

SKILLS PROGRESSION MAP FOR: Computing

			communication and collaboration.	as the World Wide Web, and the opportunities they offer for communication and collaboration.	provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration.	how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration.
Vocabulary	Grouping and sorting Sort, criteria Lego Builders Instruction, algorithm, computer, program, debug Maze Explorers Direction, challenge, arrow, undo, rewind, forward, backwards, right turn, left turn, debug, instruction, algorithm Coding Action, background, button, character, code block, code design, coder, coding, collision detection, command, design mode, input, scale, program, properties, when clicked, stop command, sound, when key	Coding Action, algorithm, bug, character, code block, code design, command, debug, design mode, input, object, properties, repeat, scale, timer, when clicked, when key	Coding Action, algorithm, bug, code block, code design, command, debug, design mode, event, if, input, output, object, repeat, timer, properties, computer simulation, selection, variable	Coding Action, alert, algorithm, code design, control, command, debug, debugging, design mode, event, flowchart bug, input, object, repeat, selection, computer simulation, timer, variable Logo Logo, BK, FD, RT, LT, repeat, SETPC, SETPS, PU, PD Hardware investigators Motherboard, CPU, RAM, Graphics card, network card, monitor, speakers, keyboard and mouse	Coding Action, alert, algorithm, bug, code design, command, control, debug, design mode, event, input, object, output, repeat, selection, simulation, sequence, timer, variable Game creator Animation Animation, computer game, customise, evaluation, image, instructions, interactive, screenshot, texture, perspective, playability	Coding Action, alert, algorithm, code design, command, control, debug, event, flowchart bug, function, input, object, output, repeat, selection, simulation, tabs, sequence, timer, variables Text adventures Text-based adventure, concept map, debug, sprite, function Networks Internet, world wide web, network, router, local area network, wide area network, wide area network, network cables, wireless Binary Base 10, base 2, binary, bit, byte, decimal, gigabyte, denary, digit, machine code, integer, kilobyte, switch, megabyte, nibble, switch, transistor, variable

To begin to recognise	To effectively	To demonstrate the	To explore and use	To have a secure	To demonstrate and
	*		-		use technology safely,
information	U U		e , ,,	-	respectfully and
technology beyond					responsibly; recognise
school.	school.		acceptable/		acceptable/
To start to use	To develop their	acceptable/	unacceptable	acceptable/	unacceptable
technology safely and	understanding and use	unacceptable	behaviour; identify a	unacceptable	behaviour; identify a
respectfully, keeping	technology safely and	behaviour; identify a	range of ways to report	behaviour; identify a	range of ways to report
personal information	respectfully, keeping	range of ways to report	concern about content	range of ways to report	concern about content
private; identify	personal information	concern about content	and contact.	concern about content	and contact through
where to go for help	private; identify where	and contact.		and contact.	developing critical
and support when	to go for help and				thinking.
they have concerns	support when they				
about content or	have concerns about				
contact on the	content or contact on				
internet or other	the internet or other				
online technologies.	online technologies.				
•	•	Online Safety	Online Safety	•	Online safety
			-	• •	Digital footprint,
					password, PEGI rating,
I					phishing, screen time,
			•		spoof website
	-	website, PEGI rating			
			spam		
•	search engine			bibliography	
•.					
				- CL	
-		-		•	To explain in detail and
• •	•,		•	•	use search
• • •		••			technologies
					effectively, appreciate
•					how results are selected and ranked,
	0	0 0	•	•	and be discerning in
content.		-			evaluating digital
		and combine a variety	Select, use and	Confidently select, use	content.
				I COMPLETITIN SELECT USE	
		of software (including	combine a variety of	and combine a variety	Independently select,
	technology beyond school. To start to 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	common uses of informationrecognise common uses of informationtechnology beyond school.technology beyond school.To start to use technology safely and respectfully, keeping personal informationTo develop their understanding and use technology safely and respectfully, keeping personal informationprivate; identify where to go for help and support when they have concerns about content or internet or otherprivate; identify personal informationonline technologies.online technologies.Online Safety and password, log out, my work, avatar, notification, topics, tools, saveOnline safet, sarch, digital footprint effective Searching lnternet, search, search engineTo begin to use technology organise, store, manipulate and retrieve digitalDemonstrate an ability to use technology purposefully to create, organise, store, manipulate and retrieve digital	common uses of information technology beyond school.recognise common uses of information technology beyond school.importance of using technology safely, respectfully and responsibly; recognise acceptable/ unacceptableTo start to use technology safely and personal information private; identify where to go for help and support when they have concerns about content or internet or other online technologies.importance of using technology safely and respectfully, keeping personal information private; identify where to go for help and support when to go for help and support when they have concerns about contact on the content or contact on internet or other online technologies.online Safety Password, internet, blog, concept map, username, password, log out, my work, avatar, my work, avatar, tools, save Technology Outside of School TechnologyOnline Safety Search engineOnline Safety Password, internet, blog, concept map, username, website, webpage, spoof website, PEGI ratingTo begin to use technology organise, store, manipulate and artrieve digital content.Demonstrate an ability ranke, and be discering in evaluating digital content. To start to select, use	common uses of informationrecognise common uses of informationimportance of using technology safely, respectfully and responsibly; recognise acceptable/ unacceptabletechnology safely, respectfully and responsibly; recognise acceptable/ unacceptabletechnology safely, respectfully and responsibly; recognise acceptable/ unacceptabletechnology safely, respectfully and responsibly; recognise acceptable/ unacceptabletechnology safely, respectfully and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or content or content or content or content or online technologies.importance of using technology safely, respectfully 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.technologiestechnology Safely, respectfully and respectfully, keeping private; identify where to go for help and support when they have concerns about content or contact on the internet, sharing, internet, sharing, internet, search, search engineOnline Safety Password, internet, blog, concept map, username, website, website, PEGI ratingOnline Safety Computer virus, cokies, copyright, digital footprint technology Outside organise, store, manipulate and retrieve digital content.To begin to use search ranked, and be arseeled and ranked, and be search technologiesTo understand and use search engineTo begin to use technologyDemostrate an ability to use technology purposefully to create, organise,	common uses of information technology beyond school.recognise common uses of information uses of information technology beyond school.importance of using technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report and support when they have concerns about content or the internet or other online technologies.importance of using technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report and contact.knowledge and use technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report and contact.knowledge and use technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report and contact.knowledge and use technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report and contact.knowledge and use technology acceptable unacceptable behaviour; identify a range of ways to report concern about content and contact.knowledge and use technology acceptableOnline Safety Dugital footprintOnline Safety Password, internet, blog, concept map, uses acch engineOnline Safety Password, internet, blog, concept map, uses acch engineCondite safety Password, internet, blog, concept map, uses acch engineOnline safety Password, internet, sarch engineTo begin to use search reputable, encryption, identity theft, malware, phishing, plagiarism, spamTo confiden

