

Glenmere Community Primary School

Computing vocabulary Progression

	Autumn 1	Autumn 2	Spring 2	Spring 2	Summer 1	Summer 2
EYFS	<p><u>Computing Systems and Networks</u> <u>Online Safety</u></p> <p>Mouse, screen, touchscreen, keyboard, click, button, computer, Internet, camera, choices, website, feelings: angry, sad, happy, scared</p>	<p><u>Creating Media A</u></p> <p>Tool, paintbrush, shape, paint, pattern, image, create</p>	<p><u>Programming A</u></p> <p>Bee-Bot, Instructions, input, forwards, backwards, go, commands, program, route, movement,</p>	<p><u>Data and Information</u></p> <p>Collect, photos, photograph, video, sound, record</p>	<p><u>Creating Media B</u></p> <p>Video, Record, Create, Play, Stop</p>	<p><u>Programming B</u></p> <p>Tap, drag, click, Instructions, obstacle, predict,</p>
Year 1	<p><u>Computing Systems and Networks</u> <u>Technology around us</u> <u>Online Safety</u></p> <p>Technology, computer, mouse, trackpad, keyboard, screen, click, drag, input, device, shift, space bar, capital letter, full stop, safely, responsibly</p>	<p><u>Creating Media A</u> <u>Digital painting</u></p> <p>Paint program, tool, paintbrush, erase, fill, undo, Piet Mondrian, primary colours, shape tools, line tool, fill tool, undo tool, Henri Matisse, Wassily Kadinsky, feelings, colour, brush style, George Seurat, Pointillism, prefer, dislike, like</p>	<p><u>Programming A</u> <u>Moving a robot</u></p> <p>Forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, plan, algorithm, route, program</p>	<p><u>Data and Information</u> <u>Grouping data</u> <u>Online Safety</u></p> <p>Object, label, group, search, image, colour, shape, property, value, data set, less, most, fewest, the same</p>	<p><u>Creating Media B</u> <u>Digital writing</u> <u>Online Safety</u></p> <p>Word processor, keyboard, keys, letters, Microsoft Word, letters, numbers, space, backspace, text, cursor, toolbar, bold, italic, underline, undo, font, toolbar</p>	<p><u>Programming B</u> <u>Programming animation</u></p> <p>Scratch Jnr, Bee Bot, command, Sprite, compare, programming, programming area, block, joining, start, program, background, delete, reset, algorithm, predict, effect, change, value, instruction, appropriate, design</p>
Year 2	<p><u>Computing Systems and Networks</u> <u>Information technology around us</u></p> <p>Information technology (IT), computer, barcode, scanner/scan</p>	<p><u>Creating Media A</u> <u>Digital photography</u></p> <p>Device, camera, photograph, capture, image, digital, landscape, portrait, horizontal, vertical, field of view,</p>	<p><u>Programming A</u> <u>Robot algorithms</u></p> <p>Instruction, sequence, clear, unambiguous, algorithm, program, order, command, prediction,</p>	<p><u>Data and Information</u> <u>Pictograms</u> <u>Online Safety</u></p> <p>More than, less than, most, least, organise, data, object, tally chart, votes, total, pictogram,</p>	<p><u>Creating Media B</u> <u>Making music</u> <u>Online Safety</u></p> <p>Music, planets, Mars, Venus, war, peace, quiet, loud, feelings, emotions, pattern, rhythm, pulse, Neptune, pitch, tempo,</p>	<p><u>Programming B</u> <u>Programming quizzes</u></p> <p>Sequence, command, program, start, predict, blocks, actions, sprite, modify, match, debug, features, evaluate</p>

