

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
E Safety	<ul> <li>Know the safety rules with Digi-Duck.</li> <li>Know who to talk to about inappropriate websites</li> </ul>	<ul> <li>Know that not everything on the internet is true.</li> <li>Know not to share personal information, name address and why.</li> <li>To understand the dangers of the internet and to be aware of what potential problems could be encountered.</li> <li>To know not to talk to anyone they don't know.</li> <li>To know not to enter personal details on any website</li> <li>To know the dangers of being online and how to stay safe using strong passwords.</li> <li>To know what to do in a situation when being online where they're unsure. (strangers speaking to them, pop ups, inapprpriate adverts etc).</li> <li>To know how the internet is used in wider society (variety</li> </ul>	<ul> <li>Safe</li> <li>Meet</li> <li>Accept</li> <li>Reliable</li> <li>Tell</li> <li>Know that Blocks are in place in school to prevent children from seeing inapproriate content.</li> <li>Know that Personal information is what makes us who we are, they are all true about a person. Clues about where we live or go to school should be kept private and not shared online. Passwords can stop people from accessing our personal account and should be generated using a muxture of capital, lower case letters and symbols such as !&amp;*</li> </ul>	<ul> <li>To know the all SMART rules and how to apply them in school and online at home.</li> <li>To know how to resolve online safety issues using SMART.</li> <li>To know the importance of staying safe on the internet and dangers that could occur.</li> <li>Know why blocks are important.</li> <li>Know why there are age restrictions.</li> <li>Know how to use strategies to stay safe online</li> </ul>	<ul> <li>Be able to locate keys on a keyboard</li> <li>Know how to improve typing skills and speed through practise</li> <li>Know shortcuts using a keyboard</li> <li>Understand what SMART stands for S–Safe M–Meet A – Accepting R – Reliable T-Tell</li> <li>Know the impact that sharing digital content can have.</li> <li>Know the sources of support when using technology.</li> <li>Know children's responsibility to one another in their behaviour.</li> <li>Know how to maintain secure passwords.</li> </ul>	<ul> <li>To know that cyber bullying is online and bullying is in person.</li> <li>To know what a 'media sterotype' is.</li> <li>To know that in the SMART acronym, S for safe, M for meeting, A for accepting, R for reliable, T for tell.</li> </ul>



	Kilotticage compati	0
	line banking, • Cyberbullying is a word	• Encryption - The
shopping of the shopping of th	etc). often used to <i>describe</i>	translation of data into
	when someone uses	a secret code.
	digital technology to be	Encryption is the most
	intentionally mean or	effective way to
	unkind to someone	achieve data security.
	more than once.	<ul> <li>To read an encrypted</li> </ul>
	Knowthe importance	file, you must have
	of it being	access to a secret key
	unacceptable and	or password that
	should be reported as	enables you to decrypt
	tell an adult	it.
		<ul> <li>Know why we need a</li> </ul>
		password - defence
		against identity theft
		<ul> <li>Know the features of a</li> </ul>
		good password - Top
		tips are to use a
		password of at least 6
		characters, use upper
		and lower case, use a
		combination of letters
		and numbers and
		(where allowed by the
		system) use special
		symbols such as \$ or &.
		<ul> <li>Know the advantages,</li> </ul>
		disadvantages,
		permissions and
		purposes of altering an
		image digitally and the
		reasons for this.



