

West Pennard Teach Computing Vocabulary Progression

	COMPUTING SYSTEMS AND NETWORKS	CREATING MEDIA	PROGRAMMING A	DATA AND INFORMATION	CREATING MEDIA	PROGRAMMING B
Year 1	Technology around us Online Safety Technology, computer, mouse, trackpad, keyboard, screen, click, drag, input, device, shift, spacebar, capital letter, full stop, safety, responsibility	Digital Painting Paint program, tool, paintbrush, erase, fill, undo, primary colours, shape tools, line tool, filly tool, undo tool, colour, brush style	Moving a robot Forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, plan, algorithm, route, program	Grouping data Online Safety Object, label, group, search, image, colour, shape, property, value, data, set, less, most, fewest, the same	Digital Writing Online Safety Word processor, keyboard, keys, letters, Microsoft Word, letters, numbers, space, backspace, text cursor, toolbar, bold, italic, underline, undo, font, toolbar	Introduction to animation Scratch, 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	Information technology around us Online Safety Information technology (IT), computer, barcode, scanner, scan	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	Robot algorithms Instructions, sequence, clear, unambiguous, algorithm, program, order, commands, prediction, artwork, design, route, mat, debugging	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	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	Introduction to quizzes Sequence, command, program, run, program, start, predict, blocks, actions, sprite, modify, match, debug, features, evaluate

West Pennard Teach Computing Vocabulary Progression

Year	Connecting Computers	Stop frame animation Online Safety	Sequence in music	Branching databases	Desktop publishing Online Safety	Events and actions
	Digital device, input, output, process, program, connection, network, network switch, sever, wireless access point (WAP)	Animation, flipbook, stop frame, animation, frame, sequence, image, photograph, setting, character, events, onion skinning, consistency, delete, frame, media, import, transition	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	Attribute, value, questions, table, objects, branching databases, objects, equal, even, separate, order, organise, j2data, selecting, pictogram, information, decision tree	Text, images, advantages, disadvantages, communicate, font, style, template, desktop, publishing, copy, paste, layout, purpose, benefits	Motion, event, sprite, algorithm, logic, move, resize, algorithm, extension block, pen up, set up, design, action, debugging, errors, setup, text
Year 4	The Internet	Audio editing Online Safety	Repetition in Shapes	Data logging	Photo editing Online safety	Repetition in games
	Internet, network, router, network, security, network switch, wireless access point (WAP), router, website, web page, web address, router, routing, rout tracing, browser, World Wide Web, content, links, files, use, download,	Audio, record, playback, microphone, speaker, headphones, input, output, start, stop, podcast, save, file, selection, edit, mixing, time shift, export, MP3, evaluate, feedback	Program, turtle, commands, code, snippet, algorithm, design, debug, logo commands, pattern, repeat, repetition, count-controlled loop, value, decompose, procedure	Data, table (layout), input device, sensor, data logger, logging, data point, interval, analyse, import, export, logged, collection, analyse, review, conclusion	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,	Scratch, programming, sprite, blocks, code, loop, repeat, value, forever, infinite loop, count-controlled loop, animate, costume, event block, duplicate, modify, debug, refine, evaluate, algorithm

West Pennard Teach Computing Vocabulary Progression

	sharing, ownership, permission, accurate, honest, adverts				brighten, fake, real, composite, background, foreground, retouch, paste, alter, publication, elements, original, font style, border, layer	
Year 5	Sharing information Online safety System, connection, digital, input, process, output, protocol, address, packet, chat, explore, slide deck, reuse, remix, collaboration	Video editing Online Safety 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, timeline, transitions, soundtrack, retake/reshoot, special effects, constructive feedback	Selection in physical computing 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	Flat-file databases Database, data, information, record, field, sort, order, group, search, criteria, value, graph, chart, axis, compare, filter, presentation	Vector drawing Online safety 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	Selection in quizzes Selection, condition, true, false, count-controlled loop, outcomes, conditional statements – the linking together of a condition and outcomes, algorithm, program, debug, implement, question, answer, task, input, outcomes, test, run, setup, share, evaluate, constructive
Year 6	Communication Online safety Sear, sear engine, Google, Bing, Yahoo, Swisscows, DuckDuckGo, refine, index, crawler, bot, optimisation, links, web crawlers,	Web page creation Online safety Website, web page, browser, media, Hypertext Markup Language (HTML), layout, header, media, purpose,	Variables in games Variable, change, name, value, set, design, algorithm, code, task, artwork, program, project, code, test, debug, improve, evaluate, share	Spreadsheets Spreadsheet, data, data heading, data set, cells, columns and rows, data item, format, common attribute,	3D modelling Online Safety 2D, 3D, 3D object, 3D space, view, resize, colour, lift, rotate, position, select, duplicate, dimensions,	Sensing Micro-bit, MakeCode, input, process, output, flashing, USB, selection, condition, if....then...else, variable, random, navigation, design,

West Pennard Teach Computing Vocabulary Progression

	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	copyright, fair use, evaluate, preview, device, breadcrumb, trail, navigation, hyperlink, subpage, implication, external link, embed		formula, calculation, call reference, sigma, graph, evaluate, results, comparisons, questions, software, tools, data, purpose	placeholder, hole, group, ungroup, modify, evaluate, improve	task, step counter, plan, create, code, test, debug
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