Computing
Key Vocabulary

Y1	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Technology around us	Digital painting	Moving a robot	Grouping Data	Digital writing	Programming animations
L1	Technology	paint program, tool, paintbrush, erase, fill, undo	Forwards, backwards, turn, clear, go, commands	Object, label, group, search, image	Word processor, keyboard, keys, letters, Microsoft Word, Google Docs	ScratchJr, Bee-Bot, command, sprite, compare, programming, programming area
L2	Computer, mouse/trackpad, keyboard, screen, click, drag	Piet Mondrian, primary colours, shape tools, line tool, fill tool, undo tool	Instructions, directions	Group, object, label, image	Word processor, keyboard, keys, letters, numbers, space, backspace, text cursor, Microsoft Word, Google Docs	Block, joining, command, start block, run, program, programming area, background, delete, reset, algorithm, predict
L3	Computer mouse/trackpad, draw, click, double-click, click and drag	Henri Matisse, shape tool, fill tool	Forwards, backwards, commands	Group, object, property, label, colour, size, shape	Word processor, keyboard, keys, capital letters, toolbar, bold, italic, underline, Microsoft Word, Google Docs	Effect, change, value, block
L4	Input device, computer, keyboard, mouse	Wassily Kandinsky, tools, feelings, colour, brush style	Left, right, turn, commands	Group, object, property, value, label, colour, data set	Word processor, keyboard, mouse, cursor, select, font, toolbar, bold, italic, underline, Microsoft Word, Google Docs	Instructions, sprite, delete, program, algorithm
L5	Shift, space bar, capital letter, full stop	Georges Seurat, Pointillism, brush size	Plan, algorithm, program	Group, object, property, value, label, colour, size, shape, more, less, most, fewest	Word processor, keyboard, keys, cursor, undo, font, toolbar, bold, italic, underline, Microsoft Word, Google Docs	Sprite, background, appropriate, algorithm
L6	Safely, responsibly, computer, technology	Pictures, painting, computers, like, prefer, dislike	Route, plan, program	Group, object, property, value, label, colour, data set, more, less, most, least, fewest, the same	Word processor, keyboard, keys, undo, backspace, toolbar, bold, italic, underline, Microsoft Word, Google Docs	Sprite, design, programming blocks, algorithm, programs

Y2	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Information Technology Around us	Digital Photography	Robot Algorithms	Pictograms	Making Music	An Introduction to Quizzes
L1	Information technology (IT), computer	Device, camera, photograph, capture, image, digital	Instruction, sequence, clear, unambiguous, algorithm, program	More than, less than, most, least, organise, data, object, tally chart, votes, total	Music, planets, Mars, Venus, war, peace, quiet, loud, feelings, emotions	Sequence, command, program, run, program, start
L2	Information technology	Landscape, portrait, horizontal, vertical, field of view, narrow, wide, format	Sequence, order, algorithm, commands	Pictogram, enter, data, tally chart, compare, more than, less than, objects, count	Pattern, rhythm, pulse	Sequence, command, outcome, predict, program, blocks
L3	Information technology (IT), computer	Framing, focal point, subject matter, field of view, format, compose	Sequence, prediction, program	Tally chart, data, pictogram, explain, more, less, most, least, more common, least common	Neptune, pitch, tempo, rhythm, notes	Sprite, algorithm, blocks, design, sequence, predict
L4	Information technology (IT), computer, barcode, scanner/scan	Natural lighting, artificial lighting, flash, focus, background, foreground	Artwork, design, route, mat	Attribute, group, same, different, object, more than/less than, most/least	Pattern, notes, instrument, tempo	Actions, sprite, project, blocks, design, sequence, modify, change
L5	Information technology	Editing, tools, colour, filter, images, Pixlr	Algorithm	Attribute, compare, tally chart, pictogram, more than, less than, most popular, least popular, conclusion	Create, emotion, pitch, pulse/beat, tempo, instrument, rhythm, notes	Design, algorithm, build, sequence, blocks, match
L6	Information technology	Format, framing, lighting, focus, filter, changed, real	Debugging, algorithm, program	Tally chart, pictogram, block diagram, most, least, common, sharing, data	Open, edit	Compare, design, debug, program, features, evaluate

