on laptop)	information they	Know that it is		Microsoft		Understand why	information safe.
		share online leaves	useful to create a	Sequence	PowerPoint,	To insert an image	people sometimes	
	Know who to speak to	a digital footprint	design before	programming blocks	OpenOffice	from a folder.	don't ask for help	Recognise how to
	if something upsets	or "trail".	writing a program	and pages blocks to	Impress, Google		when being bullied.	balance time
				create a program.	Slides, Apple			online vs offline.





them (parent, teacher	Explore what	What debugging a		Keynote, slide, New	To copy an image	Understand the	
or adult they trust).	information is OK	program means	Use variables to	slide, slide layout,	from another	words:	Explain why
	to be shared online		define speed,	text box, format,	source.	balance	spending too
Begin to understand		Understand the	distance, time and	font, colour,		unplugged	much time using
that not everything	Stay safe online	words:	on screen text.	background, line,	To resize an image.	disconnect	technology can
on the internet is	and recognise that	predict		Image, picture,		technology	sometimes have a
safe.	it is similar to	Sprite	Test, evaluate and	photo, format,	To add a new slide	bullying, mean,	negative impact
	staying safe in the	Character	improve (debug) a	insert, copy, folder,	and set or change	support, network,	on anyone, e.g.
Understand the	real world.	Execute/run	program.	network, aspect	the slide layout.	report	mood, sleep,
words:		Algorithm		ratio, Slide, Slide			body,
Online		Backdrop/ Stage	Save a program in	Sorter View, drag,	To insert a text box		relationships.
Private		Sequence	ScratchJr	present, Theme,	and add text.		
Trail		Animation		transition,			Give some
Permanent		Debug	Record the screen	animation, slide,	Format a text box		examples of both
Digital footprint		Program	on an iPad.	object, present,	and text		positive and
Information		Screen recorder		evaluate, edit			negative activities
Pledge		Seesaw	Upload work to		To organise my		where it is easy to
Digital citizen		design	seesaw.		presentation into		spend a lot of
Password		evaluate			main ideas.		time engaged (e.g.
Username		blocks					doing homework,
Avatar		command					games, films,
Trust							videos)
Trusted adult							





