



## Vocabulary Progression-Computing



EYFS	KS1		KS2			
<p><b>Using a computer:</b> arrow, click, computer, computer safety, computer tower, cursor, drag, drop, keyboard, left click, letters, lock, log in, log out, lowercase, monitor, mouse, mouse control, move, numbers, paint, password, personal, protect, right click, secure, security, stamp, type, uppercase</p>	<p><b>Computing systems and networks:</b> <b>Improving mouse skills</b> account, click, ctrl, cursor, drag, drag and drop, digital photograph, drop, duplicate, keyboard, layers, log on/ in, log out/ off, menu, mouse, mouse pointer, password, right click, screen (monitor), software, tool, username</p>	<p><b>Computing systems and networks 1: What is a computer?</b> battery, buttons, camera, computer, desktop, device, digital, digital recorder, electricity, function, input, invention, keyboard, laptop, monitor, mouse, output, paying till, scanner, screen, system, tablet, technology, video, wires</p>	<p><b>Computing systems and networks 1: Networks and the internet</b> cables, component, connection, corrupted, data, desktop, device, DSL (digital subscriber line), fibre, file, internet, laptop, network, network map, network switch, packets, radio waves, router, server, submarine cables, tablet, text map, The Cloud, web server, website, website trackers, WiFi,</p>	<p><b>Computing systems and networks: Collaborative learning</b> animations, average, bar chart, collaboration, comment, conditional formatting, contribution, data, edited, email account, format, freeze, icon, images, insert, link, multiple choice, numerical data, pie chart, presentations, resolved, reviewing comments, share, slides, software,</p>	<p><b>Computing systems and networks: Search engines</b> algorithm, appropriate, copyright, correct, credit, data leak, deceive, fair, fake, inappropriate, incorrect, index, information, keywords, network, privacy, rank, real, search engine, TASK, web crawler, website</p>	<p><b>Computing systems and networks: Bletchley Park</b> acrostic code, brute force hacking, caesar cipher, chip and pin system, cipher, code, combination, contribute, convince, date shift cipher, discovery, hero, invention, Nth Letter Cipher, password, Pig Latin, Pigpen cipher, present, scrambled, secret, secure, technological advancement, trial and error</p>

			wired, wireless, Wireless Access Points, World Wide Web	spreadsheets, suggestions, survey, teamwork, themes, transitions (Microsoft version add in: rating)		
<p><b>All about instructions:</b> adjective, algorithm, bend down, blindfold, debug, describe, duck, first, follow, give, hop, instructions, last, left, next, order, predict, prediction, right, run, second, sequence, shuffle, skip, stand still, step over, stop, straight on, third, tiptoe, timer, turn, two-part instructions, under, walk around</p>	<p><b>Programming 1: Algorithms unplugged</b> algorithm, automatic, bug, chunks, clear, code, debug, decompose, decomposition, device, directions, input, instructions, manageable, motion, order, organise, output, precise, programming, problem, robot, sensor, sequence, solution, specific, steps, tasks, virtual assistant</p>	<p><b>Programming 1: Algorithms and debugging</b> abstraction, algorithm, artificial intelligence, bug, clear, correct, data, debug, decompose, error, key features, loop, predict, unnecessary</p>	<p><b>Programming: Scratch</b> algorithm, animation, application, code, code block, coding application, debug, decompose, interface, game, loop, predict, program, remixing code, repetition code, review, Scratch, sprite, tinker</p>	<p><b>Programming 1: Further coding with Scratch</b> broadcast block, code blocks, conditional, coordinates, decomposition, features, game, information, negative numbers, orientation, parameters, position, program, project, script, sprite, stage, tinker, variables</p>	<p><b>Programming 1: Music</b> beat, bugs, coding, command, debug, decompose, error, instructions, loop, melody, mindmap, music, output, performance, pitch, play, predict, programming, rhythm, tempo, timbre, tinker, tutorials, typing</p>	<p><b>Programming: Introduction to Python</b> algorithm, code, command, design, import, indentation, input, instructions, loop, output, patterns, random, remix, repeat, shape</p>
<p><b>Exploring hardware:</b> batteries, behind, blurred, blurry, buttons, camera,</p>	<p><b>Skills showcase: Rocket to the moon</b> annotate, cells, components, create, data,</p>	<p><b>Computing systems and networks 2: Word processing</b> backspace, bold, copy, copyright,</p>	<p><b>Computing systems and networks 2: Emailing</b> attachment, bcc (blind carbon copy)</p>	<p><b>Creating media: Website design</b> assessment, audience, collaboration, content,</p>	<p><b>Data handling: Mars Rover 1</b> 8-bit binary, addition, ASCII, binary code, boolean, byte,</p>	<p><b>Data handling 1: Big data 1</b> algorithms, barcode, binary, Boolean, brand, chips, commuter,</p>

