



			E-sa	afety	
Year Group	Unit	National Curriculum	Skills	Resource	Vocabulary
Y1	E-Safety	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or	 Understand what personal information is and why we keep personal information private. Understand why websites want personal information. Identify when and where to go for help when concerned. 	Activity 1-4 https://www.ilearn2.co.uk/e-safetykey-stage- 1.html/	Personal Information Sharing Report Respect Trust
Y2	E-Safety	contact on the internet or other online technologies.	1. Understand what personal information is and why we keep personal information private. 2. Understand why websites want personal information. 3. Identify when and where to go for help when concerned. 4. Understand the dangers of sharing photos online? 5. Understand that people online are not always who they say they are. 6. Understand how to trust information online. 7. Learn to use the Internet responsibly. 8. Understand why we should be respectful.	Activity 1-6 https://www.ilearn2.co.uk/e-safetykey-stage- 1.html/	Personal Information Sharing Report Respect Permission Trust





Y3	E-Safety	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies	 3. 4. 6. 	Understand what to do if something upsets you online. Understand why and how people can be nasty online. Describe the term 'sharing online' and why we need to get permission to share photos and videos of other people. Understand why people pretend to be someone else online. Understand why we only talk to people we know in the real world, when online. Understand why we should not always trust what we read online and how to check Understand the importance of being kind	Age 7-9 Activity 1-4 https://www.ilearn2.co.uk/e-safetykey-stage- 2.html/	Personal Information Sharing Report Respect Permission Trust
				in the real world and also online.		
Y4	E-Safety		2.	Understand what to do if something upsets you online. Understand why and how people can be nasty online. Describe the term 'sharing online' and why we need to get	Age 7-9 Activity 1-4 https://www.ilearn2.co.uk/e-safetykey-stage- 2.html/	Personal Information Sharing Report Respect Permission Trust





Y5	E-Safety	permission to share photos and videos of other people. 4. Understand why people pretend to be someone else online. 5. Understand why we only talk to people we know in the real world, when online. 6. Understand why we should not always trust what we read online and how to check 7. Understand the importance of being kind in the real world and also online. 1. Keep personal information private. 2.Respect and protect again online bullies. 3. Understand the consequences of sharing photo/videos online. 4. Understand the term digital footprint. 5. How can we check online content is trustworthy. 6.How and where and who can we report concerns we have to. 1. Keep personal information	Age 9-11 https://www.ilearn2.co.uk/e-safetykey-stage-2.html/	Personal Information Sharing Report Respect Trust In-app Purchasing Digital Footprint
10	E-Salety	private. 2.Respect and protect against online bullies.	Age 9-11 https://www.ilearn2.co.uk/e-safetykey-stage-2.html/	Personal Information Sharing Report Respect





			 Understand the consequences of sharing photo/videos online. Understand the term digital footprint. How can we check online content is trustworthy. How, where and who can we report concerns we have to. Use suitable usernames and passwords for online accounts. 		Trust In-app Purchasing Digital Footprint
		Mo	use and Keyboar	rd Skills	
Y1	Keyboard and Mouse Skills	Use technology purposefully to create, organise, store, manipulate and retrieve digital content	 Mouse and keyboard skills; move mouse, left/right click, drag and drop. Typing; Find letters on keyboard and begin touch typing with home row keys. 	https://www.ilearn2.co.uk/eyfsyear-1-mouse-and-keyboard-skills.html/ (4-6hours)	Mouse Trackpad Cursor Left Button Scroll Wheel Home Row
Y2	Typing		 Mouse and keyboard skills; move mouse, left/right click, drag and drop. Typing; Find letters on keyboard and begin touch typing with home row keys. To use capslock and spacebar 	https://www.ilearn2.co.uk/touch-typing.html/	Mouse Trackpad Cursor Left Button Scroll Wheel Home Row Capslock Space Bar





