

Computing Systems and Networks

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>account, click, clipart, computer, drag, drag and drop, duplicate, fill, image, layers, left-click, log in, log off, mouse, password, predict, redo, resize, right click, screen (monitor), software, tool, username, undo</p>	<p>Unit 1: battery, buttons, camera, computer, desktop, device, digital content, digital recorder, electricity, input, invention, keyboard, laptop, monitor, mouse, output, photograph, robot, scanner, screen, system, tablet, technology, till, video, wire</p> <p>Unit 2: back button, backspace, bold, copy, copyright, cut, delete, forward button, highlight, image, import, italic, keyboard, keyboard shortcut, layout, navigate, paste, redo, search, space bar, text, text effects, touch typing, underline, undo, word processing</p>	<p>Unit 1: device, file, internet, network, network switch, packet data, router, server, the cloud, user, Wi-Fi, wired, wireless, wireless access point</p> <p>Unit 2: 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</p>	<p>Unit 1: animations, average, bar chart, collaboration, comment, 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</p>	<p>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</p>	<p>Unit 1: acrostic code, audio advert, brute force hacking, Caesar cipher, chip and PIN system, cipher, combination, date shift cipher, discovery, invention, Nth Letter Cipher, password, pigpen cipher, scrambled, script, secret, secure, technological advancement, trial and error</p> <p>Unit 2: AI, AI generated image, AI generated text, algorithm, applications, argument, authenticity, code, considerations, debate, ethical, fake, generate, HTML, image, implications, instructions, learn, modify, output, patterns, prompt,</p>

Computing Vocabulary Progression

		<p>digital citizen, scammer, settings, send, sign in, spam email, subject bar, theme, tone, username, virus, WiFi</p> <p>Unit 3: 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</p>			<p>rebuttal, replace, refine, response, task, trained and webpage.</p>
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Programming

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>Unit 1: algorithm, artificial intelligence, bug, chunks, code, computer, debug, decompose, device, directions, input, instructions, manageable, order, organise, output, program, problem, solution, specific, tasks, virtual assistant</p> <p>Unit 2: algorithm, Bee-Bot, code, debug, demonstration, explain, explore, filming, inputting, instructions, pause, precise, predict, program, review, test, tinker, video</p>	<p>Unit 1: abstraction, algorithm, artificial intelligence, bug, clear, correct, data, debug, decompose, error, key features, loop, predict, unnecessary</p> <p>Unit 2: algorithm, bug, debug, programming, sequence animation, blocks,, button, CGI, computer code, fluid, icon, imitate, instructions, loop, 'on tap', repeat, Scratch Jr , sound recording</p>	<p>algorithm, animation, application, code, code block, debug, decompose, game, interface, loop, predict, program, remixing code, repetition code, review, Scratch, sprite, tinker</p>	<p>Unit 1: code block, conditional statement, coordinates, decompose, feature, information, negative number, orientation, position, program, project, script, sprite, stage, tinker, variable</p> <p>Unit 2: abstraction, algorithm, algorithm design, computational thinking, debug, decomposition, effectiveness, evaluate, instructions, logical, pattern recognition, relevant, remixing, sequence, unplugged</p>	<p>Unit 1: adapt, basic command, beat, code, debugging, decompose, error, evaluate, genre, input, loop, music, nested loop, output, pitch, plan, predict, program, program language, repeat, remixing, rhythm, Scratch, soundtrack, soundtrack, tempo, tinker</p> <p>Unit 2: 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,</p>	<p>algorithm, code, command, design, import, indentation, input, instructions, loop, output, patterns, random, remix, repeat, shape</p>

Computing Vocabulary Progression

				sabotage, scoreboard, screen, systematic, tablet, tinkering, USB, variables, wifi, wireless, wires	
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Data Handling