		<ul> <li>Know what 'plagarism'</li> </ul>
		means
		<ul> <li>Know what 'copyright'</li> </ul>
		means - Many images
		are 'copyrighted' this
		means that the person
		who created the
		original images does
		<ul> <li>not give permission for</li> </ul>
		it to be used in certain
		ways.
		<ul> <li>Know why we have a</li> </ul>
		PEGI rating on a game
		<ul> <li>it considers the age</li> </ul>
		suitability of a game,
		not the level of
		difficulty.
		<ul> <li>Know the dangers of</li> </ul>
		spending too long
		online or playing a
		game.
		<ul> <li>Know the importance</li> </ul>
		of choosing age
		appropriate websites
		or games.
		<ul> <li>Know the dangers of</li> </ul>
		gaming online and how
		to stay safe.
		•



	Know how to use an ipad	Know how to turn on a	The desktop is the main	• To know that a data	Know what data is	• Pre-production is the
	to take photos.	computer, log in and find	homescreen where you	logger is a device that	<ul> <li>Know what a database</li> </ul>	process of planning or
	Know how to use a	appropriate	can see all the different	records data over time.	is	designing something
	simple paint program to	programmes.	applications. All children	<ul> <li>To know data loggers</li> </ul>	<ul> <li>Know why we use</li> </ul>	(such as a product or
	create a picture	To locate and type	have their own folder on	are powered by	databases	film) prior to
	Know four ways of using	different letters on the	the W Drive and should	battery, they are	<ul> <li>Know what a record is</li> </ul>	production.
	technology outside the	keyboard.	be shown how to access	portable and are	<ul> <li>Know what a field is</li> </ul>	<ul> <li>Film-making or film</li> </ul>
	home.	Know how to make	it. Children should be	equipped with internal	<ul> <li>Know how to sort data</li> </ul>	production – is the
	Know how to use a	simple changes in a word	encouraged to use the	memory for storage of	on a computer	process of making a
	trackpad on a laptop	document including	shortcuts apps on the	the data they collect.	database	film and involves
		changing the word,	desktop to find and open	<ul> <li>To know data loggers</li> </ul>	<ul> <li>Know how information</li> </ul>	various separate stages
		captial letters font colour	Word and Google. Work	have a built-in	can be grouped	of production.
		spacing.	should be saved into	instrument or sensor.	<ul> <li>Group information to</li> </ul>	• A documentary is a
Information technology		Know how to save.	their personal file (via	<ul> <li>To know that a data</li> </ul>	answer questions	non-fiction film usually
plor		To know how to use the	the W-Drive). Once	logger can measure	<ul> <li>Combine grouping and</li> </ul>	intended to provide a
chr		basic functions of a	saved, children should be	temperature, light and	sorting to answer more	factual report on a
n te		computer (logging in,	encouraged to click on	sound.	specific questions	particular subject.
tior		finding the icons for the	the blue disk to save	<ul> <li>To know how to open</li> </ul>	<ul> <li>Know how to sort</li> </ul>	<ul> <li>Copyright means that</li> </ul>
ma		internet and microsoft	changes.	an exel document and	records to find	we have the right to
for		word).	There are many ways to	create a simple table to	information quickly	prevent other people
<u>n</u>		To know how to copy	communicate online:	display data.	<ul> <li>Know how to search a</li> </ul>	copying our original
		and paste.	Email, Instant Messaging,	To know how to use data	database to find	work.
		To know what an aerial	Gaming, Video Calling,	in a spreadsheet to	information	<ul> <li>If you write or create</li> </ul>
		photograph is.	Soial Media (although	create tables,	• Know how to narrow a	something original
		To know how to save a	there are age restrictions	piecharts, bargraphs.	search using the 'AND'	then it belongs to you,
		word document and be	on these), Blogging,	<ul> <li>To know that wikipedia</li> </ul>	tool in your search	just as something
		able to open it the	Photos.	is the world's largest	<ul> <li>Know why we use</li> </ul>	physical belongs to
		following lesson.	The internet is a vast	wiki.	graphs	you. If someone else
			database and can hold	<ul> <li>To know 3 advantages</li> </ul>	<ul> <li>Know how to use</li> </ul>	wants to use it or
			many websites, in order	of collaborating to edit	graphs to answer	borrow it, they must
			to find helpful and	online.	questions	ask your permission or
			appropriate content, you	To know that HTML is	-10.000.00.0	acknowledge that it is
			need to be specific in	like code that has to be		yours.
			what you enter into a			



