Computing Vocabulary Progression

	Term and Topic	Vocabulary
EYFS	**0-3**	**Using a computer:** click, computer, computer safety **All about instructions/ Programming Bee-Bots:** bend down, blindfold, describe, duck, first, follow, give, hop, instructions, last, next, order, run, second, shuffle, skip, stand still, step over, stop, straight on, tiptoe, timer, turn, under, walk around **Exploring hardware:** batteries, behind, buttons, camera, capture, clear, lick, computer, digital camera, dial, digital clock, electricity, electric toothbrush, gallery, image, iPad, keyboard, keys, larger, lens, mobile phones, off, on, on top of, open, photograph, photographer, picture, point, power, pull, push, smaller, speaker, tablets, technology **Introduction to data:** altogether, colour, count, data, describe, in total, length, less, more, size
	3-4	**Using a computer:** arrow, keyboard, letters, computer safety **All about instructions/ Programming Bee-Bots:** debug, left, predict, prediction, right, sequence, two-part instructions **Exploring hardware:** blurred, blurry, capture, clear, lick, computer, memory, still, system fan, walkie-talkies, record, remote control, shoot, shut **Introduction to data:** bigger than, collect, column, pattern, smaller than, sort,
	Reception	**Using a computer:** cursor, drag, drop, left click, lock, log in, log out, lowercase, monitor, mouse, mouse control, move, numbers, paint, password, personal, protect, right click, secure, security, stamp, type, uppercase, computer safety **All about instructions/ Programming Bee-Bots:** adjective, algorithm, left, predict, prediction, right, sequence, third, two-part instructions **Exploring hardware:** computer tower, crisp, hard-drive, monitor, motherboard, mouse, tinker, twist, under, USB stick **Introduction to data:** branch database, categorise, category, divide, equal, graph, group, height, least popular, most popular, pictogram, record, row, share, square, texture, thicker than, thinner than, weight

Computing Vocabulary Progression

Year 1	**Autumn**	**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:** 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
	Spring	**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
	Summer	**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 Horizon Academy Trust Progression of Vocabulary – Computing **Data handling: Introduction to data:** branching database, categorise, chart, computer, data, information, label, pictogram, record, sort, table

Computing Vocabulary Progression

Year 2	**Autumn**	**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:** 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
	Spring	**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
	Summer	**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

Computing Vocabulary Progression

Year 3	**Autumn**	**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 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, decomposition, interface, loop, predict, program, remixing code, repetition code, review, Scratch, sprite, tinker
	Spring	**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
	Summer	**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

Computing Vocabulary Progression

Year 4	**Autumn**	**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: 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
	Spring	**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
	Summer	**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

Computing Vocabulary Progression

Year 5	**Autumn**	**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: 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
	Spring	**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) **Computing Programming 2: Microbit:** .hex file, .zip file, bluetooth, code block, decompose, emulator, feature, loop, Micro:bit, pedometer, predict, program, systematic, tinker, USB universal serial bus), variable
	Summer	**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)

Computing Vocabulary Progression

Year 6	**Autumn**	**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) **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
	Spring	**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
	Summer	**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