	Торі	c 1		pic 2	Тор	oic 3	Online	Safety
	6 lessons + 1 onlir	ne safety lesson	6 lessons + 1 on	line safety lesson	6 lessons + 1 onl	ine safety lesson	3 les	sons
3	Netwo	orks	Scratc	h Music	Green Scr	een Video	Topic 1: Think U Kno	ow – Play Like Share
Asses	Key Task:		Key Task:		Key Task:		Topic 2: Project Evolve: Ownership and	
	To identify the devices	on the school's local	To create an algorith	m, including at least	To create a news inte	erview add suitable	Сору	_
	area network and expla	in how they allow us	one repeat, to write a piece of music		background using gre	een screen app	Topic 3: Webster's Friend	
	to save and open a file.				(Dolnk)		No Key Task for online safety units	
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	Know what a network	Identify the	To identify that	To choose a word	To understand the	To investigate the	To know some	Explain who they
	is.	different parts of	each sprite is	which describes an	use of green	use of a picture	information we	can trust online.
		the schools	controlled by the	on-screen action for	screen and	background	find online may not	
	Know the similarities	network.	commands I	my plan	computer	combined with	be real or true.	Explain who to tell
	between using digital		choose		generated video	picture foreground		about what they
	devices and using	Explain how I use		To create a program	effects.		To know who to	are doing online
	non-digital tools	digital devices for	What a sequence is	following a design		To take a photo	ask for help when	
		different activities			To understand	making sure all the	experiencing	Demonstrate safe
	Understand the term		The difference	To identify the	where green	photo has green	problems online.	behaviours
	Local Area Network	Identify different	between hardware	objects in a Scratch	screen technology	screen in the		regarding
		clients on our	and software	project (sprites,	has been used in	background.	To know the risk of	passwords and
	Understand that a	school network –		backdrops)	films		meeting someone	private
	network can include	computer, laptop,	Know what an			To investigate the	you met online.	information
	physical and wireless	tablets.	algorithm is.	To explain that	To understand how	use of a picture		
	connections.			objects in Scratch	layers of video can	background	To understand that	Evaluate positive
		Use the correct	To know the	have attributes	be combined.	combined with	we all have rights	and negative social
	Understand the	terminology for our	purpose of physical	(linked to)		video foreground	over the content	behaviours online
	functions of a LAN	school's	inputs and outputs.		Understand the		we create	
	including saving,	technology.		To recognise that	words:	To film a video		Understand the
	printing and		Understand the	commands in	green screen,	with an image in	To know that whilst	different feelings
	connecting to the	Draw a simplified	words:	Scratch are	computer	the background.	the internet may	they may
	internet.	plan of our school's	Scratch,	represented as	generated, film,		be 'Free' not all	experience and
		local area network.	programming,	blocks	angles, layers,	To take a video	content is 'Free to	how these can
	Know the role of		blocks, commands,		photo, camera,	making sure all the	use'	change.
	different parts of our	Explain how a file is	code, sprite, input,	Use variables to	seesaw,	video has green		
	school's network	saved or opened	output, costume,	define pitch and	background,	screen in the	To know the	Know screen use
	(including server,	on our school	stage, backdrop,	duration of a	foreground,	background.	difference between	can affect the way
	switch, wireless	server using a	motion, turn, point	musical note.	graphics, purpose,		the internet and	we feel, and that
	access point, firewall,	diagram.	in direction, go to,		share, pre-	To investigate the	the WWW.	it's different for
	router, clients,		glide, Sequence,	To start a program	recorded, plan,	use a video		each person and
	printers).		event, task, design,	in different ways	timeline, script,	background		start forming
			code, run the code,			combined with		health habits.





To Know How To the	Sequence, o	order,	Experiment with	live, images,	simple video		
devices in the	note, chord,	, debug,	changes in variable	animation	foreground	Recognise when	To evaluate digital
school's network	debugging,		and note the			something	content and can
operate together.	instructions	s, steps,	impact.		To import media	encountered online	explain how to
	algorithm, re	epeat,			into a green screen	'doesn't feel right'	make choices
Understand the	repetition		To create a		program as the	J	about what is
words:			sequence of		background.	Identify and resist	trustworthy e.g.
Computer network			connected			pressurising and	differentiating
Save/open			commands		To plan a green	manipulative	between adverts
Local Area Network					screen sequence	behaviour	and search results.
Device			To explain that the		using a timeline.		
Server			objects in my			Identify some risks	
Wireless			project will respond		To import media	of sharing photos,	
Switch			exactly to the code		into a green screen	videos and	
Router					program	comments publicly	
Modem			To combine sound			comments publicly	
Firewall			commands		To edit a green	Explain what	
Client					screen project,	privacy settings are	
Printer			To order notes into		trimming media	used for and how	
			a sequence		and adjusting video	they can help	
					volume.	they can help	
			To write an			Cive everendes of	
			algorithm using		To combine a	Give examples of how a child's online	
			programming blocks		range of tools	actions can affect	
			in scratch		within a green	others	
					screen video.	others	
			Use repetition to			Understand the	
			reduce the number			words:	
			of steps needed in			comment	
			an algorithm			share	
						report	
			Use debugging to fix			block	
			errors in an			copyright, free to	
			algorithm.			use, ownership,	
			To the wife of			rights,	
			To identify and			consequence, copy,	
			name the objects I			permission, usage	
			will need for a			rights, stranger,	
			project			Harres, Stranger,	





companing currentum overview										
	To implement an	online, real, fake,								
	algorithm as code	trust								
	To use hardware to create inputs for a program									
	Use a program to control a physical device.									