			h engine. Ancient	written in the correct	Know how to produce	
			an fashion for kids/	order, for a web design	a graph digitally using	
			vill help with early	to work.	data	<u>In excel</u>
			ation clothes and			Data is raw numbers
			high street chain!			and figures.
		-	es should be			<ul> <li>Spreadsheets organise</li> </ul>
		searc	hed for on Google,			and store data in
		•	click and save image			meaningful ways so
			ollow the path to			that it can be easily
		W-Dr	ive- Year 3- class			accessed and analysed.
		colou	ır- Pupil Folders-			• To select a cell, we
		Name	e- Save			click on it. To enter
		To re	trieve, open			data, we double click
		docu	ment on Word/			on it. Data can be
		Publi	sher, Insert picture-			typed directly into a
		locat	e from W Drive and			cell or into the formula
		click	in sert.			bar.
		Incre	dibox is a music app			• A formula can tell a
		that I	ets you create your			computer which
		own	music with the help			mathematical
		of a r	nerry crew of			operation to use for a
		beat	oxers.			calculation: add,
		Child	ren to save each			multiply, divide, or
		block	so they can load it			subtract. It also tells
			dit it in the			the computer which
		follow	ving lesson. Click on			data to use.
			– share – mix link -			<ul> <li>Average -symbols used</li> </ul>
			weblink onto word			to represent
			Remind children			comparing two values.
			t E-safety and the			<ul> <li>MIN – finds the</li> </ul>
			e we give to the			smallest value
			and composer- first			<ul> <li>MAX- finds the largest</li> </ul>
			only. Helpful			e e e e e e e e e e e e e e e e e e e
			s, couple of minutes			value.
L	1	Video	-,		1	1



long to show how to use	Charts and graphs can be
Incredibox.	created using the data
https://www.youtube.co	
m/watch?v=IJuYyh0IFLE	
<u>&amp;list=PLqMpCUz0Vm6E</u>	and which fields to
Nz-uB-9IhohJ8jZKKt8o	display in the x-axis
Symbols for each	and y-axis.
character –	
the loop headphones	
makes a solo	
performance	
x deletes the loop.	
Click on the character to	
mute them	
Chorus click on the roun	d
link above the	
characters, it will direct	
which sounds to use and	
can add the chorus in	
when all have been set	
up.	



	Know the ways we use technology in our	Know that not	WWW is an	To know the	•Know how to	•To know that if a
	classroom.	everyone is who they	application which runs	SMART rules	reference sources in	website is secure it
	Know ways that technology is used in my	say they are on the	on the internet and	and how to	their work	will show 'https' and
	home and community	Internet.	enables people to	aplly them	•Know the reliability	a padlock symbol in
	Know how to use links to websites to	Know to use polite	share information.	when being	of the results of	the search bar.
	find information	and kind words on the	The internet is	safe online.	sources to check	•To know that
		internet.	compared to roads	To know that not	validity and	personal information
		To know how to stay	and the world wide	everything on the	•Know the impact of	should not be shared
		safe when using the	web is what you can	internet is always fact	incorrect	on the internet.
		internet.	see from the roads.	and understand that	information.	on the internet.
		To know that being	Buildings would be	there other resources	•Know of appropriate	
		online/using	websites and the	to check information.	and inappropriate	
<u>ک</u>		technology for too	traffic the content		text, photographs	
erao		long can have	that is being		and videos and the	
Lite		negative effects on	transferred.		impact of sharing	
tal		health (both physical			these online	
Technology (Digital Literacy)		and mental).			<ul> <li>Know an existing</li> </ul>	
۸ (I		To know passwords			website and consider	
log		should be changed			its structure	
our		regularly and that			•Know the features of	
ect		information should			a web page	
F		never be shared			•Know what a website	
		online.			is	
					<ul> <li>Know what a web</li> </ul>	
					page is	
					•Know what a browser	
					is	
					<ul> <li>Know how websites</li> </ul>	
					are created	
					•Know how to create a	
					new site - click on the	
					+ in the bottom right-	
					hand corner.	