Y3	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Connecting computers	Stop frame animation	Desktop publishing	Branching databases	Sequencing sounds	Events and actions in programs
L1	Digital device, input, output, process	Animation, flip book	Text, images, advantages, disadvantages, communicate	Attribute, value, questions, table, objects	Scratch, programming, blocks, commands, code, sprite, costume, stage, backdrop	Motion, event, sprite, algorithm, logic
L2	Digital device, input, output, process	Stop frame animation, frame, sequence, image, photograph	Font, font style, communicate, template	Branching database, database, attribute, value, questions, objects, equal, even, separate	Sprites, programming blocks, motion, turn, point in direction, go to, glide	Move, resize, algorithm
L3	Program	Setting, character, events, stop frame animation, onion skinning	Landscape, portrait, orientation, placeholder, template	Branching database, database, attribute, value, questions, objects	Sequence, event, task, design, code, run the code	Extension block, pen up, set up
L4	Connection, network, network switch	Stop frame animation, onion skinning, consistency	Desktop publishing, copy, paste	Branching database, attribute, questions, structure, compare, order, organise	Sequence, order, note, chord	Pen, design, event, action, algorithm
L5	Network switch, server, wireless access point (WAP)	Evaluation, animation, onion skinning, delete, frame	Layout, purpose	Branching database, attribute, value, question, j2data, selecting	Sprite, stage, costume, backdrop	Debugging, errors, setup
L6	Network switch, server, wireless access point (WAP)	Animation, media, import, transition	Desktop publishing, benefits	Branching database, attribute, value, questions, j2data, pictogram, compare, information, decision tree	Design, algorithm, bug, debug	Design, code, setup, test, debug, actions, events

Y4	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	The internet	Audio editing	Repetition in shapes	Data logging	Photo editing	Repetition in games
L1	Internet, network, router, network security	Audio, record, playback, microphone, speaker, headphones, input, output	Program, turtle, commands, code snippet	Data, table (layout)	Image, edit, arrange, select, digital, crop, undo, save	Scratch, programming, sprite, blocks, code, loop, repeat, value
L2	Network switch, server, wireless access point (WAP), router	Audio, sound, record, playback, start, pause, stop, podcast	Algorithm, design, debug, Logo commands (see Glossary handout)	Input device, sensor, data logger	Image, search, save, copyright, composition, edit, save, pixels, crop, rotate, flip	Block, repeat, forever, infinite loop, count-controlled loop, costume
L3	Website, web page, web address, router, routing, route tracing, browser	Audio, sound, record, playback, start, pause, stop, podcast, save, file	Pattern, repeat, repetition, count-controlled loop, algorithm, value	Data logger, logging, data point, interval	Image, adjustments, effects, colours, hue/saturation, sepia, save, version, illustrator, vignette	Repetition, forever, infinite loop, count-controlled loop, animate, costume, event block, duplicate
L4	World Wide Web, internet, content, website, web page, links, files	Audio, sound, record, playback, edit, selection, open, save, file	Repeat, repetition, count-controlled loop, trace, value	Analyse, data set, import, export	Image, edit, retouch, clone, recolour, magic wand, select, adjust, sharpen, brighten	Block, repeat, forever, infinite loop, modify, design
L5	Website, use, content, download, sharing, ownership, permission	Audio, sound, edit, selection, open, save, mixing, time shift	Repeat, count-controlled loop, decompose, procedure	Data, data logger, logged, collection	Image, fake, real, composite, cut, copy, paste, alter, background, foreground	Infinite loop, count-controlled loop, repetition, design, sprite, algorithm
L6	Information, sharing, accurate, honest, content, adverts	Export, MP3, audio, editing, evaluate, feedback	Count-controlled loop, procedure, debug, program	Analyse, review, conclusion	Image, publication, elements, original, font style, shapes, border, layer	Repetition, design, algorithm, duplicate, debug, refine, evaluate