	Торі	c 1	Тор	pic 2	Тор	pic 3	Online	Safety
	5 lessons + 2 onlii	ne safety lesson	6 lessons + 1 on	line safety lesson	6 lessons + 1 on	line safety lesson	4 les	sons
4	Understanding Dat	a – Spreadsheets	Staying S	afe Online	Programming - Microbits		Topic 1: Digital	Wellbeing 1 + 2
	Key Task:		Key Task:		Key Task:		Topic 2: Project Evolve: Misinformation	
A	To be able to collect da	ta, enter into cells	To create a guide to h	now to stay safe	Create a game on sci	ratch using	and H	
Asses	and use a formula to ac	dd the contents of 2	online		conditionals (when .), repeats and	Topic 3: #goldilocks	
	cells together.				variables.		No Key Task for online safety units	
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	Know what a	Open and use MS	Understand about	Identify things	To understand	Control a micro:bit	To know what is	Children
	spreadsheet is and	excel.	apps' and services'	online they do not	decomposition	with a range of	safe to share about	understand the
	that it can be used to		community	like, know how to		input actions to get	themselves online.	need for rules to
	carry out maths.	Add data to a	standards, or	tackle them and	To understand the	my desired output		keep them safe
		spreadsheet.	terms of service –	how to report	use of repetition	action	To know what	when exchanging
	Know what		as well as online	them.			information should	ideas online.
	information and data	Select and edit	tools for reporting		To begin to	Order events as	be kept personal	
	are.	data in a	abuse.	Talk about why and	understand	part of an	and not shared	Children
		spreadsheet		when to report the	conditionals	algorithm	online.	understand that
	Know that MS Excel is		Understand	abuse – and the				an adult needs to
	a program used to	Choose and apply	specific ways to	online spaces	To understand	Organise	To know that	know what they
	create spreadsheets.	an appropriate	respond to	where they can	inputs and outputs	information in a	information shared	are doing online
		format for a cell	bullying when you	report to.		logical way.	online can be seen	and understand
	To know that a		see it.		Understand the		by different	how to report
	formula must start	To save a		Know how to	words:	To use	audiences.	concerns,
	with an equals sign	spreadsheet and	Recognise	identify, and	inputs, algorithm,	decomposition to		including online
		open to edit or	upsetting content	respond to,	sequence,	create a dance	To know the	bullying.
	To know that the	update.	and understand	situations of	program, input,	sequence	difference between	
	division symbol is /		what to do when	harassment or	output, LED (light		sharing publically	Children
		Calculate data	they encounter it.	bullying online.	emitting diode),	To create a	and privately.	understand that
	To know that the	using different			flipbook,	flipbook animation		any personal
	multiplication symbol	operations.	Understand it's OK	Identify who they	animation, repeat,	of a dance	Identify how	information they
	is *		to feel scared or	can talk to about	flowchart, oval,	sequence	people can have	put online can be
		Use formula to	sad when you see	upsetting content –	rectangle, block,		lots of different	seen and used by
	Know that, when	carry out addition,	something	and how to	delay, process,	To write simple	feelings at the	others.
	using formulae,	subtraction,	upsetting on (or	approach a	start, end (stop),	flowchart	same time.	
	changing inputs	multiplication and	off) a screen.	conversation.	flowchart,	algorithms using		Children recognise
	changes outputs	division operations.			decomposition,	repetition	Identify strategies	that they can use
			Who they can go	Use messages and	editor, simulator,		for developing	online tools to
	Understand the	Locate a cell with a	to if they need	comments on	block, process,	To write programs	healthy digital	collaborate and
	words:	specific reference	help with		product,	based on	habits.	communicate with
	Data	on a spreadsheet			conditional,	algorithms using		others and the





