

# St Alban's C of E Academy

## Vocabulary Progression



	Getting Started	Programming Bee-Bot	Algorithms Unplugged	Digital Imagery	Introduction to Data	Rocket to the Moon
Year 1	account, clipart, computer, log on, log off, mouse, password, resize, screen (monitor), software, tool, username	algorithm, Bee-Bot, computing code, computer program, explain, explore, instructions, predict, tinker, video	algorithm, bug, computer, debug, decompose, device, input, instructions, output, solution	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	branching database, categorise, chart, computer, data, information, label, pictogram, record, sort, table, text	computer, computer program, create, data, digital content, e-document, folder, list, save, sequence, share, spreadsheet
	What is a computer?	Word Processing	Programming: Scratch Jr	Algorithms and Debugging	International Space Station	Stop Motion
Year 2	battery, buttons, computer, desktop, device, electricity, input, invention, keyboard, laptop, screen (monitor), mouse, output, technology, wires	backspace, bold, copy, copyright, cut, delete, highlight, image, import, italics, keyboard, keyboard character, paste, redo, space bar, touch typing, underline, undo, word processing	algorithm, animation, bug, computer code, code (verb), debug, icon, immitate, instructions, loop, repeat, Scratch JR, sequence	abstraction, algorithm, artificial intelligence, bug, correct, data, debug, decompose, error, key features, loop, predict, unnecessary	approximate, astronaut, data, digital content, experiment, interactive map, International space station (I.S.S), interpret, laboratory, monitor (verb), satellite, sensor, space, survival, thermometer	animation, animator, contraption, decompose, design, device, download, film review, filming, import image, plan, sketch, software, stop motion, storyboard, upload

	<p>Emailing</p>	<p>Programming: Scratch</p>	<p>Journey Inside a Computer</p>	<p>Networks and the Internet</p>	<p>Digital Literacy</p>	<p>Top Trumps Database</p>
<p>Year 3</p>	<p>account, attachment (file), BCC, CC, computer, cyberbully, cyberbullying, domain, email, email account, emoji, information, log off, log on, password, spam, username</p>	<p>animation, application, code, code block, debug, decompose, interface, loop, predict, program, remixing code, repetition code, review, Scratch, sprite, tinker</p>	<p>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</p>	<p>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</p>	<p>application, desktop, digital device, edit, film, film editing software, graphics, import (software), key events, laptop, music, photo, plan, recording (electronic), sound effects, time code, video, voiceover</p>	<p>categorise, data, database, fields (data), filter (data), graphs and charts, information, record, sort, spreadsheet</p>
	<p>Investigating Weather</p>	<p>Further Coding with Scratch</p>	<p>Website Design</p>	<p>HTML</p>	<p>Collaborative Learning</p>	<p>Computational Thinking</p>
<p>Year 4</p>	<p>algorithm, atmosphere, automated machine, calculate, climate, design, device, forecast, input, log data, online, predict, record, sensor, source, spreadsheet, units of measurement, weather, weather satellite</p>	<p>computer code, code block, conditional statement, decompose, direction, feature, icon, orientation, position, program (verb), Scratch project, Scratch, Scratch script, sprite, Scratch stage, tinker, variable</p>	<p>collaboration, content, create, design, edit, embed, feature, header, hyperlinks, image, insert (file), online, plan, tab, web page, website, WWW (world wide web)</p>	<p>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</p>	<p>collaborate, comment, e-document, edit, email, icon, insert (file), link, presentation, presentation software, reply, reviewing comments, share, spreadsheet, transition</p>	<p>abstraction, algorithm design, computer code, code block, computational thinking, computer, decompose, pattern recognition, problem, Scratch, Scratch script, sequence, variable</p>

	Online Safety	Micro:bit	Sonic Pi	Search Engines	Mars Rover 1	Mars Rover 2
Year 5	catfishing, cyberbully, cybercriminal, cyberstalking, exclusion, fake profile, harassment, information, online, outing, online safety, password, personal information/data, phishing, trickery, trolling	.hex file, .zip file, bluetooth, code block, decompose, emulator, feature, loop, Micro:bit, pedometer, predict, program, systematic, tinker, USB universal serial bus), variable	basic commands, bug, computer code, code (verb), debug, error, live loop, loop, pitch, program language, rhythm, Sonic Pi, soundtrack, tempo, timbre, tinker	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)	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)	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)
	Introduction to Python	Big Data 1	Big Data 2	Bletchley Park 1	Bletchley Park 2	Skills Showcase
Year 6	algorithm, computer code, computer command, decompose, import (software), indentation (programming), loop, nested loop, random numbers, remix, script libraries, variable	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	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	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	background noise, byte, computer, CPU, device, gigabyte, kilobyte, megabyte, memory storage, mouse, operating system (OS), radio play, ROM, sound effects, terabyte, touch screen, trackpad	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

