



Computing Vocabulary Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	COMPUTING SYSTEMS AND NETWORKS Technology around us Online Safety Technology, computer, mouse, trackpad, keyboard, screen, click, drag, input device, shift, spacebar, capital letter, full stop, safely, responsibly	CREATING MEDIA Digital Painting Paint program, tool, paintbrush, erase, fill, undo, Piet Mondrian, primary colours, shape tools, line tool, fill tool, undo tool, Henri Matisse, Wassily Kandinsky, feelings, colour, brush style, George Seurat, Pointillism, prefer, dislike, like	CREATING MEDIA Digital writing Online Safety Word processor, keyboard, keys, letters, Microsoft Word, letters, numbers, space, backspace, text cursor, toolbar, bold, italic, underline, undo, font, toolbar	DATA AND INFORMATION Grouping data Online Safety Object, label, group, search, image, colour, shape, property, value, data set, less, most, fewest, the same	PROGRAMMING A Moving a robot Forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, plan, algorithm, route, program	PROGRAMMING B Introduction to animation Scratch Jr, Bee-Bot, command, sprite, compare, programming, programming area, block, joining, start, program, background, delete, reset, algorithm, predict, effect, change, value, block, instructions, appropriate, design
Year 2	COMPUTING SYSTEMS AND NETWORKS Information technology around us Online safety Information technology (IT), computer, barcode, scanner/scan	CREATING MEDIA Digital photography Device, camera, photograph, capture, image, digital, landscape, portrait, horizontal, vertical, field of view, narrow, wide, format, framing, focal point, subject, matter, flash, focus, background, foreground, editing, filter, Pixl, changed, real	CREATING MEDIA Making music Online safety Music, planets, Mars, Venus, war, peace, quiet, loud, feelings, emotions, pattern, rhythm, pulse, Neptune, pitch, tempo, notes, instrument, create, open, edit	DATA AND INFORMATION Pictograms Online safety More than, less than, most, least, organise, data, object, tally chart, votes, total, pictogram, enter, data, tally chart, compare, count, explain, attribute, group, same, different, most popular, least popular	PROGRAMMING A Robot algorithms Instruction, sequence, clear, unambiguous, algorithm, program, order, commands, prediction, artwork, design, route, mat, debugging	PROGRAMMING B Introduction to quizzes Sequence, command, program, run, program, start, predict, blocks, actions, sprite, modify, match, debug, features, evaluate
Year 3	COMPUTING SYSTEMS AND NETWORKS Connecting Computers Digital device, input, output, process, program, connection, network, network switch, server, wireless access point (WAP)	CREATING MEDIA Stop frame animation Online safety Animation, flip book, stop frame, animation, frame, sequence, image, photograph, setting, character, events, onion skinning, consistency, delete, frame, media, import, transition	CREATING MEDIA Desktop publishing Online safety Text, images, advantages, disadvantages, communicate, font, style, template, desktop publishing, copy, paste, layout, purpose, benefits	DATA AND INFORMATION Branching databases Attribute, value, questions, table, objects, branching databases, objects, equal, even, separate, order, organise, j2data, selecting, pictogram, information, decision tree, questions	PROGRAMMING A Sequence in music Scratch, programming, blocks, commands, code, sprite, costume, stage, backdrop, motion, turn, point in direction, go to, glide, event, task, design, code, run the code, order, note, chord, algorithm, bug, debug	PROGRAMMING B Events and actions Motion, event, sprite, algorithm, logic, move, resize, algorithm, extension block, pen up, set up, design, action, debugging, errors, setup, test