Cell		something online.	learning platform	condition, if, then,	repetition	To know what is	importance of
Column	Apply a formula to		respectfully.	loop,		meant by a 'hoax'.	doing this
Row	multiple cells by	Know what a			To decompose a		responsibly,
Sort	duplicating it	social media site is	To create stronger		process into stages	Know what is	choosing age-
Formula		and the age	passwords and			meant by fake	appropriate
Sum	Use the auto sum	restrictions.	know not to share		To construct simple	news.	websites.
Sheet	tool		them with friends.		flowchart		
Spreadsheet		Know that it's hard			algorithms	Understand the	To explain why
Cell reference	Apply a formula to	to fully understand	To identify			words:	someone would
	calculate the data I	the meaning	situations when it's		To use repetition in	reputation	need to think
	need to answer	behind online	better to wait to		algorithms	public	carefully before
	questions	content.	communicate face-			private	they share.
			to-face with a peer		To follow an	share	
		Know everything	than to text them		algorithm	Online	Children recognise
		online comes from	right away.		accurately to write	Offline	the effect their
		a range of sources			a program	Anonymous	writing or images
			Consider their			Risks	might have on
		Know how to find	digital footprints		To use repetition in	Pretend	others.
		credible	and be mindful		a program	screen time	
		information	about what they		effectively	wellbeing	To understand the
		online.	read or post online,			feelings	impact of sharing
			knowing that it can		To test and debug	impact	information
		Know how to	be misinterpreted		programs and	habits	online.
		make strong			algorithms	healthy	
		passwords to	Know how online			unhealthy	To understand
		secure their	content can be		To begin to use	balance	how quickly
		information	interpreted in		conditional loops	hoax, share,	others can see
		online.	different ways			motivation,	information you
			through the eyes of		To explore block	disinformation	share online.
		Know ways in	different people.		based		
		which they can be			programming using		Recognise the
		kind to others	Demonstrate ways		prior knowledge		different feelings
		online.	of protecting their				they may
			online reputation.				experience when
		Identify ways in					online
		which they can	Identify ways of				
		secure their	working out				Identify how
		information online	whether				screen activities
		by creating strong	information online is				and habits can
			reliable.				





	passwords.			affect people in
				different ways.
	Identify what they			Identify some
	can do to be kind			activities and
	online.			habits as having a
				good, or not so
	Know how they			good, impact on
	can protect their			the way people
	online reputation.			feel.
	Know how privacy			
	setting can keep			
	you safe online.			
	Know how to work			
	out whether			
	information online			
	is true and reliable.			
	Understand the			
	words:			
	staying safe,			
	online, public,			
	private, digital			
	footprint, personal			
	information,			
	protect, positive,			
	negative, kindness,			
	profile, real, fake,			
	sources, password,			
	upstander, help,			
	trusted adult,			
	mean, rude, bully,			
	bullying, help,			
	report, guidelines,			
	CEOP, NSPCC, risk			