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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	algorithm , astronaut, column, data, digital content, essential, experiment, Goldilocks zone, interactive map, International Space Station, input, monitor, row, satellite, sensor, space, spreadsheet, survival, temperature, thermometer.	categorise, category, chart, data, database, Excel, fields , filter, graph, information, interpret, PDF, questionnaire, record, representation, sort, spreadsheet	categorise, category, chart, data, database, Excel, fields , filter, graph, information, interpret, PDF, questionnaire, record, representation, sort, spreadsheet	8-bit binary, addition, ASCII, binary code, boolean, byte, CPU, data, data transmission, decimal numbers, discovery, distance, Hexadecimal, input, Mars Rover, the Moon, numerical data, output, planet, radio signal, RAM, scientist, sequence, signal, simulation, space, subtraction,	<p>Unit 1: algorithm, barcode, boolean, brand, chip, commuter, contactless, data, encrypt, infrared, proximity, QR code, QR scanner, radio waves, RFID, signal, spreadsheet, systems analyst, transmission, wireless</p> <p>Unit 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</p>

Computing Vocabulary Progression

Skills Showcase

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
annotate, cells, components, create, data, debug, designing, digital content, digital image, document, e-document, edit, editing software, editing program, evaluate, folder, graphics, input, instructions, log in, photo, program, order, robot, save, sequence, share, software, spreadsheet, table			code, content, copyright, CSS, end tag, fake news, hacker, heading, HTML, HTML tags, internet browser, paragraph, remixing, start tag, text, unplugged, URL, web page, web page elements	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	abstraction, adapt, advert, algorithm, bug, code, coding, debug, design, edit, electronic, evaluate, image rights, images, information, input, loop, output, photos, product, program, repetition, screenshot, selection, sequence, software, structure, variable, video, website

Creating Media

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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,	Animation, animator, background, digital device, drawing, flipbook, frames, moving images, opinion skinning, still images	application, camera angle, clip, edit, film editing software, graphics, import, key events, music, photo, plan, recording, sound effects, storyboard, time code, trailer, transition, video, voiceover	assessment, audience, collaboration, content, contribution, create, design, embed, evaluate, features, hyperlinks, images, insert, online, plan, progress, review, web page, website, World Wide Web	animation, animator, background, character, decomposition, design, edit, evaluate, flip book, fluid movement, frames, model, moving images, still images, storyboard, thaumatrope, zoetrope	

software, storage space, visual effects					
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Online Safety

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
app, appropriate, device, digital footprint, feelings, going online, in-person interactions, internet, kindness, offline activity, online activity, online experience, online interactions, online safety, personal information, pop-up, posting online, report, responsible digital citizen, screen time, sharing online, stranger, technology, trusted adult, unkind, website Key Vocab	accepting, consent, denying permission, fake, giving permission, offline, online, password, permission, personal information, pop-up, pressure, private information, real, reliable, sharing online, source, trusted adult	accurate, age restrictions, autocomplete, belief, charity, content, digital device, fact, fake news, hoax, internet, internet of things, opinion, online emotions, organisation, permission, privacy settings, reliable, search, search engine, share, smart devices, social media platforms	accuracy, ad, advantage, advertisement, belief, bot, computer, disadvantage, distraction, fact, hashtag, implications, in-app purchases, influencer, opinion, program, recommendation, reliable, risk, screen time, search results, snippets, sponsored, trustworthy	accurate, advice, app, application, app permissions, biography, bullying, communication, emojis, health, in-app purchases, information, judgement, meme, mental health, mindfulness, negative contribution, online, online communication, opinion, organisation, password, personal information, positive contribution, real world, strong password, summarise, support, trusted adult, well-being	anonymity, antivirus, biometrics, block, consent, digital footprint, digital personality, financial information, hacking, inappropriate, malware, online bullying, online reputation, password, personal information, phishing, privacy settings, private, reliable source, report, respect, scammers, screengrab, screenshot, secure, selfie, software updates, two-factor authentication, URL, username