

# Computing

## Key vocabulary



A list of vocabulary that is covered across the Kapow Primary Computing scheme of work.



### 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



### Computing systems and networks: Improving mouse skills

account, clipart, computer, log on, log off, mouse, password, resize, screen (monitor), software, tool, username

### Programming 1: Algorithms unplugged

algorithm, bug, computer, debug, decompose, device, input, instructions, output, solution

### Skills showcase: Rocket to the moon

computer, computer program, create, data, digital content, e-document, folder, list, save, sequence, share, spreadsheet

### Programming 2: Bee-Bots

algorithm, Bee-Bot, computing code, computer program, explain, explore, instructions, predict, tinker, video, virtual

### Creating media: Digital imagery

camera, collage, crop, delete, download, drag and drop, editing software, image, image filter, import, online, photo, resize, save as, search engine, sequence, storage space, visual effects

### Data handling: Introduction to data

branching database, categorise, chart, computer, data, information, label, pictogram, record, sort, table

### Online safety

Camera, 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



### Computing systems and networks 1: What is a computer?

battery, buttons, computer, desktop, device, electricity, input, invention, keyboard, laptop, screen (monitor), mouse, output, technology, wires

### Programming 1: Algorithms and debugging

abstraction, algorithm, artificial intelligence, bug, correct, data, debug, decompose, error, key features, loop, predict, unnecessary

### Computing systems and networks 2: Word processing

backspace, bold, copy, copyright, cut, delete, highlight, image, import, italics, keyboard, keyboard character, paste, redo, space bar, touch typing, underline, undo, word processing

### Programming 2: Scratch Jr

algorithm, animation, bug, computer code, code (verb), debug, icon, imitate, instructions, loop, repeat, Scratch JR, sequence

### Creating media: Stop motion

animation, animator, contraption, debugging, decompose, design, device, download, film review, filming, frame, import image, plan, onion skinning, sketch, software, stop motion, storyboard, upload

### Data handling: International space station

approximate, astronaut, data, digital content, experiment, interactive map, International space station (I.S.S), interpret, laboratory, monitor (verb), satellite, sensor, space, survival, thermometer

### Online safety

accept, comment, consent, content, emojis, offline, online, password, permission, personal information, private information, share, terms and conditions, trusted adult



### Computing systems and networks 1: Networks and the internet

desktop, device, DSL (digital subscriber line), file, internet, laptop, network, network map, network switch, router, server, submarine cables, The Cloud, WiFi, wired, wireless, wireless access points

### Programming: Scratch

animation, application, code, code block, debug, decompose, interface, loop, predict, program, remixing code, repetition code, review, Scratch, sprite, tinker

### Computing systems and networks 2: Emailing

battery, buttons, computer, desktop, device, electricity, input, invention, keyboard, laptop, screen (monitor), mouse, output, technology, wires

### Computing systems and networks 3: Journey inside a computer

algorithm, computer, computer program, CPU, (central processing unit) data, desktop, GPU (graphics processing unit), HDD (hard disk drive), QR code, RAM (random access memory), ROM (read only memory), tablet device, trackpad

### Creating media: Video trailers

application, camera angle, clip, desktop, digital device, edit, film, film editing software, graphics, import (software), key events, laptop, music, photo, plan, recording (electronic), sound effects, storyboard, time code, trailer, video, voiceover

### Data handling: Comparison cards databases

categorise, data, database, fields (data), filter (data), graphs and charts, information, record, sort, spreadsheet

### Online safety

accurate, age restricted, autocomplete, beliefs, block, content, digital devices, fact, fake news, opinion, password, persuasive, privacy settings, reliable, report, requests, search engine, security questions, sharing, smart devices, social media platforms, social networking, wellbeing



### Computing systems and networks: Collaborative learning

collaborate, comment, e-document, edit, email, icon, insert (file), link, presentation, presentation software, reply, reviewing comments, share, spreadsheet, transition

### Programming 1: Further coding with Scratch

computer code, code block, conditional statement, decompose, direction, feature, icon, orientation, position, program (verb), Scratch project, Scratch, Scratch script, sprite, Scratch stage, tinker, variable