5	6 lessons + 1 onlin Networks and t		6 lessons + 1 on	lina cafaty laccan	6 lessons ± 2 onli	no cofoty loccon	4 los	
5	Networks and t		6 lessons + 1 online safety lesson		6 lessons + 2 online safety lesson		4 lessons	
	Networks and the internet		Crumble Controllers		Collaborative Working		Topic 1: Digital Wellbeing 2	
Assess k	Key Task: To create a w	ebpage to explain	Key Task: To design, program and test a carousel with a crumble controller.		Key Task: Create a Google Slide		Topic 2: Project E	
t	the WWW is and how se	earch engines locate			presentation about A	frican animals.	Prob	
i	information.						Topic 3: But it	
					1		No Key Task for online safety units	
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	Know what a Wide	Use diagrams and	Know the uses of	Plan and implement	To understand	To deliver a	To understand	Children can
	Area Network is.	text within content	computing in the	a program using	and use	presentation	some of the	create a secure
		blocks on an	world.	inputs and outputs.	transitions and		difficulties some	password.
	Know what a packet	itslearning page.			animations.	To evaluate the	people may have,	
	is.		Understand the	Test and evaluate a		work of others.	including online	To describe what I
		Understand that	terms upload and	program at regular	To know what can	To reflect on their		can do to support
	Understand	webpages are built	download.	intervals during	be included in a	own work.	To understand how	others online,
	computer networks	up of containers.	Ta linavi uhat an	development.	presentation slide		to report problems	both friends and
"	including the internet	Dania ta	To know what an	Daharanahlana		To create a	online and can	people I know less
	V l + + l	Begin to	infinite loop does	Debug problems	To locate the key	presentation	name a number of	well
	Know what the internet and World	understand how	To know that a	while programming.	tools within	within google	reporting routes that I could use or	Children
		html can be edited		To arosto a simple	google slides: new	slides using insert		understand
'	Wide Web are.	to change a	condition is either	To create a simple circuit and connect	slide, layout, text	slide, slides layout,	suggest to	
1 1.	Understand how	webpage.	true or false	it to a	box, theme	text box, images	someone else	appropriate and inappropriate use
	search engines work	Explain how the	To know that a	microcontroller			To know some	of the Internet
	(selecting, sorting and	internet provides	condition being	inicrocontroller	To understand	To evaluate the	strategies, tips or	including excessive
	ranking)	access to the	met can start an	To program a	usage rights.	use of layout	advice to promote	use.
'	ranking)	WWW.	action	microcontroller to	Know that more	features within a	health and	use.
	What the internet is.	vv vv vv.	action	make an LED switch	than one person	slide of a	wellbeing with	Children recognise
'	wildt tile lilterliet is.	Explain the	Understand the	on	can contribute to	presentation	regards to	the risks and
	Know there is a	difference	words:	011	a single		technology.	rewards of using
	different between	between the	Inputs	To connect more	document.	To add and	teermology.	Internet
	the internet and the	internet and the	Microcontroller,	than one output		respond to	To know common	communication
	WWW.	world wide web.	components,	component to a	To know the types	comments on	systems that	tools and
		world wide web.	connection, infinite	microcontroller	of files that you	google slides.	regulate age-	understand how
	Know that LANs can	Explain what the	loop, output		can use on google		related content	to protect
	provide multiple	world wide web is	component, motor,	To use a count-	drive	To format text and	(e.g. PEGI, BBFC,	themselves and
	services, such as the	used for.	repetition, count-	controlled loop to		objects in G Slides.	parental warnings)	the devices they
	world wide web	-	controlled loop,	control outputs	Understand the		and describe their	use.
		Demonstrate how	Crumble controller,	'	words:	To create a	purpose.	
		information is sent	switch, LED,			presentation	' '	





Understand the	as packets on a	Sparkle, crocodile	To design	collaborative,	within google	To know the	Children
opportunities LANs	network.	clips, connect,	sequences that use	slides,	slides using insert	pressures that	understand the
offer for		battery box,	count-controlled	spreadsheets,	slide, slides layout,	technology can	need to respect
communication and	Explain how a	program,	loops	presentation,	text box, images	place on someone	the rights of other
collaboration	search engine	condition, Input,		forms, drawings,		and how / when	users, and
	responds to your	output, Selection,	To design a	network, storage,	To add images to	they could manage	understand their
Know how content	search requests	condition, action,	conditional loop	cloud, files,	slides	this.	own responsibility
can be added and	and locate the	repetition, debug,		storage, layout,			for information
accessed on the	answer on the	variables,	To program a	format, title,	To work in a group	Know what Digital	that is shared and
World Wide Web	world wide web.		microcontroller to	content, hyperlink,	to plan a	Wellbeing means	how it may impact
(WWW)			respond to an input	slide, format,	presentation	to them.	on others.
	Create a web page			share, share,	·		
Understand how	that ranks highly in		To identify a	comment, @ /	To apply a theme	Identify how	Children recognise
keywords are used	search results.		condition and an	mention, present,	to a G Slides	screen activities	the need to
within an internet			action in my project	animation,	presentation	and habits can	choose age-
search				transition, full	To format text and	affect people in	appropriate games
			To use selection (an	screen	objects in G Slides.	different ways –	to play on their
Know that websites			'ifthen'			with both a	devices, and when
and their content are			statement) to direct		To know how to	positive and	to limit use.
created by people			the flow of a		effectively design a	negative impact on	
			program		slide as part of a	our Digital	Reflect on our own
Understand the					presentation	Wellbeing.	screen use.
words:			To identify a real-				
IP address			world example of a		To edit a shared	Understand the	Understand that
Services			condition starting		document using	words:	using technology
Packets			an action		google docs.	Addiction	can be a
Page ranking						time limit	distraction from
Selection			To create a detailed			balance	other things, in
URL			drawing of a project			age limit	both a positive
Hyperlink			and explain what it			PEGI	and negative way.
World Wide Web			will do			parental	Identify times or
Wide Area Network						digital, wellbeing,	situations when
Internet Service			To write an			balance, positive,	someone may
Provider			algorithm that			negative, influence,	need to limit the
Internet			describes what a			screen time,	amount of time
Search engine			model will do			impact, report,	they use
Copyright						help, bullying,	technology e.g. I
			To use selection to			NSPCC, CEOP,	can suggest
			produce an			trusted adult	strategies to help
			intended outcome				





