

Computing

St Peter's C of E Primary
& Nursery School

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

| | |
|---------------|----------|
| EYFS | 3 |
| Year 1 | 4 |
| Year 2 | 5 |
| Year 3 | 6 |
| Year 4 | 7 |
| Year 5 | 8 |
| Year 6 | 9 |

| Unit | EYFS - Key Vocabulary |
|------|---|
| | Arrow, click, computer, laptop, keyboard, cursor, drag, batteries, buttons, camera, electricity, IPAD, CD player, on, off, remote control, internet, website, google, Bee-BOT, instructions, directions |

| 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 |

| | |
|-----------------------------|--|
| <p>Online safety</p> | <p>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</p> |
|-----------------------------|--|

| <p>Unit</p> | <p>Year 2 - Key Vocabulary</p> |
|---|--|
| <p>Computing systems and networks 1: What is a computer?</p> | <p>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>Programming 1: Algorithms and debugging</p> | <p>abstraction, algorithm, artificial intelligence, bug, clear, correct, data, debug, decompose, error, key features, loop, predict, unnecessary</p> |
| <p>Computing systems and networks 2: Word processing</p> | <p>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</p> |
| <p>Programming 2: Scratch Jr</p> | <p>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</p> |
| <p>Creating media: Stop motion</p> | <p>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)</p> |

| | |
|---|---|
| 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, 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 |
| 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 |

| 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, 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 |