Y3	Typing	Select, use and	1. Mouse and keyboard	https://www.ilearn2.co.uk/touch-typing.html/	Mouse
		combine a variety of	skills; move mouse,		Trackpad
		software (including	left/right click, drag and		Cursor
		internet services) on	drop. 2. Typing; Find letters on		Left Button
		a range of digital	keyboard and begin touch		Scroll Wheel
		devices to design and	typing with home row		Home Row
		create a range of	keys.		Capslock
		programs, systems	3. To use capslock and		Space Bar
		and content that	spacebar		
		accomplish given	4. Learn fdsajkl; g and		
		goals, including	h elru		
Y4	Typing	collecting, analysing,	Mouse and keyboard	https://www.ilearn2.co.uk/touch-typing.html/	Mouse
	71 3	evaluating and	skills; move mouse,		Trackpad
		presenting data and	left/right click, drag and		Cursor
		information.	drop.		Left Button
			Typing; Find letters on keyboard and begin touch		Scroll Wheel
			typing with home row		Home Row
			keys.		Capslock
			3. To use capslock and		Space Bar
			spacebar		
			4. Learnfdsajkl; g and		
			h elru		
			5. Learn v m b n c x z ,		
			capital letters, '\.		
Y5	Typing		Mouse and keyboard	https://www.ilearn2.co.uk/touch-typing.html/	Mouse
			skills; move mouse,		Trackpad
			left/right click, drag and		Cursor
			drop. 2. Typing; Find letters on		Left Button
			keyboard and begin touch		Scroll Wheel
			7.5,252.2 2.14 259.1 154611		Home Row





			typing with home row		Capslock
			keys.		Space Bar
		3	. To use capslock and		Shit Button
			spacebar .		Posture
		4	. Learnfdsajkl;gand		
			h		Enter Key
			elru		
		5	. Learn v m b n c x z ,		
			capital letters, ' \ .		
		6	. Finger reaches for the full alphabet		
		7	. Using the finger reach		
			method, introduce index		
			and middle finger letter		
			keys, Space Bar, and		
			proper posture		
		8	. Using the finger reach		
			method, introduce		
			beginning punctuation		
			and more index, middle,		
			ring, and little finger letter keys		
			. Introduce remaining letter		
			keys and Enter key		
Y6	Typing	1		https://www.ilearn2.co.uk/touch-typing.html/	Mouse
	71 3		skills; move mouse,		Trackpad
			left/right click, drag and		Cursor
			drop.		Left Button
		2	. Typing; Find letters on		
			keyboard and begin touch		Scroll Wheel
			typing with home row		Home Row
			keys.		Capslock
		3	. To use capslock and		Space Bar
			spacebar		Shit Button
		4	. Learn f d s a j k I ; g and h		Posture
			11		





			e I r u 5. Learn v m b n c x z , capital letters, '\. 6. Finger reaches for the full alphabet 7. Using the finger reach method, introduce index and middle finger letter keys, Space Bar, and proper posture 8. Using the finger reach method, introduce beginning punctuation and more index, middle, ring, and little finger letter keys. 9. Introduce remaining letter keys and Enter key 10. Practice common English words and easy Home, Top, and Bottom Row words 11. Teach capitalisation, punctuation, sentences, and short paragraphs		Enter Key Punctuation Keys
			puting in the Wid		
Y1	N/A	N/A	N/A	N/A	
Y2	Recognise the uses of	Recognise common uses of information	Understand what makes a computer a computer.	Preview - Year 2 Uses of IT - Primary Computing Resources	Microprocessor
	IT	technology beyond	2. Understand computers	- iLearn2	Analogue
	' '	school	store and follow instructions.		Digital
1			3. Spot digital technology in		Laptop
			,		Desktop





