



	EYFS Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Online Safety	I can speak	Know when and	Understand the	Understand that	Examine both	Learn the "What?	Reflect on how
One lesson	to an adult	why to take breaks	importance of	being a good	online and in-	When? How	balanced they
per half-term	about	from device time.	being safe,	digital citizen	person	Much?"	are in their daily
per nan-term	what a	Consider the	responsible, and	means being safe	responsibilities.	framework for	lives.
	content I	feelings of people	respectful online.	and responsible	Describe the	describing their	Consider what
	have seen.	around them, even	Learn the "Pause	online.	"Rings of	media choices.	"media balance"
		when engaged in	& Think Online"	Take a pledge to	Responsibility" as	Use this	means and how
	I can talk	fun online	song to	be a good digital	a way to think	framework and	it applies to
	about what	activities.	remember basic	citizen.	about how our	their emotional	them.
	I'm doing on	Learn why it's	digital citizenship	Recognise the	behaviour affects	responses to	Create a
	a computer.	important to be	concepts.	ways in which	ourselves and	evaluate how	personalised
		aware and	Recognize the	digital devices can	others.	healthy different	plan for healthy
	I can say if	respectful of	different kinds of	be distracting.	Identify examples	types of media	and balanced
	something I	people while using	feelings they can	Identify how they	of online	choices are.	media use.
	find	devices.	have when using	feel when others	responsibilities to	Begin to develop	Define "the
	on the	Learn the "Pause!	technology.	are distracted by	others.	their own	curiosity gap".
	internet	Breathe! Finish	Know what to do	their devices.	Define the term	definition of a	Explain how
	makes me	Up!" routine as a	when they don't	Identify ideal	"password" and	healthy media	clickbait uses the
	feel	self-regulation	have a good	device-free	describe its	balance.	curiosity gap to
	bad.	strategy for	feeling when	moments for	purpose.	Identify the	get your
		transitioning from	using technology.	themselves and	Understand why a	reasons why	attention.
	I can speak	technology to face-	Understand that	others.	strong password is	people share	Use strategies
	to an adult	to-face	being safe online	Recognise the kind	important.	information about	for avoiding
	about	interactions.	is similar to	of information that	Practise creating a	themselves	clickbait.
	what I have	Discover that the	staying safe in	is private.	memorable and	online.	Define "gender
	seen.	internet can be	real life.	Understand that	strong password.	Explain the	stereotypes" and
		used to visit	Learn to identify	they should never	Consider how	difference	describe how
	I can follow	faraway places	websites and	give out private	posting selfies or	between private	they can be
	the school's	and learn new	apps that are	information online.	other images will	and personal	present online.
	safer	things.	"just right" and	Learn that the	lead others to	information.	Describe how
	internet	Compare how	"not right" for	information they	make assumptions	Explain why it is	gender
	rules.	staying safe online	them.	share online	about them.	risky to share	stereotypes can
		is similar to staying	Know how to get	leaves a digital	Reflect on the	private	lead to
		safe in the real	help from an	footprint or "trail".	most important	information	unfairness or
		world.	adult if they are	Explore what	parts of their	online.	bias.
				information is OK	unique identities.		





Explain rules for	unsure about a	to be shared	Identify ways they	Define the term	Create an avatar
ravelling safely on	website.	online.	can post online to	"digital footprint"	and a poem that
the internet.	WCDSITC.	Compare and	best reflect who	and identify the	show how
ine internet.		contrast how they	they are.	online activities	gender
		are connected to	Define what a	that contribute to	stereotypes
		different people	community is, both	it.	impact who they
		and places, in	in person and	Identify ways	are.
			online.		
		person and on the internet.		they are and are not in	Compare and contrast different
			Explain how	control of their	kinds of online-
		Demonstrate an	having norms		
		understanding of	helps people in a	digital footprint.	only friendships.
		how people can	community	Understand what	Describe the
		connect on the	achieve their	responsibilities	benefits and
		internet.	goals.	they have for the	risks of online-
		Understand what	Create and pledge	digital footprints	only friendships.
		online meanness	to adhere to	of themselves	Describe how to
		can look like and	shared norms for	and others.	respond to an
		how it can make	being in an online	Define "social	online-only friend
		people feel.	community.	interaction" and	if the friend asks
		Identify ways to	Understand that	give an example.	something that
		respond to mean	it's important to	Describe the	makes them feel
		words online, using	think about the	positives and	uncomfortable.
		"S-T-O-P".	words we use,	negatives of	Recognise
		Explain how giving	because everyone	social interaction	similarities and
		credit is a sign of	interprets things	in online games.	differences
		respect for	differently.	Create an online	between in-
		people's work.	Identify ways to	video game	person bullying,
		Learn how to give	respond to mean	cover that	cyberbullying
		credit in their	words online,	includes	and being mean.
		schoolwork for	using S-T-O-P.	guidelines for	Empathise with
		content they use	Decide what kinds	positive social	the targets of
		from the internet.	of statements are	interaction.	cyberbullying.
			OK to say online	Reflect on the	Identify
			and which are not.	characteristics	strategies for
			Recognise that	that make	dealing with
			photos and videos	someone an	cyberbullying
			can be altered	upstanding digital	and ways they
			digitally.	citizen.	can be an
			J ,		upstander for





