Computing Curriculum Vocabulary 2023 – 24

Buckton Vale Primary School

At Buckton Vale we use the Kapow Computing scheme of work.

Below is a list of the key vocabulary that is covered across the computing curriculum.

Each year group is split into the key unit areas of learning with specific language repeated throughout the teaching year.

Year/Units	Using a computer	Online Safety	All about instructions	Exploring hardware	Introduction to data
EYFS	Arrow, click, computer, computer safety, computer tower, cursor, drag, drop, keyboard, left click, letters, lock, login, log out, lowercase, monitor, mouse, mouse control, move, numbers, paint, password, personal, protect, right click, secure, security, stamp, type, uppercase	Computers, online, safety, strangers, adults, feelings, emotions,	Adjective, algorithm, bend down, blindfold, debug, describe, duck, first, follow, five, 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	Batteries, behind, blurred, blurry, buttons, camera, 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	Altogether, bigger than, branch 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

Year/Units	Computing systems and networks: Improving mouse skills	Programming 1: Algorithms unplugged	Online safety	Creating media: Digital Imagery	Programming 2: Bee-Bots	Skills Showcase: Rocket to the moon
1	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.	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.	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, trust, wired, wireless	Background, blurred, camera, 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	Algorithm, artificial intelligence, Bee-Bot, clear, code, debug, demonstration, filming, inputting instructions, pause, precise, predict, program, tinker, video, video recording.	Annotate, cells, components, create, data, 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

Year/Units	Computing systems and networks 1: What is a computer?	Programming 1: Algorithms and debugging	Online Safety	Data handling: International space station	Programming 2: Scratch
2	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	Abstraction, algorithm, artificial intelligence, bug, clear, correct, data, debug, decompose, error, key features, loop, predict, unnecessary	Accept, comment, consent, content, deny, emojis, offline, online, password, permission, personal information, pop-ups, pressure, private information, reliable, share, terms and conditions, trusted adult	Algorithm, astronaut, data, digital, digital content, experiment, galaxy, insulation, interactive map, international space centre, international space station, interpret, laboratory, monitor, planet, satellite, sensor, space, temperature, thermometer, water reservoir	Algorithm, animation, blocks, bug, button, CGI, computer code, code (verb), debug, fluid, icon, imitate, instructions, loop, 'on tap', programming, repeat, Scratch, sequence, sound recording

Year/Units	Computing systems and Networks 1: Networks and the internet	Computing systems and networks 3: Journey inside a computer	Online Safety	Creating Media: Video trailers	Programming: Scratch
3	Cables, components, 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, website trackers, WiFi, wired, wireless, Wireless Access points, World Wide Web	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.	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	Application, camera angle, clip, edit, film editing software, graphics, import, key events, photo, plan, recording, sound effects, storyboard, time code, trailer, transition, video, voiceover, cross blur, cross fade, cross zoom, desktop, digital device,	Algorithm, animation, application, code, code block, coding application, debug, decompose, interface, game, loop, predict, program, remixing code, repetition code, review, Scratch, sprite, tinker

Year/Units	Computing systems and networks: Collabrative learning	Programming 1/2: Further coding with Scratch Computational thinking	Online Safety	Data handling: Investigating weather	Programming 2: Computational thinking	Skills Showcase HTML
4	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, spreadsheets, suggestions, survey, teamwork, themes, transitions, rating	Broadcast block, code blocks, conditional, coordinates, decomposition, features, game, information, negative numbers, orientation, parameters, position, program, project, script, sprite, stage, tinker, variables Abstraction, algorithm, code, computational thinking, decomposition, input, logical reasoning, output, pattern recognition, script, sequence, variable	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	Accurate, backdrop, climate zone, cold, collaboration, condensation, cylinder, degrees, evaporation, extreme weather, forecast, heat sensor, lightning, measurement, pinwheel, presenter, rain, satellite, script, sensitive, sensor data, solar panel, tablet/digital camera, temperature, thermometer, tornado, warm, weather, weather forecast, wind	Abstraction, algorithm, code, computational thinking, decomposition, input, logical reasoning, output pattern recognition, script, sequence, variable	Code, component, content, copyright, 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

Year/Units	Computing systems and networks: Search engines	Data handling: Mars Rover 1	Online Safety	Creating media: Stop motion	Programming 1: Music
4/5	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	8-bit binary, addition, ASCII, binary code, Boolean, byte, 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	Accurate information, advice, app permissions, application, apps, bullying, communication, emojis, health, in-app purchase, information, judgement, memes, mental health, mindfulness, mini-biography, online communication, opinion, organisation, password, personal information, positive contributions, private information, real world, strong password, summarise, support, technology, trusted adult, wellbeing	Animation, animator, background, character, decomposition, design, edit, evaluate, flip book, fluid movement, frame, model, moving images, still image, storyboard, thaumatrope, zoetrope Digital device, onion skinning, stop motion, effects, photos, script	Beat, bugs, coding, command, debug, decompose, error, instructions, loop, melody, mind-map, music, output, performance, pitch, play, predict, programming, rhythm, tempo, timbre, tinker, tutorials, typing, plan, repeat, scratch, soundtrack, spacing

Year/Units	Computing systems and networks: Search engines	Data handling: Mars Rover 1	Online Safety	Creating media: Stop motion	Programming 1: Music	Skills Showcase: Mars Rover 2
5/6	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	8-bit binary, addition, ASCII, binary code, Boolean, byte, 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	Accurate information, advice, app permissions, application, apps, bullying, communication, emojis, health, in-app purchase, information, judgement, memes, mental health, mindfulness, mini-biography, online communication, opinion, organisation, password, personal information, positive contributions, private information, real world, strong password, summarise, support, technology, trusted adult, wellbeing	Animation, animator, background, character, decomposition, design, edit, evaluate, flip book, fluid movement, frame, model, moving images, still image, storyboard, thaumatrope, zoetrope Digital device, onion skinning, stop motion, effects, photos, script	Beat, bugs, coding, command, debug, decompose, error, instructions, loop, melody, mind-map, music, output, performance, pitch, play, predict, programming, rhythm, tempo, timbre, tinker, tutorials, typing, plan, repeat, scratch, soundtrack, spacing	3D, algorithm, binary image, CAD, compression, CPU, data, drag and drop, fetch, decode, execute, ID card, input, JPEG, memory, online community, operating system, output, pixels, RAM, responsible, RGB, ROM, safe

Year/Units	Computing systems- and networks: Bletchley Park	Data handling 1: Big data 1	Online Safety	Creating Media: History of computers	Programming: Introduction to Python	Skills Showcase: Inventing a product
6	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	Algorithm, barcode, binary, Boolean, brand, chips, commuter, contactless, data, encrypted, infrared, Magic Band, privacy, proximity, QR code, QR scanner, radio waves, RFID, signal, systems/data analyst, transmission, wireless	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 settings, private, reliable source, report, reputation, respect, scammers, screengrab, secure, settings, software updates, two factor authentication, URL, username	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, terabytes, touch screen, track, trackpad, trailer	Algorithm, code, command, design, import, indentation, input, instructions, loop, output, patterns, random, remix, repeat, shape	Adapt, advert, algorithm, bugs, coding, debugging, design, edit, electronic, evaluate, facts, image rights, images, influence, information, inputs, loops, manipulation, opinions, output, photos, product, program, repetition, screenshot, search engine, selection, sequence, snippets, software, structures, variables, video, website.