Y3	Document	Select, use and	school. 4. Understand how different technology helps us. 1. Copy and paste text and	Preview - Year 3 Document Creation - Primary Computing	Tablet Monitors Word Processor
	Editing and Creation	combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.	images 2. Find and replace words 3. Format text for a purpose 4. Edit images inside documents 5. Add bullet points to make lists 6. Experiment with keyboard shortcuts	Resources - iLearn2	Find and Replace Format Text Wrapping Bullet Points Keyboard Shortcuts
Y4	Internet Research	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.	 Use search technologies to find specific pieces of information. Understand features of an Internet Browser. Reference the correct source of information. Be discerning in evaluating digital content. Check the internet for fake news by cross-referencing facts. 	Year 4 Internet Research - Primary Computing Resources - iLearn2	Internet Browser Search Engine Web-address and Address bar WWW Ranking
Y5	Computer Networks + the Internet	Understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for	 Understand Computer Networks, Internet and Cloud Computing and how they help us. What is email and how can we use it safely? Understand how and why we collaborate online (including blogging) 	Year 5 Computer Networks Activity Pack- Primary Computing Resources - iLearn2	Server Router Firewall IP Address Wireless Access Point Cloud Computing Email address Inbox Outbox





	communication and collaboration.	 4. Understand the advantages and disadvantages of email 5. Understand that emails are stored on servers and we need an email address to send the mail to a person 6. Understand the different aspects of email software: inbox, outbox subject, cc, address book and attachments 7. Understand that we should only send and receive emails from people we know in the real world 		Junk Address Book Attachments CC and BCC
Y6 Machine Learning and A.I	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.	1. Understand how computers use information to learn by solving new problems and following new instructions. 2. Understand and use examples of machine learning. 3. Understand how artificial intelligence is used to perform tasks often only performed by humans. 4. Discuss and show awareness of potential dangers of AI.	Year 6 Machine Learning Activity Pack - Primary Computing Resources - iLearn2	Machine Learning Artificial Intelligence

Multimedia Text and Images





Y1	Comic	Use technology	Comic creation covers a	https://www.ilearn2.co.uk/comiccreationteacher.html/	Icon
	Creation	purposefully to	wide range of objectives		Sticker
		create, organise,	including:	(3-4 hours)	Bigger
		store, manipulate	2. Add, resize and organise		Smaller
		and retrieve digital content.	colour or picture backgrounds		Delete
		Content.	3. Add, resize, organise		Mistake
		Recognise common	characters/objects to		Text
		uses of information	different panels		Size
		technology beyond	4. Add narration using text		Panel
		school	and direct speech using		Flip
			speech bubbles.		Sticker
Y2	E-Book		1. Add a book cover with title,	https://www.ilearn2.co.uk/eboookcreationks1.html/	Fill
	Creation		author, colour and image.		Record
			2. Add multiple pages based	(3-4 hours)	New Page
			on a theme.		Share
			3. Add text on different		Delete
			pages. 4. Add images on different		Images
			pages to match the		mages
			theme/text.		
			5. Add voice recordings to		
			match the text and theme.		
Y3	Comic	Select, use and	1. Add, resize and organise	https://www.ilearn2.co.uk/comiccreationteacher.html/	Icon
	Creation	combine a variety of	colour or picture	(0. 4 h a	Sticker
		software (including internet services) on	backgrounds. 2. Add, resize, organise	(3-4 hours)	Bigger
		a range of digital	characters/object to different		Smaller
		devices to design	panels.		Delete
		and create a range	3. Add narration using text		Mistake
		of programs,	and direct speech using		Text
		systems and content	speech bubbles.		Size
		that accomplish			Panel
		given goals.			Flip





Y4	E-Book Creation	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.	1. Add page colour and style then position and format text. 2. Add and position images from camera/internet. 3. Add audio, including hiding it behind an object. 4. Add hyperlinks to text and images. 5. Add and format shapes. 6. Use hyperlinks for navigation.	https://www.ilearn2.co.uk/year-4-ebook-creation.html/ (3-5 hours)	Narration Scale Arrange Page Shape Add Content Inspector Hyperlinks Preview
Y5	Ebook Creation	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.	1. Add page colour and style then position and format text. 2. Add and position images from camera/internet. 3. Add audio, including hiding it behind an object. 4. Add hyperlinks to text and images. 5. Add and format shapes. 6. Use hyperlinks for navigation.	https://www.ilearn2.co.uk/year-5-ebook-creation.html/ (3-5hours)	Page Shape Add Content Inspector Hyperlinks Preview
Y6	Web Design	Design and create digital content to accomplish goals.	 Add and format text within a website. Organise sections of webpages and multiple page with relevant titles. Add and edit images. Include other features such as hyperlinks, buttons and files. Evaluate other websites and provide constructive 	https://www.ilearn2.co.uk/year-6-web-design.html/ (5-8 hours)	Wordpress Static Page Theme Header Sidebar Widgets Navigation Domain name





