Kapow Primary™

Computing

Key vocabulary

A list of vocabulary that is covered across the Kapow Primary Computing scheme of work. Words in bold show new vocabulary as it is introduced.

Content

Key Vocabulary

Unit	EYFS - Key Vocabulary
Using a computer	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
All about instructions	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
Exploring hardware	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
Programming Bee-Bots	algorithm, arrow, back, backwards, Bee-Bot, circle, debug, direction, directions, forward, instructions, left, program, right, route, sequence, straight on, turn
Introduction to data	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

Unit	Year 1 - Key Vocabulary
Computing systems and networks: Improving mouse skills	**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
Programming 1: Algorithms unplugged	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**
Skills showcase: Rocket to the moon	**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**
Programming 2: Bee-Bots	algorithm, **artificial intelligence, Bee-Bot,** clear, code, debug, **demonstration, filming,** inputting, instructions, **pause,** precise, **predict, program, tinker, video, video recording** (Option 2 only: **emulator, virtual**)
Creating media: Digital imagery	**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**
Data handling: Introduction to data	**bar chart, block graph, branching database, categorise, chart,** click and drag, **compare, count, data, data collection, data record, data representation,** edit, input, keyboard, line graph, mouse, information, label, **pictogram, pie chart, process,** record, resize, **sort,** table, **tally, values**
Online safety	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**

Unit	Year 2 - Key Vocabulary
Computing systems and networks 1: What is a computer?	**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
Programming 1: Algorithms and debugging	**abstraction**, algorithm, artificial intelligence, bug, clear, correct, data, debug, decompose, error, **key features, loop,** predict, **unnecessary**
Computing systems and networks 2: Word processing	**backspace, bold, copy, copyright, 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**
Programming 2: Scratch Jr	algorithm, animation, **blocks**, bug, button, **CGI, computer code,** code (verb), debug, **fluid, icon, imitate,** instructions, loop, '**on tap**', programming, repeat, **Scratch JR,** sequence, sound recording
Creating media: Stop motion	**Animation, animator, background, digital device, drawing, flipbook, frames, moving images, opinion skinning, still images** (Option 1- as above,plus: decompose, **object, plan**) (Option 2- as above, plus: decompose, digital camera, **duration, focus,** import, object, plan, save, **upload**) (Option 3- as above, plus: debug, effects, evaluate, **fluid, pen tool, static**)
Data handling: International space station	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**
Online safety	**accept, comment, consent, content, deny, emojis, offline,** online, password, **permission,** personal information, **pop-ups, pressure,** private information, **reliable,** share, **terms and conditions, trusted adult**

Unit	Year 3 - Key Vocabulary
Computing systems and networks 1: Networks and the internet	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,** wired, wireless, **Wireless Access Points, World Wide Web**
Programming: Scratch	algorithm, animation, **application,** code, code block, **coding application,** debug, decompose, **interface,** game, loop, predict, program, remixing code, repetition code, review, **Scratch,** sprite, tinker
Computing systems and networks 2: Emailing	**attachment, bcc (blind carbon copy) cc (carbon copy), compose,** content, **cyberbullying,** document, **domain, download, email, email account, email address, emoji,** emotions, **fake,** font, **genuine, hacker,** icons, **inbox,** information, l**ink,** 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
Computing systems and networks 3: Journey inside a computer	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**
Creating media: Video trailers	application, camera angle, **clip,** edit,**film 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**)
Data handling: Comparison cards databases	categorise, category, chart, data, database, **fields , filter,** graph, information, **interpret, PDF, questionnaire,** record, representation, sort, spreadsheet
Online safety	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**

Key Vocabulary

Unit	Year 4 - Key Vocabulary
Computing systems and networks: Collaborative learning	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** (Microsoft version add in: **rating**)
Programming 1: Further coding with Scratch	**broadcast block,** code blocks, **conditional, coordinates,** decomposition, **features,** game, information, **negative numbers, orientation, parameters, position,** program, project, **script,** sprite, **stage,** tinker, **variables**
Creating media: Website design	**assessment, audience,** collaboration, content, 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) (Microsoft version add in: **design view,** information, **Microsoft Sway, stack, storyline view,** style, **transform, web browser**)
Skills showcase: HTML	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**
Programming 2: Computational thinking	abstraction, algorithm, code, **computational thinking,** decomposition, input, **logical reasoning,** output, **pattern recognition,** script, sequence, variable
Data handling: Investigating weather	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**
Online safety	**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**

Unit	Year 5 - Key Vocabulary
Computing systems and networks: Search engines	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
Programming 1: Music	**beat, bugs, coding, command,** debug, decompose, error, instructions, loop, **melody, mindmap,** music, output, **performance, pitch, play,** predict, programming, **rhythm, tempo, timbre,** tinker, **tutorials,** typing (Sonic Pi version add in: **buffer,** format, **live loops, rehearsal, repetition, sleep, Sonic Pi, soundtrack, spacing, typo**) (Scratch version add in: plan, repeat, scratch, **soundtrack, spacing**)
Data handling: Mars Rover 1	**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**
Programming 2: Micro:bit	algorithm, animation, **app,** 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
Creating media: Stop motion	animation, **animator,** background, **character,** decomposition, design, edit, evaluate, **flip book, fluid movement, frame, model,** moving images, **still image,** storyboard, **thaumatrope, zoetrope** (Option 1 add in: digital device, onion skinning, stop motion) (Option 2 add in: effects, photos, script)
Skills showcase: Mars Rover 2	**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**
Online safety	**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 information, **positive contributions,** private information, **real world, strong password, summarise, support,** technology, trusted adult, wellbeing

Unit	Year 6 - Key Vocabulary
Computing systems and networks: Bletchley Park	**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**
Programming: Introduction to Python	algorithm, code, command, design, import, **indentation,** input, instructions, loop, output, patterns, **random, remix,** repeat, **shape**
Data handling 1: Big data 1	algorithms, **barcode,** binary, Boolean, **brand, chips, commuter, contactless,** data, **encrypted, infrared, MagicBand,** privacy, **proximity,** QR code, **QR scanner,** radio waves, **RFID,** signal, **systems/data analyst, transmission,** wireless
Creating media: History of computers	**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
Data handling 2: Big data 2	Big Data, bluetooth, 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
Skills showcase: Inventing a product	**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
Online safety	**anonymity, antivirus, biometrics, block and report,** consent, copy, cigital 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 authenication,** URL, username