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 3	**Connecting Computers** Digital device, input, output, process, program, connection, network, network switch, sever, wireless access point (WAP)	**Stop frame animation** **Online Safety** Animation, flipbook, stop frame, animation, frame, sequence, image, photograph, setting, character, events, onion skinning, consistency, delete, frame, media, import, transition	**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	**Branching databases** Attribute, value, questions, table, objects, branching databases, objects, equal, even, separate, order, organise, j2data, selecting, pictogram, information, decision tree	**Desktop publishing** **Online Safety** Text, images, advantages, disadvantages, communicate, font, style, template, desktop, publishing, copy, paste, layout, purpose, benefits	**Events and actions** Motion, event, sprite, algorithm, logic, move, resize, algorithm, extension block, pen up, set up, design, action, debugging, errors, setup, text
Year 4	**The Internet** 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 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	**Repetition in Shapes** Program, turtle, commands, code, snippet, algorithm, design, debug, logo commands, pattern, repeat, repetition, count-controlled loop, value, decompose, procedure	**Data logging** Data, table (layout), input device, sensor, data logger, logging, data point, interval, analyse, import, export, logged, collection, analyse, review, conclusion	**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,	**Repetition in games** Scratch, programming, sprite, bocks, 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	Sp**readsheets** 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