					Identify different reasons why someone might alter a photo or video. Analyse altered photos and videos to try to determine why.	Recognise what cyberbullying is. Show ways to be an upstander by creating a digital citizenship superhero comic strip. Define "copyright" and explain how it applies to creative work. Describe their rights and responsibilities	those being bullied. Understand the purposes of different parts of an online news page. Identify the parts and structure of an online news article. Learn about things to watch out for when reading online news pages,
						as creators. Apply copyright principles to real- life scenarios.	such as sponsored content and advertisements.
Creating		I can use	I can use	I can create	I am confident to	I can use a range	I can combine a
Media I	I can explore	technology to	technology to	slideshow	explore new media	of presentation	range of media,
	sounds	create and present	organise and	presentations	to extend what I	applications (e.g.	recognising the
Autumn 1	generated	my ideas.	present my ideas	combining images,	can achieve.	Movie Maker,	contribution of
7tatamii i	by a device.	I can use the	in different ways	sound and text to	I can change the	PowerPoint,	each to achieve a
		keyboard or a	(e.g. using text,	share my ideas	appearance of text	Publisher).	particular
	I use a	word bank on my	pictures,	and learning	to increase its		outcome.
	digital device	device to enter	animations).	I can manipulate	effectiveness (e.g.	I can review and	I can talk about
	to	text.	I can use the	text (e.g.	centre, embolden,	improve my own	audience,
	take a	I can type text and	keyboard on my	copy/paste, centre,	underline)	work and support	atmosphere and
	photograph.	use Shift for capital	device to add,	embolden,	I can create,	others to improve	structure when
	1	letters, the	delete and space	underline).	modify and present	their work.	planning a
	I can write	spacebar, the	text for others to	I used photo	documents for a	l son doumles d	particular
	my name	arrow keys and	read.	editing to crop and	particular purpose.	I can download	outcome.
	using a	backspace/delete	I can highlight	add effects to my	I can use a	and use Creative	I can confidently
	keyboard on	keys.	text to change its	visuals.	keyboard	Commons music	identify the
	different	I can save	format (font size,	I can combine a	confidently and	and visuals and	potential of
	devices.	information in a	type, colour).	mixture of text,	make use of a	credit the authors	unfamiliar
					spellchecker to	in my work.	technology to





	I can use the caps lock for the initial sound in my name. I can use a simple paint programme with increasing mouse control. I can understand the purpose of and experiment with hardware such as cameras, computers, ipads, voice recorders etc.	special place and retrieve it again.	I can insert /delete a word using the arrow key and delete key. I can use the shape tool to draw. I can tell you about an online tool that will help me to share my ideas with other people. I can save and open files on the device I use.	graphics and sound. I consider the audience when planning, creating or reviewing my presentation to evaluate and improve its effectiveness.	write and review my work. I can use an appropriate tool to share my work and collaborate online. I can use photo editing software to crop photographs and add effects. I can use animation in my presentation.	I can capture sound, images and video. I can use text, photo, sound and video editing tools to refine my work.	increase my creativity. I can confidently choose the correct page set up option when creating a document. I can be digitally discerning when evaluating the effectiveness of my own work and the work of others. I can confidently use text formatting tools, including heading and body text.
Handling	I can collect and discuss	To label objects To describe	To recognise that we can count	To create questions with	To explain that data gathered over	To use a form to record	To identify guestions which
Data	data	objects in different	and compare	yes/no answers	time can be used	information	can be answered
Autumn 2	as a class.	ways	objects using	To identify the	to answer	To compare	using data
Autumii 2	Loop incort	To count objects	tally charts	object attributes	questions	paper and	To explain that
	I can insert data into a	with the same properties	To recognise that objects can be	needed to collect relevant data	To use a digital device to collect	computer-based databases	objects can be described using
	pictogram,	To compare	represented as	To create a	data automatically	To outline how	data
	as a class.	groups of objects	pictures	branching	To explain that a	grouping and	To explain that
		To answer	To create a	database	data logger	then sorting data	formulas can be
		questions about	pictogram	To explain why it is	collects 'data	allows us to	used to produce
		groups of objects	To select objects	helpful for a		answer questions	calculated data