				with limiting this
		To test and debug a		time.
		project		
				To understand
				that persuasive
				design are used to
				keep users
				engaged (current
				and future use).





	Topic 1		Topic 2		Topic 3		Online	Safety
	6 lessons + 1 onlir	ne safety lesson	6 lessons + 1 or	line safety lesson	6 lessons + 1 onl	ine safety lesson	3 les	sons
6	Video E	diting	Crumble Controllers		Online Safety		Topic 1: #LiveSkills	
Asses	Key Task: Produce a co	mplete video for			Key Task: To show empathy to the		Topic 2: Troll Stinks	
	school council campaig	n using editing			recipient of a negativ	e message and	Topic 3: Project Evo	
	features of imovie.				rephrase it using kind	der language.	Purch	
		T		T		T	No Key Task for o	-
	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To	To Know	To Know How To
	Know that video is a	Evaluate and	To know that a	Connect a sparkle	To understand	Identify ways in	Children know	Children
	visual media format	compare videos	wide range of	correctly as an	what having a	which they can	their own right to	understand how to
			input and output	output for the	positive digital	start to build a	be protected from	use social
	Know different	Know and	components can	crumble controller	footprint means.	positive digital	the inappropriate	networking
	software and	experiment with	be used within a			footprint.	use of technology	websites
	hardware that can be	different camera	computer	Combine knowledge	Explain what it		by others and their	appropriately,
	used to make a video	angles	program.	of electricity with	means to have a	Identify sources of	responsibility to	keeping an adult
	–clips, iMovie, DoInk			programming skills.	positive digital	support for	report concerns.	informed about
		To select	Understand how		footprint, and why	someone who is		their online
	Name some camera	appropriate	technology is used	Make and evaluate a	this is important.	worried about	Children know the	activity.
	shots / angles	software and	beyond the	computing project		anything online.	need to respect the	
	including close up,	hardware to	classroom.	including variables,	Explain things		rights of other	They make good
	longshot and the	complete a given		repetition and	someone can do	Know how to	users, and	choices when they
	impact of angles.	task.	To know what a	selection (eg if	to build a positive	develop	understand their	present
			sparkle is	else) based on a	digital footprint.	respectful,	own responsibility	themselves online.
	Know that videos are	Use video, picture		condition		empathetic and	for information	
	saved in different	and text to	Know about the		Know how to be a	healthy online	that is shared and	Children recognise
	formats for software	communicate an	life, work and	To use wide range of	critical consumer	relationships.	how it may impact	the appropriate
	and need to be	idea.	impact of Alan	input and output	while online.		on others.	online tools to
	exported when		Turing.	components within		Identify ways to		collaborate and
	complete.	Capture video		a computer program	Understand and	manage and	To know that	communicate with
		using a range of	Understand the		identify about	respond in a	others may not be	others,
	Know how effective	filming techniques	words:	Evaluate and debug	different online	healthy and safe	who they say they	understanding
	different techniques		decode, code,	each section of a	scams, including	way to hurtful	are online.	how to protect
	are within a video.	Use sounds, music,	cipher, logic,	program to ensure	what 'phishing'	online behaviour.		themselves from
		text, video effects	decomposition,	the finished product	means.		To know that not	online bullying or
	Understand the	and overlay/green	Enigma code, Alan	fits the brief.		Demonstrate	everything on the	causing hurt to
	words:	screen to create a	Turing, Bletchley		Describe ways to	ways to build	internet is true.	others, especially
	Mute	video.	Park, cross-		critically evaluate	positive and		when using social
	Voiceover		referencing,	Plan a computing	what we see on	healthy online	Understand self-	networks.
	Overlay	Save a video	collaboration,	project including	social media.		esteem and	
	Transition	during editing and	presentation,	variables, repetition			confidence in	