		narrow, wide, format, framing, focal point, subject matter, flash, focus, background, editing, filter, pixel, changed, real	artwork, design, route, mat, debugging	enter, data, compare, count, explain, attribute, group, same, different, most popular, least popular	notes, instrument, create, open, edit	
Year 3	<p><u>Computing Systems and Networks</u> <u>Connecting computers</u></p> <p>Digital device, input, output, process, program, connection, network, network switch, server, wireless access point (WAP),</p>	<p><u>Creating Media A</u> <u>Stop-frame animation</u> <u>Online Safety</u></p> <p>Animation, flip book, stop-frame, frame, sequence, image, photograph, setting, character, events, onion skinning, consistency, delete, frame, media, import, transition</p>	<p><u>Programming A</u> <u>Robot algorithms</u></p> <p>Scratch, programming, blocks, commands, code, sprite, costume, stage, backdrop, motion, turn, point in direction, got to, glide, event, task, design, code, run the code, order, note, chord, algorithm, bug, debug</p>	<p><u>Data and Information</u> <u>Branching databases</u></p> <p>Attribute, value, questions, table, object, branching databases, objects, equal, even, separate, order, organise, J2data, selecting, pictogram, information, decision tree</p>	<p><u>Creating Media B</u> <u>Desktop publishing</u> <u>Online Safety</u></p> <p>Text, images, advantages, disadvantages, communicate, font, style, template, desktop publishing, copy, paste, layout, purpose, benefits</p>	<p><u>Programming B</u> <u>Events and actions in programs</u></p> <p>Motion, event, sprite, algorithm, logic, move, resize, extension block, pen up, set up, design, action, debugging, errors, setup, test</p>
Year 4	<p><u>Computing Systems and Networks</u> <u>The Internet</u></p> <p>Internet, network, router, network security, network switch, wireless access point (WAP), web site, web page, web address, router, routing, route tracing, browser, World Wide Web, content, links, files, use, download, sharing, ownership, permission, accurate, honest, adverts</p>	<p><u>Creating Media A</u> <u>Audio editing</u> <u>Online Safety</u></p> <p>Audio, record, playback, microphone, speaker, headphones, input, output, start, stop, podcast, save, file, selection, edit, mixing, time shift, export, MP3, evaluate, feedback</p>	<p><u>Programming A</u> <u>Repetition in shapes</u></p> <p>Program, turtle, demands, code, snippet, algorithm, design, debug, logo commands, pattern, repeat, repetition, count-controlled loop, value, decompose, procedure</p>	<p><u>Data and Information</u> <u>Data logging</u></p> <p>Data, table (layout), input device, sensor, data logger, logging, data point, interval, analyse, import, export, logged, collection, review, conclusion</p>	<p><u>Creating Media B</u> <u>Photo editing</u> <u>Online Safety</u></p> <p>Image, edit, arrange, select, digital, crop, undo, save, search, copyright, composition, save, pixels, rotate, flip, adjustments, reflects, colours, hue/saturation, sepia, version, illustrator, close, recolour, magic wand, sharpen, brighten, fake, real, composite, background, foreground, retouch, paste, alter, publication, elements,</p>	<p><u>Programming B</u> <u>Repetition in games</u></p> <p>Scratch, programming, sprite, blocks, code, loop, repeat, value, forever, infinite loop, count-controlled loop, animate, costume, event block, duplicate, modify, debug, refine, evaluate, algorithm</p>

					original, font style, border, layer	
Year 5	<p><u>Computing Systems and Networks</u> <u>Sharing information</u> <u>Online Safety</u></p> <p>System, connection, digital input, process, output, protocol, address, chat, explore, slide deck, reuse, remix, collaboration</p>	<p><u>Creating Media A</u> <u>Video editing</u> <u>Online Safety</u></p> <p>Video, audio, recording, storyboard, script, soundtrack, dialogue, capture, zoom, storage, digital, tape, AV (audio visual), videographer, video techniques, zoom, pan, tilt, angle, YouTuber, content, camera, colour, export, trim/clip, titles, end credits, timelines, transitions, soundtrack, retake/reshoot, special effects, constructive feedback Planning, capturing and editing video to produce a short film</p>	<p><u>Programming A</u> <u>Selection in physical computing</u></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><u>Data and Information</u> <u>Flat-file databases</u></p> <p>Database, data, information, record, field, sort, order, group, search, criteria, value, graph, chart, axis, compare, filter, presentation</p>	<p><u>Creating Media B</u> <u>Vector drawing</u> <u>Online Safety</u></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><u>Programming B</u> <u>Selection in quizzes</u></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, test, run, setup, share, evaluate, constructive</p>
Year 6	<p><u>Computing Systems and Networks</u> <u>Internet communication</u> <u>Online Safety</u></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-</p>	<p><u>Creating Media A</u> <u>Webpage creation</u> <u>Online Safety</u></p> <p>Website, webpage, 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><u>Programming A</u> <u>Variables in games</u></p> <p>Variable, name, change, value, set, design, algorithm, code, task, artwork, program, project, text, debug, improve, evaluate, share</p>	<p><u>Data and Information</u> <u>Introduction to spreadsheets</u></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, purpose</p>	<p><u>Creating Media B</u> <u>3D modelling</u> <u>Online Safety</u></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><u>Programming B</u> <u>Sensing</u></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>

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