	I answer simple questions relating to a pictogram.		by attribute and make comparisons To recognise that people can be described by attributes	database to be well structured To identify objects using a branching database To compare the information shown in a pictogram with a branching database	points' from sensors over time To use data collected over a long duration to find information To identify the data needed to answer questions To use collected data to answer questions	To explain that tools can be used to select specific data To explain that computer programs can be used to compare data visually To apply my knowledge of a database to ask and answer real-world questions	To apply formulas to data, including duplicating To create a spreadsheet to plan an event To choose suitable ways to present data
Programming Spring 1 and 2	I can make a beebot move forwards and backwards. I can use a range of control toys and devices.	I can write code to make an object move in more than one direction on the screen I can explain how I have used code to make objects move in the directions I have chosen. I can combine code to make an object move when my program starts and disappear when it is clicked on. I can combine start events and click events to create an animated scene	I can use different inputs (a mouse click, a button) to make an object hide or move in different directions I can write code to make an object change direction when a key or the pointer is pressed I can write code to make an object follow the pointer I can explain my code and say which parts of the code will execute when different keys are	I can break an open-ended problem up into smaller parts. I can put programming commands into a sequence to achieve a specific outcome. I keep testing my program and can recognise when I need to debug it. I can use repeat commands. I can describe the algorithm I will need for a simple task. I can detect a problem in an algorithm which	I can write code to move an object and set its direction and speed. I can use coordinates in code and use negative numbers to alter the location of an object. I can use the orientation of a tablet to control an object. I can set friction to effect the speed and movement of an object. I can use a loop to do something repeatedly in a program.	I can combine sequence of instructions. I can write programs that have sequences and repetitions. I can talk about my code and identify input and output. I can use random numbers to move an object with a random angle at a random speed. I can create an app that includes random numbers, conditions and variables. I can change the heading and	I can they explain how an algorithm works. I can they check and refine a series of instructions I can write code that detects the length of a swipe /drag event and use it to set the speed of one or more object(s). I can combine my knowledge of coordinates, conditional events, random numbers and variables together to create an app





		I can programme directions to plan a route.		unsuccessful programming.		moving object when keys are pressed. I can write code to simulate physical force (e.g. friction, gravity). I can write code to simulate a physical process (e.g. to make a ball bounce).	I can use code that combine variables together e.g. if A = 2 then B+2 and (object) appears I can use algebraic formula in my code to perform calculations which use variables. I can write code that detects the current time and create a clock app. I can they detect errors in a
							program and correct them.
Technology	I can name	I can explain	I can identify	I can explain that	I can describe how	I can explain that	I can identify how
in our Lives	and use a	technology as	examples of	digital devices	networks	computers can	to use a search
	keyboard	something that	computers	accept inputs	physically connect	be connected	engine
Summer 1	and mouse	helps us	I can describe	I can explain that	to other networks	together to form	I can complete a
-	with	I can locate	some uses of	digital devices	I can describe the	systems	web search to
	developing control.	examples of technology in the	computers I can identify that	produce outputs I can follow a	internet as a network of	I can identify tasks that are	find specific information
	COITHOI.	classroom	a computer is a	process	networks	managed by	• I can
	I can	I can explain how	part of IT	I can classify input	I can demonstrate	computer	refine my search
	recognise	these technology	To identify the	and output devices	how information is	systems	• Í can
	some	examples help us	uses of	I can describe a	shared across the	I can identify the	compare results
	technology	I can name the	information	simple process	internet	human elements	from different
	that is used	main parts of a	technology in the	I can design a	I can discuss why	of a computer	search engines
	in places	computer	school	digital device	a network needs	system	I can describe
	such as home and	I can switch on and log into a	To identify information	I can explain how I use digital devices	protecting I can describe	I can explain the benefits of a	how search engines select
	school.	computer	IIIOIIIIauOII	use digital devices	networked devices	Dellello UI a	results





I can use technology appropriately through role play.