C	and a second second	annual la la la canadal		Eurolatia Islanda e 1. I	and attendation of	4 4 4	The demand of the C
Crop	export the finished	crumble, scratch,	and selection (eg if	Explain how social	relationships and	terms other than	Understand that
Footage	item.	block-based code,	else) based on a	media can mislead	friendships.	appearance	there can be good
Shots		program, sparkles,	condition	or misrepresent			or bad attention
Angles	Store, retrieve, and	micro usb port, +		reality.	Identify ways to	Understand what	online and in
Ken burns	export my	and – terminals,	To apply their		manage and	flattery might look	person.
Transition	recording using	proximity sensor,	programming	Identify sources of	respond in a	like	
Text	editing software	light sensor, LED,	knowledge to	support that can	healthy and safe		Identify ways to
Soundtrack		crumble, variable,	complete a task.	help friends and	way to hurtful	Understand the	build own self
Filter	Share ideas and	repetition,		peers if they are	online behaviour.	words:	esteem and begin
Edit	plan as a group for	conditional,	To use repetition	experiencing		Live Stream	to understand
Upload	a video making	selection, input,	within a program	hurtful behaviour	Describe	Self Esteem	their impact on the
Export	project.	output	To collaborate in a	online.	strategies they	Trust	self esteem of
Save			team to create a		can use to	reliable, positive,	others.
	To know the		presentation within	Know how mean	respond to hurtful	negative, body-	
	purpose of a story		a shared document	behaviour online	online behaviour,	image, flatter,	To identify
	board and use it to			can lead to	in ways that keep	compliment	untrustworthy
	plan a video		To research, create	conflicts at school.	them safer and	report	behavior online.
	pian a video		and present a		more healthy.	behaviour	
	Recognise that my		presentation about	Know online tools	more meaning.	benaviour	Recognise
	choices when		Alan Turing	for reporting	Identify ways to		characteristics they
	making a video will			abuse.	avoid escalating		like about
	impact the quality		For pupils to	abase.	conflicts online.		themselves
	of the final		evaluate their own	Identify different	connects online.		
			and others' work,	ways to step in	Identify specific		Share a
	outcome		according to given	and be a helper in	ways to respond		compliment based
			criteria	a specific	to bullying when		on personality to
				situation.	· -		someone else
				Situation.	you see it.		
			To understand how	On decrease and also	V		
			to decompose a	Understand the	Know how to		
			problem into smaller	words:	behave if you		
			parts, to help solve	online reputation,	experience		
			it	digital footprint,	harassment.		
				private, personal,	_		
			To use logical	information, point	Know how to		
			reasoning to work	of view, phishing,	recognise		
			through a problem	deceptive,	upsetting content		
			and solve a	disinformation,	and strategies for		
			challenging code.	misinformation,	refusing and		
				skeptical,	reporting it.		
				deceptive news,			





	To know how to apply algebra to crack a code.	scam, malicious, catfishing, conflict, bullying, cyberbullying, harassment, respect, healthy, empathy, kindness, conflict, bullying, cyberbullying, harassment, media, upstander,	Explain what to do or say when they see upsetting stuff online – and understand they can refuse to watch or engage with it.	
		report, online, NSPCC, CEOP		