

## Progression in Vocabulary – IT & Computing

Year 1 Vocabulary					
Improving Mouse Skills Login, Navigate & Mouse Skills	Programming: Bee-Bot Programming Functions & Capabilities	Algorithms Unplugged Algorithms in Real Life	Digital Imagery Photo Capture & Editing	Introduction to Data Gathering & Recording Animal Data	Rocket to the Moon Keyboard Skills, Sequencing & Debugging in a Rocket Project
Log in Login Log out / off Mouse Mouse pointer Click Keyboard Screen Password Account Software Duplicate Ctrl Tools Right click Menu Layers Username Drag Drag and drop Digital photograph Undo Cursor	Algorithm Artificial intelligence Bee-Bot Clear Code Debug Demonstration Filming Inputting Instructions Pause Precise Predict Program Tinker Video Video recording	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	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	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

Year 2 Vocabulary					
What is a Computer? Inputs/Outputs & Uses	Word Processing Touch Typing & Staying Safe Online	Programming: Scratch JR Programming Apps	Algorithms & Debugging Programming: Plugged-In & Unplugged	International Space Station Data Collection, Display & Interpretation	Stop Motion: Storyboarding then Creating Simple Animations
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	Backspace Bold Copy Copyright Cut Delete Forward button Highlight Home row Home screen Image Import Italics Keyboard Keyboard character Keyboard shortcut 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 Debug Fluid Icon Imitate Instructions Loop 'On tap' Programming Repeat Scratch JR Sequence Sound recording	Abstraction Algorithm Artificial intelligence Bug Clear Correct Data Debug Decompose Error Key features Loop Predict Unnecessary	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	Animation Background Decompose Digital device Drawing Flipbook Frames Moving images Object Onion skinning Plan Still Images

Year 3 Vocabulary					
Emailing with Attachments and Cyberbullying	Programming: Programming Apps	Journey Inside a Computer Inputs/outputs & Purpose	Networks and the Internet Sharing information and the Internet	Video Trailers Digital Literacy Creating Book Trailers	Top Trumps Comparison Cards Databases Understanding & Using Database
Attachment	Algorithm	Algorithm	Cables	Application	Categorise
Bcc (Blind carbon copy)	Animation	Assemble	Component	Camera angle	Category
Cc (Carbon copy)	Application	CPU (central processing unit)	Connection	Clip	Chart
Compose	Code	Data	Corrupted	Cross blur	Data
Content	Code block	Decompose	Data	Cross fade	Database
Cyberbullying	Coding application	Desktop	Desktop	Cross zoom	Excel
Document	Debug	Disassemble	Device	Desktop	Fields
Domain	Decompose	GPU (graphics processing unit)	DSL	Digital device	Filter
Download	Interface	Hard drive	Fibre	Dip to black	Graph
Email	Game	HDD (hard disk drive)	File	Directional wipe	Information
Email account	Loop	Infinite loop	Internet	Edit	Interpret
Email address	Predict	Input	Laptop	Film	PDF
Emoji	Program	Keyboard	Network	Film editing software	Questionnaire
Emotions	Remixing code	Laptop	Network map	Graphics	Record
Fake	Repetition code	Memory	Network switch	Import	Representation
Font	Review	Microphone	Packets	Key events	Sort
Genuine	Scratch	Monitor	Radio waves	Laptop	Spreadsheet
Hacker	Sprite	Mouse	Router	Music	
Icons	Tinker	Output	Server	Photo	
Inbox		Photocopier	Submarine cables	Plan	
Link		Program	Tablet	Recording	
Negative language		QR Code	Text map	Sound effects	
Password		RAM (random access memory)	The Cloud	Storyboard	
Personal information		ROM (read only memory)	Web server	Time code	
Positive language		Storage	Website	Trailer	
Responsible digital citizen		Tablet device	Website trackers	Transition	
Scammer		Technology	WiFi	Video	
Settings		Touchscreen	Wired	Voiceover	
Send		Touchpad	Wireless		
Sign in			Wireless Access Points		
Spam email			World Wide Web		
Subject bar					
Theme					
Tone					
Username					
Virus					