Y1	Digital Art	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	feedback. 6. Make necessary changes to the website based on feedback. 1. Change the colour of individual pixels to accurately re-create basic artwork. 2. Make changes where required. 3. Change the colour of individual pixels to accurately re-create detailed artwork.	https://www.ilearn2.co.uk/year1digitalart.html/ (1-2 hours)	Pixels Grid Fill Check Zoom
Y2	Digital Art		1. Use lines and fill tools to make interesting patterns. 2. Add a variety of shapes (outlines and fill) and label them with text. 3. Re-create graphics using pixels with different colours.	https://www.ilearn2.co.uk/year-2-digital-art.html/ (3-4 hours)	Pixels Fill Text PNG and GIF
Y3	Digital Art	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.	1. Use various lines and fill tools plus copy/paste and rotation to create pattern effects. 2. Use shapes, fill, copy/paste, zoom and flip to create reflective symmetry effects. 3. Use stamps, copy/paste, layers and multiple frames to create animated GIF computer graphics.	https://www.ilearn2.co.uk/year3digitalart.html/ (4-6 hours)	Rotation Zoom Flip Symmetry Stamp GIF
Y4	3D Design (3D village)		3D Village Modelling 1. Understand 3D spacial awareness. 2. Add 3D shapes, resize, adjust height, duplicate and	https://www.ilearn2.co.uk/3ddesignteacher.html/ (3-4 hours)	Readjust Resize Duplicate Perspective





Y5	App Design Graphic Design	Design and create digital content to accomplish goals.	use the different perspective. 3. Re-create different types of buildings using 3D shapes. 4. Create roads/paths by adjusting the height of 3D shapes. 5. Add windows and door shapes. 1. Adjust slide size to mimic a phone/tablet size. 2. Add text and images to a slide. 3. Add icons and text to use as navigation. 4. Duplicate slides to create multiple pages of the app. 5. Create hyperlinks to create navigation. 1. Add, adjust and fill shapes. 2. Group shapes to improve accuracy and speed. 3. Add and customise	https://www.ilearn2.co.uk/appdesignteacher.html/ (4-6 hours) https://www.ilearn2.co.uk/year6graphicdesign.html/ (2-3 hours)	Screen Dimensions Icons Navigation Hyperlinks Duplicate Grouping Gradient Transparency/Opacity Colour Picker
			gradient effects. 4. Adjust transparency/opacity for a purpose. 5. Use a colour picker correctly. 6. Accurately rotate shapes.		Arrange
	Data Handling				
Y1	Data Handling	Use technology purposefully to	1. to understand how data can be displayed in various ways including pictograms,	Top Marks https://www.topmarks.co.uk/maths-games/5-7- years/data-handling	Data Pictograms Bar Charts





		create, organise, store, manipulate and retrieve digital content	bar charts, pie charts and tally charts. 2. Create own bar and tally charts.		Tally Charts
Y2	Data Handling		 Understand what data is and collect it as a tally. Label a pictogram and add data to each column. Edit a table with correct titles and numbers. Create a bar chart/pie chart/line chart suitable for the data. Interpret a pictogram/bar chart/line chart. 	https://www.ilearn2.co.uk/year-2-data-handling.html/ (3-4 hours)	Table Bar Chart Pictogram Pie Chart Data
Y3	Data Handling	Collect, classify and present data.	Add and label objects within a branching database. Ask questions to sort (classify) objects.	https://www.ilearn2.co.uk/year3branchingdatabases-html/ (1hour)	Branching Database Data Sort Classify Yes/no Questions
Y4	Data Handling	Collecting, analysing, evaluating and presenting data and information.	Change appearance of cells in a spreadsheet (fill colour and border) then add and align text. Find and add data to a spreadsheet, resize cells and use the software to create a suitable chart with a title.	https://www.ilearn2.co.uk/year4datahandling.html/ (3-4 hours)	Spreadsheet Cell Pic Chart Bar Chart Line Graph
Y5	Data Handling	Select, use and combine a variety of software (including internet services). Collecting, analysing, evaluating and	 Select and use non-adjacent cells plus resize multiple cell widths and copy/paste cells. Find data and create a spreadsheet to suit it. 	https://www.ilearn2.co.uk/year5datahandling-html/ (3-4 hours)	Spreadsheet Cell Formula Database Record Field