Year 4	COMPUTING SYSTEMS AND NETWORKS The internet Internet, network, router, network security, network switch, wireless access point (WAP), router, website, web page, web address, router, routing, route tracing, browser, World Wide Web, content, links, files, use, download, sharing, ownership, permission, accurate, honest, adverts	CREATING MEDIA Audio editing Online safety Audio, record, playback, microphone, speaker, headphones, input, output, start, stop, podcast, save, file, selection, edit, mixing, time shift, export, MP3, evaluate, feedback	CREATING MEDIA Photo editing Online safety Image, edit, arrange, select, digital, crop, undo, save, search, copyright, composition, save, pixels, rotate, flip, adjustments, effects, colours, hue/saturation, sepia, version, illustrator, clone, recolour, magic wand, sharpen, brighten, fake, real, composite, background, foreground, retouch, paste, alter, publication, elements, original, font style, border, layer	DATA AND INFORMATION Data logging Data, table (layout), input device, sensor, data logger, logging, data point, interval, analyse, import, export, logged, collection, analyse, review, conclusion	PROGRAMMING A Repetition in shapes Program, turtle, commands, code, snippet, algorithm, design, debug, logo commands, pattern, repeat, repetition, count-controlled loop, value, decompose, procedure	PROGRAMMING B Repetition in games Scratch, programming, sprite, blocks, code, loop, repeat, value, forever, infinite loop, count-controlled loop, animate, costume, event block, duplicate, modify, debug, refine, evaluate, algorithm



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Year 5	<p>COMPUTING SYSTEMS AND NETWORKS</p> <p>Sharing information Online safety</p> <p>System, connection, digital, input, process, output, protocol, address, packet, chat, explore, slide deck, reuse, remix, collaboration</p>	<p>CREATING MEDIA</p> <p>Video editing Online safety</p> <p>Video, audio, recording, storyboard, script, soundtrack, dialogue, capture, zoom, storage, digital, tape, AV (audiovisual), videographer, video techniques, zoom, pan, tilt, angle, YouTuber, content, camera, colour, export, trim/clip, titles, end credits, timeline, transitions, soundtrack, retake/reshoot, special effects, constructive feedback</p>	<p>CREATING MEDIA</p> <p>Vector drawing Online safety</p> <p>Vector, drawing tools, shapes, object, icons, toolbar, move, resize, colour, rotate, duplicate/copy, zoom, select, alignment grid, handles, consistency, modify, layers, front, back, copy, paste, group, ungroup, reuse, improvement, evaluate, alternatives</p>	<p>DATA AND INFORMATION</p> <p>Flat-file databases</p> <p>Database, data, information, record, field, sort, order, group, search, criteria, value, graph, chart, axis, compare, filter, presentation</p>	<p>PROGRAMMING A</p> <p>Selection in physical computing</p> <p>Microcontroller, crumble controller, components, LED, Sparkle, crocodile clips, connect, battery box, program, repetition, infinite loop, count-controlled loop, condition, true, false, input, action, selection, motor, switch, algorithm, debug, evaluate</p>	<p>PROGRAMMING B</p> <p>Selection in quizzes</p> <p>Selection, condition, true, false, count-controlled loop, outcomes, conditional statement – the linking together of a condition and outcomes, algorithm, program, debug, implement, question, answer, task, input, outcomes, test, run, setup, share, evaluate, constructive</p>
Year 6	<p>COMPUTING SYSTEMS AND NETWORKS</p> <p>Communication Online safety</p> <p>Search, search engine, Google, Bing, Yahoo, Swisscows, DuckDuckGo, refine. index, crawler, bot, optimisation, links, web crawlers, content creator, ranking, communication, internet, public, private, one-way, two-way, one-to-one, one-to-many, SMS, email, WhatsApp, blog, YouTube, Twitter, BBC Newsround</p>	<p>CREATING MEDIA</p> <p>Web page creation Online safety</p> <p>Website, web page, browser, media, Hypertext Markup Language (HTML), layout, header, media, purpose, copyright, fair use, evaluate, preview, device, breadcrumb, trail, navigation, hyperlink, subpage, implication, external link, embed</p>	<p>CREATING MEDIA</p> <p>3D modelling Online safety</p> <p>2D, 3D, 3D object, 3D space, view, resize, colour, lift, rotate, position, select, duplicate, dimensions, placeholder, hole, group, ungroup, modify, evaluate, improve</p>	<p>DATA AND INFORMATION</p> <p>Spreadsheets</p> <p>Spreadsheet, data, data heading, data set, cells, columns and rows, data item, format, common attribute, formula, calculation, call reference, sigma, graph, evaluate, results, comparisons, questions, software, tools, data, propose</p>	<p>PROGRAMMING A</p> <p>Variables in games</p> <p>Variable, change, name, value, set, design, algorithm, code, task, artwork, program, project, code, test, debug, improve, evaluate, share</p>	<p>PROGRAMMING B</p> <p>Sensing</p> <p>Micro-bit, MakeCode, input, process, output, flashing, USB, selection, condition, if... then... else, variable, random, navigation, design, task, step counter, plan, create, code, test, debug</p>