Y5	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Sharing information	Vector drawing	Video editing	Flat file databases	Selection in physical computing	Selection in quizzes
L1	System, connection, digital, input, process, output	Vector, drawing tools, shapes, object, icons, toolbar	Video, audio, recording, storyboard, script, soundtrack, dialogue	Database, data, information, record, field, sort, order, group	Microcontroller, Crumble controller, components, LED, Sparkle, crocodile clips, connect, battery box, program, repetition, infinite loop	Selection, condition, true, false, count controlled loop
L2	System, connection, digital, input, process, output	Vector drawing, object, move, resize, colour, rotate, duplicate/copy	Video, audio, recording, capture, zoom, storage, digital, tape	Database, data, field, record, sort, order	Microcontroller, Crumble controller, output devices, motor, LED, Sparkle, crocodile clips, connect, battery box, program, repetition, count-controlled loop	Selection, condition, true, false, outcomes, conditional statement - the linking together of a condition and outcomes- algorithm, program, debug
L3	Protocol, address, packet	Organise, zoom, select, rotate, object, alignment grid, resize, handles, consistency, modify	Video, audio, AV (audiovisual), recording, save, videographer Video techniques: Zoom, pan, tilt, angle	Database, record, field, group, search, sort, order	Microcontroller, Crumble controller, components, switch, motor, LED, Sparkle, crocodile clips, connect, battery box, program, condition, true, false, input	Selection, condition, true, false, outcomes, question, answer, algorithm, program, debug
L4	Chat, explore, slide deck	Layers, object, front, back, order	Video, lighting, setting, YouTuber, content, light, audio/sound, camera angle, colour	Database, record, field, value, search, criteria	Microcontroller, output devices, selection, condition, action	Task, design, algorithm, input, program, selection, condition, outcomes
L5	Chat, explore	Copy, paste, group, ungroup, duplicate, object, vector drawing, reuse	Export, computer, Microsoft Movie Maker, split, trim/clip, edit, titles, end credits, timeline, transitions, audio, soundtrack, content, retake/reshoot (choose agreed language)	Database, record, field, graph, chart, axis, compare, filter	Task, design, selection, repetition, condition, action, microcontroller, Crumble controller, output devices, motor, LED, Sparkle, switch, crocodile clips, battery box	Implement, design, algorithm, program, selection, condition, outcome, test, run
L6	Reuse, remix, collaboration	Improvement, evaluate, alternatives, vector drawing	Video, special effects, title screen, end credits, export, constructive feedback	Database, field, record, graph, chart, presentation	Task, design, selection, repetition, condition, action, microcontroller, Crumble controller, output devices, motor, LED, Sparkle, switch, algorithm, program, debug, evaluate	Implement, design, algorithm, program, debug, test, setup, selection, condition, outcome, share, evaluate, constructive

Y6	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Internet communicating	3D modelling	Webpage creation	Introduction to spreadsheets	Variables in games	sensing
L1	Search, search engine, Google, Bing, Yahoo!, Swisscows, DuckDuckGo, refine	2D, 3D, 3D object, 3D space, view	Website, web page, browser, media, Hypertext Markup Language (HTML)	Spreadsheet, data, data heading, data set, cells, columns and rows	Variable, change, name, value	Micro:bit, MakeCode, input, process, output, flashing, USB
L2	Index, crawler, bot, search engine	2D, 3D, 3D object, 3D space, resize, colour, lift	Web page, website, logo, layout, header, media, purpose	Data, data item, data set, object, spreadsheet application, format, common attribute	Variable, name, value, set, change	Selection, condition, if… then… else, variable, random
L3	Ranking, search engine, search engine optimisation, links, web crawlers	Rotate, position, select, duplicate	Copyright, fair use	Formula, calculation, data, spreadsheet, input, output. cells, cell reference	Variable, set, change, design, event	Input, selection, condition, variable, sensing, accelerometer
L4	Searching, search engine, web crawler, content creator, selection, ranking	Dimensions, placeholder, hole, group, ungroup	Web page, home page, preview, evaluate, device, Google Sites	Data, calculate, operation, formula, cell, range, duplicate, sigma	Design, algorithm, code	Compass, direction, variable, navigation
L5	Communication, internet	Resize, group, ungroup, design	Website, web page, breadcrumb trail, navigation, hyperlink, subpage	Propose, question, data set, data, organised, formula	Task, algorithm, design, artwork, program, project, code, test, debug	Micro:bit, design, task, algorithm, variable, step counter
L6	Communication, public, private, one-way, two-way, one-to-one, one-to-many, SMS, email, WhatsApp, blog, YouTube, Twitter, BBC Newsround	Modify, evaluate, improve	Hyperlink, evaluate, website, web page, implication, external link, embed	Graph, chart, evaluate, results, comparison, questions, software, tools, data	Improve, evaluate, share	Plan, create, code, test, debug