	0	0	
			•Know how to add a
			subpage to a
			webpage.
			•Know how to link a
			subpage with a
			hyperlink.
			•Know how to change
			the colour of the
			header
			●Know how to change
			the background
			colour of a section of
			your web page
			•Know how to add an
			image carousel to
			your web page
			•Know how to add a
			map to your web
			page
			•Know how to view
			your web page as it
			would appear on a
			phone, tablet, or
			computer.
			•Know the
			implications of linking
			to content owned by
			other people



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	Know simple instructions	Know that an algorithm is	Scratch Jr is an app that	Know how use HTML	Algorithm	<ul> <li>To define a 'sprite' and</li> </ul>
	for a 'Beebot' or similar.	a set of intructions used	enables young children	language to arrange text	sprite	an 'algorithm'
	Know how to sequence	to program a computer.	to create their own	on a web browser	backdrop	<ul> <li>To know how to make a</li> </ul>
	instructions for	Know how to create their	stories and games. They	Know what an algorithm	script	sprite move in any
	movement eg left, right,	own set of instructions to	can snap together	is.	block	direction and by a set
	up, down	make something work.	programming blocks to	Know how to debug an		amount.
		Know that algorithms can	make characters move,	algorithm on a game.	<ul> <li>Know that an algorithm</li> </ul>	<ul> <li>To structure and control</li> </ul>
		go wrong and need	jump, dance and sing.	Know how to use and	needs to go in the right	the timing of events.
		debugging.	They can modify	adapt an already	order to be able to work	•To know how to use the
		To know how to debug	characters using the	available template to	<ul> <li>Know how to create a</li> </ul>	'show' and 'hide' tool on
		the program effectively	paint editor, add their	design a times table	new sprite	Scratch.
		so that the changes	own voices and sounds	game.	•Know how to design and	•To know to sequence
		made make the	and use the		colour a backdrop	events using the
		algorithm work.	programming blocks to		•Know how to code the	'receive' and 'broadcast'
nce			make their characters		keyboard keys to move	tool.
cie			come to life.		the character	•To add sound effects to
er s			<mark>On the app, if you click</mark>		•Know how to improve	make a animation more
ute			<mark>on the house icon, then</mark>		the backdrop on Scratch	interesting.
Computer science			<mark>click on the book in the</mark>		•Know how to make an	To know that 'debug'
ပိ			<mark>top right corner, you can</mark>		exit that triggers the	means to identify and
			find a blocks guide that		new event of changing	remove errors from
			will inform you of their		to the next backdrop	(computer hardware or
			<mark>function.</mark>		•Know how to add a	software).
			They are split into		comment to a block	
			Triggering blocks (to start		•Know how to add sound	
			an animation), Motion		•Know how to create a	
			blocks (to move a		wall	
			character), Looks blocks (		•Know how to design a	
			changes the size and		sprite	
			visibility of a character),		•Know how to 'switch	
			Sound blocks (pop or		costume'	
			recorded sound), Control		•Know how to make a	
			blocks (change the		variable	
			speed, pause and enable			



	a repeat code), End	Know that the score block	
	blocks (to change page,	needs to be -1 everytime	
	run the script repeatedly	the sprite hits where it	
	or show the end of an	shouldn't	
	animation).		
	Screen share by clicking		
	on arrow on Smartboard		
	and selecting Screen		
	Share option. On an		
	IPad, slide down from the		
	top right corner to show		
	menu and select Screen		
	Mirroring icons from		
	screen. Click on the class		
	colour and on the		
	Smartboard click on the		
	IPad number in the list.		
	To stop		
	screen share, slide down		
	on the IPad again and		
	press Stop Mirroring.		