I can recognise a range of technology that is used in places such as homes and schools.

I can select and use technology for a particular purpose.

I can name and use a keyboard and mouse with developing control.

I can access and use simple activities using touch technology with increasing

I can use a mouse to click and drag I can use a mouse to open a program I can click and drag to make objects on a screen I can use a mouse to create a picture I can say what a keyboard is for I can type my name on a computer I can save my work to a file I can open my work from a file I can use the arrow kevs to move the cursor I can delete letters I can identify rules to keep us safe and healthy when we are using technology in and beyond the home I can give examples of some of these rules I can discuss how we benefit from these rules

technology beyond school To explain how information technology helps us I can recognise common types of technology I can demonstrate how IT devices work together I can say why we use IT I can talk about different rules for using IT I can say how rules can help keep me safe I can identify the choices that I make when using I can use IT for different types of activities I can explain the need to use IT in different ways

for different activities I can recognise similarities between using digital devices and using non-digital tools I can suggest differences between using digital devices and using non-digital tools I can explain how a computer network can be used to share information I can explain how messages are passed through multiple connections I can discuss why we need a network switch I can demonstrate how information can be passed between devices I can explain the role of a switch. server, and wireless access point in a network I can recognise the physical components of a network

and how they connect I can explain that the internet is used to provide many services I can recognise that the World Wide Web contains websites and web pages I can explain the types of media that can be shared on the WWW I can describe where websites are stored when uploaded to the WWW I can describe how to access websites on the WWW I can explain what media can be found on websites I can recognise that I can add content to the WWW I can explain that internet services can be used to create content online I can explain that websites and their content are created by people

aiven computer system I can recognise how information is transferred over the internet I can explain that networked digital devices have unique addresses I can explain that data is transferred over networks in packets I can recognise that connected digital devices can allow us to access shared files stored online I can send information over the internet in different ways I can explain that the internet allows different media to be shared I can contribute to a shared project online I can suggest strategies to ensure successful group work

I can explain why we need tools to find things online I can recognise the role of web crawlers in creating an index I can relate a search term to the search engine's index I can explain how search results are ranked I can explain that search results are ordered I can explain that a search engine follows rules to rank relevant pages I can suggest some of the criteria that a search engine checks to decide on the order of results I can recognise why the order of results is important, and to whom I can describe some of the ways that search





		T	Γ		
contr	rol.	I can identify how	I can suggest who	I can make	results can be
		devices in a	owns the content	thoughtful	influenced
		network are	on websites	suggestions on	I can recognise
		connected together	I can explain that	my group's work	some of the
		I can identify	there are rules to	I can compare	limitations of
		networked devices	protect content	working online	search engines
		around me	I can explain that	with working	I can explain how
		I can identify the	not everything on	offline	search engines
		benefits of	the World Wide	I can identify	make money
		computer networks	Web is true	different ways of	I can recognise
		· ·	I can explain why	working together	how we
			some information I	online	communicate
			find online may not	I can recognise	using technology
			be honest,	that working	I can explain the
			accurate, or legal	together on the	different ways in
			I can explain why I	internet can be	which people
			need to think	public or private	communicate
			carefully before I	I can explain how	I can identify that
			share or reshare	the internet	there are a
			content	enables effective	variety of ways of
			CONTON	collaboration	communicating
				Conaboration	over the internet
					I can choose
					methods of
					communication to
					suit particular
					purposes
					I can compare
					different methods
					of communicating
					on the internet
					I can decide
					when I should
					and should not
					share
					I can explain that
					communication
					on the internet