			range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	internet services) on a range of digital devices to design, create and explain a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	internet services) on a range of digital devices to design, create and improve a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	variety of software (including internet services) on a range of digital devices to design and create a range of programs for a specific audience, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
Vocabulary	Pictograms Pictogram, data, collate Animated Story Books Animation, e- book, font, file, sound effect, display board Spreadsheets Arrow keys, backspace, cursor, columns, cells, clipart, count tool, delete key, image toolbox, lock tool, move cell tool, rows, speak tool, spreadsheet	Spreadsheets Backspace key, copy and paste, columns, cells, count tool, delete key, equals tool, image toolbox, lock tool, move cell tool, rows, speak tool, spreadsheet Questioning Pictogram, question, data, collate, binary tree, avatar, database Creating pictures Impressionism, palette, pointillism, surrealism, share, template Making music Bpm, composition, digitally, instrument, music, sound effects, soundtrack, tempo, volume	Spreadsheets Advance mode, copy and paste, columns, cells, delete key, equals tool, spin tool, move cell tool, rows, spreadsheet Touch-typing Communication, email, compose, send, attachment, formatting, report to the teacher, password, address book, save to draft Branching databases Branching database, data, database, question Simulations Simulation Graphing Graph, field, data, bar chart, block graph, line graph Microsoft PowerPoint Animation, audio,	Spreadsheets Average, advance mode, columns, cells, charts, equals tool, formula, formula wizard, move cell tool, random tool, rows, spin tool, spreadsheet, timer Writing for different audiences Font, bold, italic, underline Animation, background, frame, flipbook, onion skinning, stop motion, play, sound, video clip Effective searching Easter egg, internet, internet browser, search, search engine, spoof website, website	Spreadsheet Average, advance mode, copy and paste, columns, cells, charts, equals tool, formula, formula wizard, move cell tool, random tool, rows, spin tool, spreadsheet, timer Databases Avatar, binary tree, charts, collaborative, data, database, find, record, sort, group and arrange, statistics and reports, table Modelling CAD, modelling, 3D, 2D, viewpoint, polygon, net, points, template, 3D template Effective searching Audience, collaboratively,	Spreadsheets Average, advance mode, copy and paste, columns, cells, charts, dice, formula, formula wizard, random tool, rows, move cell tool, spreadsheet, timer, spin tool Database Audience, blog, blog page, blog post, collaborative, icon Quizzing Audience, collaboration, concept map, database, quiz Microsoft Excel Alignment, calculate, cell, cell reference, chart, column, formula, function, range, row, spreadsheet, style,

Presenting Ideas	design template,	concept, concept map,	sum, text wrapping,
Concept map, quiz,	entrance animation,	connection, idea, node,	value, workbook
presentation, node,	font, media,	thought, visual	
animated, non-fiction,	presentation,	Microsoft Word	
narrative, audience	presentation program,	Copyright, cursor,	
	slide, slideshow, stock	document, font, inbuilt	
	image, text box, text	styles, merge cells,	
	formatting, transition	paragraph formatting,	
		readability, template,	
		text formatting, text	
		wrapping, word art,	
		word processing tool	