EYFS Computing - Key Vocabulary

Unit 1 Computing systems and networks 1: Using a computer	Unit 2 Programming 1: All about instructions	Unit 3 Computing systems and networks 2: Exploring hardware	Unit 4 Programming 2: Programming Bee-Bots	Unit 5 Data handling: Introduction to data	Online Safety
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	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	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	algorithm, arrow, back, backwards, Bee-Bot, circle, debug, direction, directions, forward, instructions, left, program, right, route, sequence, straight on, turn	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	computer, safety, protecting personal details, files, password,

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Year 1 Computing - Key Vocabulary

Unit 1 Computing systems and networks: Improving mouse skills	Unit 2 Programming 1: Algorithms unplugged	Unit 3 Skills showcase: Rocket to the moon	Unit 4 Programming 2: Bee-Bots	Unit 5 Creating media: Digital imagery	Unit 6 Data handling: Introduction to data	Online Safety
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	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**	**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**	algorithm, **artificial intelligence**, **Bee-Bot**, clear, code, debug, **demonstration**, **filming**, inputting, instructions, **pause**, precise, **predict**, **program**, **tinker**, **video**, **video recording**	**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**	**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**	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**

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Year 2 Computing - Key Vocabulary

Unit 1 Computing systems and networks 1: What is a computer?	Unit 2 Programming 1: Algorithms and debugging	Unit 3 Computing systems and networks 2: Word processing	Unit 4 Programming 2: Scratch Jr	Unit 5 Creating media: Stop motion	Unit 6 Data handling: International space station	Online Safety
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	**abstraction,** algorithm, artificial intelligence, bug, clear, correct, data, debug, decompose, error, **key features, loop,** predict, **unnecessary**	**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**	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	**Animation, animator, background, digital device, drawing, flipbook, frames, moving images, opinion skinning, still images**	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**	**accept, comment, consent, content,** deny**, emojis, offline,** online, password, **permission,** personal information, **pop-ups, pressure,** private information, **reliable,** share, **terms and conditions, trusted adult**

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Year 3 Computing - Key Vocabulary

Unit 1 Computing systems and networks 1: Networks and the internet	Unit 2 Programming: Scratch	Unit 3 Computing systems and networks 2: Emailing	Unit 4 Computing systems and networks 3: Journey inside a computer	Unit 5 Creating media: Video trailers	Unit 6 Data handling: Comparison cards databases	Online Safety
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**	algorithm, animation, **application, code,** code block, **coding application,** debug, decompose, **interface,** game, loop, predict, program, remixing code, repetition code, review, **Scratch,** sprite, tinker	**attachment, bcc** (blind carbon copy) **cc** (carbon copy), **compose,** content, **cyberbullying, download, email, email account, email address, emoji,** emotions, **fake,** font, **genuine, hacker,** icons, **inbox, link, 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	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,, QR code, RAM (random access memory), ROM (read** only **memory), storage,** tablet device, technology, **touchscreen, touchpad**	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)	categorise, category**,** chart**,** data**,** database**, fields , filter,** graph**,** information**, interpret, PDF, questionnaire,** record**,** representation**,** sort**,** spreadsheet	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**

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Year 4 Computing - Key Vocabulary

Unit 1 Computing systems and networks: Collaborative learning	Unit 2 Programming 1: Further coding with Scratch	Unit 3 Creating media: Website design	Unit 4 Skills showcase: HTML	Unit 5 Programming 2: Computational thinking	Unit 6 Data handling: Investigating weather	Online Safety
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**, **transition**	**broadcast block**, code blocks, **conditional**, **coordinates**, decomposition, **features**, **game**, information, **negative numbers**, **orientation**, **parameters**, **position**, program, project, **script**, sprite, **stage**, tinker, **variables**	**assessment**, **audience**, collaboration, content, contribution, create, **design**, **embed**, evaluate, features, **hyperlinks**, images, insert, online, plan, **progress**, review, **web page**, website, World Wide Web, **checklist, Google Sites, hobby, homepage, published,** record, **style, subpage, tab,** theme	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**	abstraction, algorithm, code, **computational thinking**, decomposition, input, **logical reasoning**, output, **pattern recognition**, script, sequence, variable	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**	**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**

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Year 5 Computing - Key Vocabulary

Unit 1 Computing systems and networks: Search engines	Unit 2 Programming 1: Music	Unit 3 Data handling: Mars Rover 1	Unit 4 Programming 2: Micro:bit	Unit 5 Creating media: Stop motion	Unit 6 Skills showcase: Mars Rover 2	Online Safety
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	**beat, bugs, coding, command,** debug, decompose, error, instructions, loop, **melody, mindmap,** music, output, **performance, pitch, play,** predict, programming, **rhythm, tempo, timbre,** tinker, **tutorials,** typing, **buffer,** format, **live loops, rehearsal, repetition, sleep,** Sonic Pi, **soundtrack, spacing, typo**	**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**	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	animation, **animator,** background, **character,** decomposition, design, edit, evaluate, **flip book, fluid movement, frame, model,** moving images, **still image,** storyboard, **thaumatrope, zoetrope,** digital device, onion skinning, stop motion	**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**	**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, positive contributions,** private information, **real world, strong password, summarise, support,** trusted adult, wellbeing

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Year 6 Computing - Key Vocabulary

Unit 1 Computing systems and networks: Bletchley Park	Unit 2 Programming: Introduction to Python	Unit 3 Data handling 1: Big data 1	Unit 4 Creating media: History of computers	Unit 5 Data handling 2: Big data 2	Unit 6 Skills showcase: Inventing a product	Online Safety
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**	algorithm, code, command**,** design, import**,** **indentation,** input**,** instructions, loop**,** output**,** patterns**,** **random, remix,** repeat**, shape**	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	**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	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	**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	**anonymity**, **antivirus**, **biometrics**, **block and report**, consent, copy, digital footprint **digital personality**, **financial information**, hacking, inappropriate, **malware**, online reputation, **personality**, **phishing**, privacy settings, private, **reliable source**, report, **reputation**, respect, **scammers**, **screengrab**, secure, settings, **software updates**, **two factor authenication**, URL, username

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