**Computing Vocabulary**

**EYFS.**

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| 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 ne**

**Computing Vocabulary**

**Year 1.**

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| 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 ne**

**Computing Vocabulary**

**Year 2.**

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| 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 ne**

**Computing Vocabulary**

**Year 3.**

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| 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 database: |
| 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 ne**

**Computing Vocabulary**

**Year 4.**

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| 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 ne**

**Computing Vocabulary**

**Year 5.**

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| 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 ne**

**Computing Vocabulary**

**Year 6.**

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| 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) |