### Creating media: Website design

collaboration, content, create, design, edit, embed, feature, header, hyperlinks, image, insert (file), online, plan, tab, web page, website, WWW (world wide web)

### Skills showcase: HTML

code (verb), content, copyright, CSS (cascading style sheet), fake news, hacker, hex code, HTML (hypertext markup language), internet browser, permission, script, URL (uniform resource locator), web page

### Programming 2: Computational thinking

abstraction, algorithm design, computer code, code block, computational thinking, computer, decompose, pattern recognition, problem, Scratch, Scratch script, sequence, variable

### Data handling: Investigating weather

algorithm, atmosphere, automated machine, calculate, climate, design, device, forecast, input, log data, online, predict, record, sensor, source, spreadsheet, units of measurement, weather, weather satellite

### Online safety

advertisement, alter, bot, fact, fake, gaming, implication, in-app purchases, influencer, judgement, live streaming, opinion, pop-ups, screen time, search engine, social media, snippet, sponsored



### Computing systems and networks: Search engines

algorithm, company logo, data leak, data privacy, fake news, inaccurate information, index, keywords (internet), network, online, page rank, search engine, web crawler, website, WWW (world wide web)

### Programming 1: Music

basic commands, block (Scratch), bug, computer code, code (verb), debug, error, live loop (Sonic Pi), loop, pitch, program language (Sonic Pi), rhythm, soundtrack, tempo, timbre, tinker

### Data handling: Mars Rover 1

binary code, data, data transmission, discovery, distance, input, Mars Rover, moon, numerical data, output, planet, radio signal, research, scientist, sequence, signal, computer simulation, space (astronomy)

### Programming 2: Micro:bit

.hex file, .zip file, bluetooth, code block, decompose, emulator, feature, loop, Micro:bit, pedometer, predict, program, systematic, tinker, USB universal serial bus), variable

### Creating media: Stop motion

animation, animator, background, decompose, duplicate, editing, flipbook, frame, illusion, onion skinning, stop motion, storyboard, thaumatrope, upload, zoetrope

### Skills showcase: Mars Rover 2

algorithm, binary image, bit, bit pattern, CAD (computer-aided design), compression file, CPU (central processing unit), data, digital image, encode, image, JPEG (joint photographic experts group), memory, operating system, pixels, RGB (red, green, blue)

### Online safety

anonymity, application, bill payer, bullying, communication, emoji, gif, hack, interpreted, judgement, meme, mental health, misinterpreted, passwords, permissions, private information, reliable, reputation, trusted adult, victim, wellbeing



### Computing systems and networks: Bletchley Park

acrostic code, brute force hacking, caesar cipher, chip and pin system, cipher, date shift cipher, encrypt, invention, Nth letter cipher, password, pigpen cipher, secure, technological advancement, trial and error

### Programming: Introduction to Python

algorithm, computer code, computer command, decompose, import (software), indentation (programming), loop, nested loop, random numbers, remix, script libraries, variable

### Data handling 1: Big data 1

barcode, boolean, brand, commuter, contactless, data, data privacy, encrypt, infrared waves, NFC (near field communication), QR (quick response) code, radio waves, RFID (radio frequency identification), signal systems or data analyst, transmission

### Creating media: History of computers

background noise, byte, computer, CPU, device, gigabyte, kilobyte, megabyte, memory storage, mouse, operating system (OS), radio play, ROM, sound effects, terabyte, touch screen, trackpad

### Data handling 2: Big data 2

big data, bluetooth, corrupt data, digital revolution, GPS (global positioning system), infrared waves, IoT (internet of things), QR code, RFID, SIM, smart city, smart school

### Skills showcase: Inventing a product

adapt, advertisement, algorithm, bug, CAD, computer code, code (verb), design, edit, electronic components, image rights, image, information, input, invention, loop, output, photo, product, program, repetition (code), screenshot, selection (programming), sequence, structure, variable

### Online safety

anonymity, anti-virus software, block, consent, digital footprint, digital personality, fake news, followers, gif, hack, inappropriate, malware, online bullying, online reputation, password, peer pressure, permission, phishing, privacy settings, report, scammers, screengrab, selfie, software updates, two-factor authentication, username, URL (Uniform Resource Locator)