		presenting data and information.	 3. Use formulae to find totals, averages and maximum/minimum numbers. 4. Search a database for specific information. 		Sort
Y6	Data Handling	Select, use and combine a variety of software (including internet services). Collecting, analysing, evaluating and presenting data and information	1. Write spreadsheet formula to solve more challenging maths problems. 2. I can create and publish my own online quiz with a range of media (images and video)	https://applieddigitalskills.withgoogle.com/c/middle-and-high-school/en/guide-to-an-area/overview.html https://kahoot.com/schools/	Area Guide Column Spreadsheet
			Coding/Pro	ogramming	
Y1	Introduce Programming	Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs.	1. Understand sequence and algorithms. (All activities) 2. Sequence instructions (commands) to achieve an objective. (All activities) 3. Use distances in commands. (extension task of activity 4) 4. Predict, write, execute and debug a simple program. (Activity 3 onwards)	https://www.ilearn2.co.uk/year-1-programming.html/ 5-7 hours	Sequence Algorithm Predict Execute Debug
Y2	Develop Programming	Use logical reasoning to	Create and debug simple programs by	https://www.ilearn2.co.uk/year-2-programming.html/ (3-4 hours)	Outputs Inputs





		predict the behaviour of simple programs.	selecting code blocks, placing them in the correct sequence and executing a program. 2. Use logical reasoning to predict the behaviour of simple programs. 3. Simplify a program by		Execute Debug Selection (sending messages) Loops
Y3	Programming In Scratch	Design, write and debug programs that accomplish specific goal, including simulating physical systems. Use sequence, selection, and repetition in programs; work	using a loop. 1. Design, write and debug programs that accomplish specific goals. (Including outputs) 2. Use repetition in programs. (Activity 2) 3. Work with various form of inputs; keyboard, mouse and touch screen. (Activity 3 and 4 below) 4. Write programs that simulate physical systems (Activity 5)	https://www.ilearn2.co.uk/y3scratch.html/ (4-6 hours)	Sprite Stage Sequence Debug Loops or Repetition Inputs
Y4	Programming in Scratch	with various forms of input. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs	1. Use sequence, selection, and repetition in programs. 2. Work with variables and various forms of input and output. 3. Debug programs that accomplish goals. 4. Work with variables and conditions.	https://www.ilearn2.co.uk/y4scratch.html/ (6-8 hours)	Inputs Selection Sensing Variables Debug





Y5	Programming	1. Program list variables	https://www.ilearn2.co.uk/y5scratch.html/	Inputs
	in Scratch	that chooses randomly.		Selection
		2. Program	(5-7 hours)	Sensing
		inputs, conditions and		Variables
		sensing for interaction,		Debug
		data variables for		
		scoring and a game timer.		
		3.Program Inputs, outputs,		
		loops, conditions, sensing		
		and variables.		
Y6	Programming	1. Program	https://www.ilearn2.co.uk/y6scratch.html/	Inputs
	in Scratch	inputs, conditions, random variables for	(6-8 hours)	Operators
				Sensing
		unpredictability, game		Variables
		timer.		Broadcasts
		2.		
		Program inputs, conditions,		
		sensing, random variables,		
		operators for direction		
		and data variables for		
		scoring.		
		3. Use inputs, conditions,		
		loops, sensing, costume		
		changes and broadcasts. 4. Work with multiple		
		sprites to send broadcast		
		messages between them.		
		messages between them.		