capture, clear, lick, computer, computer tower, crisp,digital camera, dial, digital clock, electricity, electric toothbrush, gallery, hard-drive, image, iPad, keyboard, keys, larger, lens, memory, mobile phones, monitor, motherboard, mouse, off, on, on top of, open, photograph, photographer, picture, point, power, pull, push, record, remote control, shoot, shut, smaller, speaker, still, system fan, tablets, technology, tinker, twist, under, USB stick, walkie-talkies	debug, designing, digital content, digital image, document, e-document, edit, editing program, evaluate, folder, input, instructions, log in, photo, program, order, robot, save, sequence, share, software, spreadsheet, table	cut, delete, forward button, highlight, home row, home screen, image, import, italics, keyboard, keyboard character, keyword, layout, navigate, paste, redo, search, space bar, text, text effects, touch typing, underline, undo, word processing	cc (carbon copy), compose, content, cyberbullying, document, domain, download, email, email account, email address, emoji, emotions, fake, font, genuine, hacker, icons, inbox, information, link, log in, log out, negative language, password, personal information, positive language, reply, responsible digital citizen, scammer, settings, send, sign in, spam email, subject bar, theme, tone, username, virus, WiFi	contribution, create, design, embed, evaluate, features, hyperlinks, images, insert, online, plan, progress, review, web page, website, World Wide Web (Google version add in: checklist, Google Sites, hobby, homepage, published, record, style, subpage, tab, theme)	communicate, construction, CPU, data transmission, decimal numbers, design, discovery, distance, hexadecimal, input, instructions, internet, Mars Rover, moon, numerical data, output, planet, radio signal, RAM, research, scientist, sequence, signal, simulation, space, subtraction, technology, transmit	contactless, data, encrypted, infrared, MagicBand, privacy, proximity, QR code, QR scanner, radio waves, RFID, signal, systems/data analyst, transmission, wireless
<b>Programming Bee-bots:</b> algorithm, arrow, back, backwards,	<b>Programming 2: Bee-Bots</b> algorithm, artificial intelligence, Bee-	<b>Programming 2: Scratch Jr</b> algorithm, animation, blocks,	<b>Computing systems and networks 3:</b>	<b>Skills showcase: HTML</b> code, component, content, copyright,	<b>Programming 2: Micro:bit</b> algorithm, animation, app,	<b>Creating media: History of computers</b>

Bee-Bot, circle, debug, direction, directions, forward, instructions, left, program, right, route, sequence, straight on, turn	Bot, clear, code, debug, demonstration, filming, inputting, instructions, pause, precise, predict, program, tinker, video, video recording	bug, button, CGI, computer code, code (verb), debug, fluid, icon, imitate, instructions, loop, 'on tap', programming, repeat, Scratch JR, sequence, sound recording	<b>Journey inside a computer</b> algorithm, assemble, CPU (central processing unit), data, decompose, desktop, disassemble, GPU (graphics processing unit), hard drive, HDD (hard disk drive), infinite loop, input, keyboard, laptop, memory, microphone, monitor, mouse, output, photocopier, program, QR code, RAM (random access memory), ROM (read only memory), storage, tablet device, technology, touchscreen, touchpad	CSS, end tag, fake news, hacking, heading, headline, hex code, HTML, input, internet browser, output, paragraph, permission, remixing, script, start tag, tags, text, URL, webpage	blocks, bluetooth, code block, connection, create, debug, decompose, designing, desktop, device, download, images, input, instructions, laptop, load, loop, Micro:bit, outputs, pairing, pedometer, polling, predict, program, repetition, reset, sabotage, scoreboard, screen, systematic, tablet, tinkering, USB, variables, wifi, wireless, wires	background noise, byte, computer, devices, file, FX, gigabyte, graphics, hard drive, hardware, kilobytes, megabyte, memory storage, mouse, operating system, overlay, play, processor, radio play, RAM, Raspberry Pi, record, reverb, ROM, script, smartphone, sound, sound effects, terrabytes, touch screen, track, trackpad, trailer
<b>Introduction to data:</b> altogether, bigger than, branch	<b>Creating media: Digital imagery</b> Background, blurred, camera,	<b>Creating media: Stop motion</b> Animation, animator,	<b>Creating media: Video trailers</b> pplication, camera angle, clip, edit, film	<b>Programming 2: Computational thinking</b>	<b>Creating media: Stop motion</b> animation, animator,	<b>Data handling 2: Big data 2</b> Big Data, bluetooth,