Summer 2	generated by a device.	To use a computer to write To add and remove text on a computer To identify that the	To recognise how text and images convey information To recognise that	To explain that digital images can be changed To change the	To recognise how text and images convey information	To recognise video as moving pictures, which	To review an existing website and consider its
Summer 2	generated by a device.	To add and remove text on a computer To identify that the	images convey information To recognise that	be changed To change the	convey information	pictures, which	
Summer 2 S S S S D D D D D D D D D D D D D D D	generated by a device. use a	remove text on a computer To identify that the	information To recognise that	To change the			and consider its
Summer 2	by a device. use a	computer To identify that the	To recognise that		To recommise that		S
	use a	To identify that the			To recognise that	can include audio	structure
		,		composition of an	text and layout can	To identify digital	To plan the
			text and layout	image	be edited	devices that can	features of a web
	doiveb letinib	look of text can be	can be edited	To describe how	To choose	record video	page
1	•	changed on a	To choose	images can be	appropriate page	To capture video	To consider the
	0	computer	appropriate page	changed for	settings	using a digital	ownership and
	ake a	To make careful	settings	different uses	To add content to	device	use of images
p	ohotograph.	choices when	To add content to	To make good	a desktop	To recognise the	(copyright)
		changing text	a desktop	choices when	publishing	features of an	To recognise the
	can write	To explain why I	publishing	selecting different	publication	effective video	need to preview
	ny name	used the tools that	publication	tools	To consider how	To identify that	pages
	using a	I chose	To consider how	To recognise that	different layouts	video can be	To outline the
	keyboard on	To compare writing	different layouts	not all images are	can suit different	improved through	need for a
	different	on a computer with	can suit different	real	purposes	reshooting and	navigation path
I -	devices.	writing on paper.	purposes	To evaluate how	To consider the	editing	To recognise the
	can use the		To consider the	changes can	benefits of desktop	To consider the	implications of
	caps lock for	I can adapt and	benefits of	improve an image.	publishing.	impact of the	linking to content
	he	use my skills with a	desktop	The second second	Lance de la colonida	choices made	owned by other
	nitial sound	different	publishing.	I can review	I can download	when making and	people
ır	n my name.	programme and		images on a	images from a	sharing a video.	1 (. 11 1
		purpose.	l con odent ond	camera / tablet and	camera / tablet /		I can tell you why I select a
	can use a		I can adapt and	delete unwanted	internet browser	L can consider	
	simple paint		use my skills with	images.	into files on the		particular online
	orogramme with		a different	I have experienced	computer.	audience when editing my work	tool for a specific
	ncreasing		programme for a variety of	downloading images from a	I can use photos, video and sound to	and I can select,	purpose.
	nouse		purposes and	camera/tablet/the	create an	use and combine	I can use the
	control.		audiences.	internet into files	atmosphere when	the appropriate	'hanging indent'
	JOHNOI.		audiences.	on the computer	presenting to	technology tools	tool to help
	can			(e.g. using 'Save	different	to create effects	format work
	understand			picture as').	audiences.	that will have an	where
	he purpose			I can adapt and	audiences.	impact on others.	appropriate (e.g.
	of and			use my skills with	I can adapt and	impact on others.	a play script.
_	experiment			different	use my skills with		a play script.





with		programmes (e.g.	different	I can use	I can transfer my
hardware		PowerPoint, Word,	programmes and	hyperlinks to a	skills across
such as		Office, Movie	devices (e.g.	part of a	different familiar
cameras,		Maker) for a	ipads, Microsoft	document or to a	or unfamiliar
computers,		variety of purposes	Office, photo	website.	programmes and
ipads, voice		and audiences.	editing).		devices and
recorders			3/	I am beginning to	combine ICT
etc.			I can select which	use the skills I	tools to produce
			programme/device	have already	multimedia
			I will use	developed to	content.
			depending on my	create content	
			purpose and	using unfamiliar	
			audience.	technology.	I have a clear
					understanding of
					purpose and
				I can adapt and	audience and I
				use my skills	use technology
				across different	to deliver clear
				programmes and	messages
				devices and	effectively.
				combine a range	,
				of tools to	
				produce	
				multimedia	
				content.	
				CONTONIA	
				I have a clear	
				understanding of	
				purpose and	
				audience and I	
				take this into	
				consideration to	
				inform my	
				choices of	
				devices,	
				programmes and	
				register.	
				register.	