Year 4 Vocabulary					
Investigating Weather Researching and Storing Data and Green Screen Video	Website Design Website Creation and Google Sites	Collaborative Learning Google Docs, Slides, Form and Sheet	HTML Editing the HTML and CSS of a Web Page	Programming Further programming with Scratch	Computational Thinking Plugged and Unplugged Activities to Develop the Four Areas of Computational Thinking
Accurate Backdrop Chroma key Climate zone Cold Collaboration Condensation Cylinder Degrees Evaporation Extreme weather Forecast Green screen Heat sensor Lightning Measurement Pinwheel Rain Satellite Sensitive Sensor data Solar panel Temperature Thermometer Tornado Warm Weather Weather forecast Wind	Assessment Audience Checklist Collaboration Content Contribution Create Design Embed Evaluate Features Google Sites Hobby Homepage Hyperlinks Images Insert Online Plan Progress Published Record Review Style Subpage Tab Theme Web page Website World Wide Web	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	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	Broadcast block Code blocks Conditional Coordinates Decomposition Features Game Information Negative numbers Orientation Parameters Position Program Project Script Sprite Stage Tinker Variables	Abstraction Algorithm Code Computational thinking Decomposition Input Logical reasoning Output Pattern recognition Script Sequence Variable

Year 5 Vocabulary					
Online Safety: Keeping Safe Online	Online Safety: Keeping Safe Online	Mars Rover 1 Data Transfer and Binary Code	Mars Rover 2 3D Design Skills	Music Programming Apps Sonic Pi	Micro:bit The Meaning and Purpose of Programming
Accurate information	Algorithm	8-bit binary	3D	Beat	Algorithm
Advice	Appropriate	Addition	Algorithm	Bugs	Animation
App permissions	Copyright	ASCII	Binary image	Coding	App
Application	Correct	Binary code	CAD	Command	Blocks
Apps	Credit	Boolean	Compression	Debug	Bluetooth
Bullying	Data leak	Byte	CPU	Decompose	Code block
Communication	Deceive	Communicate	Data	Error	Connection
Emojis	Fair	Construction	Drag and drop	Instructions	Create
Health	Fake	CPU	Fetch, decode, execute	Loop	Debug
In-app purchases	Inappropriate	Data transmission	ID card	Melody	Decompose
Information	Incorrect	Decimal numbers	Input	Mindmap	Designing
Judgement	Index	Design	JPEG	Music	Desktop
Memes	Information	Discovery	Memory	Output	Device
Mental health	Keywords	Distance	Online community	Performance	Download
Mindfulness	Network	Hexadecimal	Operating system	Pitch	Images
Mini-biography	Privacy	Input	Output	Plan	Input
Online communication	Rank	Instructions	Pixels	Play	Instructions
Opinion	Real	Internet	RAM	Predict	Load
Organisation	Search engine	Mars Rover	Responsible	Programming	Loop
Password	TASK	Moon	RGB	Repeat	Micro:bit
Personal information	Web crawler	Numerical data	ROM	Rhythm	Outputs
Positive contributions	Website	Output	Safe	Scratch	Pairing
Private information		Planet		Soundtrack	Pedometer
Real world		Radio signal		Spacing	Polling
Strong password		RAM		Tempo	Predict
Summarise		Research		Timbre	Program
Support		Scientist		Tinker	Repetition
Technology		Sequence		Tutorials	Reset
Trusted adult		Signal		Typing	Sabotage
Wellbeing		Simulation			Scoreboard
		Space			Screen
		Subtraction			Systematic
		Technology			Tablet
		Transmit			Tinkering
					USB
					Variables
					Wireless

Year 6 Vocabulary					
Intro to Python Using the Programming Language of Python	Big Data 1 Barcodes, QR Codes and RFID	Big Data 2 Data Usage and Smart Schools	Bletchley Park 1 Code Breaking and Password Hacking	Bletchley Park 2 WWII and the First Computers	Skills Showcase Designing and Promoting a New Product
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	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	crostic 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	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	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