<p>database, categorise, category, colour, collect, column, count, data, describe, divide, equal, graph, group, height, in total, least popular, length, less, more, most popular, pattern, pictogram, record, row, share, size, smaller than, sort, square, texture, thicker than, thinner than, weight</p>	<p>clear, crop, delete, device, digital camera, download, drag and drop, edit, editing software, filter, image, import, internet, keyword, online, photograph, resize, save as, screen, search engine, sequence, software, storage space, visual effects</p>	<p>background, digital device, drawing, flipbook, frames, moving images, opinion skinning, still images</p>	<p>editing software, graphics, import, key events, photo, plan, recording, sound effects, storyboard, time code, trailer, transition, video, voiceover (Option 1 - as above, plus: cross blur, cross fade, cross zoom, desktop, digital device, dip to black, directional wipe, laptop) (Option 2 - as above, plus: cross dissolve, fade to black/white, slide, wipe)</p>	<p>abstraction, algorithm, code, computational thinking, decomposition, input, logical reasoning, output, pattern recognition, script, sequence, variable</p>	<p>background, character, decomposition, design, edit, evaluate, flip book, fluid movement, frame, model, moving images, still image, storyboard, thaumatrope, zoetrope</p>	<p>corrupted, data, energy, GPS, improve, infrared, Internet of Things, personal, privacy, QR codes, revolution, RFID, SIM, simulation, Smart city, Smart school, stop motion, threat, wifi, wireless</p>
	<p><b>Data handling: Introduction to data</b> bar chart, block graph, branching database, categorise, chart, click and drag, compare, count, data, data collection, data record, data</p>	<p><b>Data handling: International space station</b> algorithm, astronaut, data, digital, digital content, experiment, galaxy, insulation, interactive map, International Space Centre,</p>	<p><b>Data handling: Comparison cards databases</b> categorise, category, chart, data, database, fields, filter, graph, information, interpret, PDF, questionnaire, record,</p>	<p><b>Data handling: Investigating weather</b> accurate, backdrop, climate zone, cold, collaboration, condensation, cylinder, degrees, evaporation, extreme weather, forecast, heat sensor, lightning,</p>	<p><b>Skills showcase: Mars Rover 2</b> 3D, algorithm, binary image, CAD, compression, CPU, data, drag and drop, "Fetch, decode, execute", ID card, input, JPEG, memory, online community, operating system,</p>	<p><b>Skills showcase: Inventing a product</b> adapt, advert, algorithm, bugs, coding, debugging, design, edit, electronic, evaluate, facts, image rights, images, influence, information,</p>

	representation, edit, input, keyboard, line graph, mouse, information, label, pictogram, pie chart, process, record, resize, sort, table, tally, values	International Space Station, interpret, laboratory, monitor, planet, satellite, sensor, space, temperature, thermometer, water reservoir	representation, sort, spreadsheet	measurement, pinwheel, presenter, rain, satellite, script, sensitive, sensor data, solar panel, tablet/digital camera, temperature, thermometer, tornado, warm, weather, weather forecast, wind	output, pixels, RAM, responsible, RGB, ROM, safe	inputs, loops, manipulation, opinions, output, photos, product, program, repetition, screenshot, search engine, selection, sequence, snippets, software, structures, variables, video, website
	<b>Online safety</b> communicate, connect, console, devices, digital footprint, emotion, feelings, instructions, internet, internet safety, laptop, mood, online, personal information, phone, posting, predict, respect, sharing, smart device, smartphone, smart TV, smartwatch, strangers, tablet,	<b>Online safety</b> accept, comment, consent, content, deny, emojis, offline, online, password, permission, personal information, pop-ups, pressure, private information, reliable, share, terms and conditions, trusted adult	<b>Online safety</b> accurate, age restricted, autocomplete, beliefs, block, content, digital devices, fact, fake news, internet, opinion, password, persuasive, privacy settings, reliable, report, requests, search engine, security questions, sharing, smart devices, social media platforms, social networking, wellbeing	<b>Online safety</b> accuracy, advantages, advertisements, belief, bot, chatbot, computer, distractions, fact, hashtag, implications, in-app purchases, influencer, opinion, program, recommendations, reliable, risks, screen time, search results, snippets, sponsored, trustworthy	<b>Online safety</b> accurate information, advice, app permissions, application, apps, bullying, communication, emojis, health, in-app purchases, information, judgement, memes, mental health, mindfulness, mini-biography, online communication, opinion, organisation, password, personal	<b>Online safety</b> anonymity, antivirus, biometrics, block and report, consent, copy, digital footprint, digital personality, financial information, hacking, inappropriate, malware, online bullying, online reputation, password, paste, personal information, personality, phishing, privacy

	trust, wired, wireless				information, positive contributions, private information, real world, strong password, summarise, support, technology, trusted adult, wellbeing	settings, private, reliable source, report, reputation, respect, scammers, screengrab, secure, settings, software updates, two factor authentication, URL, username
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