

Key Vocabulary for Computing

	Autumn	Spring	Summer
Year 1	Autumn 1: Digital Literacy & Information Technology Unit Title: Technology Around Us - Paintz.app (Computing Systems and Networks) technology, computer, mouse, trackpad, keyboard, screen, double-click, typing.	Spring 1: Computer Science Unit Title : Moving A Robot -Floor Robot (Programming A) Bee-Bot, forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, route, plan, algorithm, program.	Summer 1: Digital Literacy & Information Technology Unit Title : Digital Writing - Google Docs (Creating Media) word processor, keyboard, keys, letters, type, numbers, space, backspace, text cursor, capital letters, toolbar, bold, italic, underline, mouse, select, font, undo, redo, format, compare, typing, writing.
	Autumn 2 – Digital Literacy and Information Technology Unit Title: Digital Painting Paintz.app (Creating Media) paint program, tool, paintbrush, erase, fill, undo, shape tools, line tool, fill tool, undo tool, colour, brush style, brush size, pictures, painting, computers	Spring 2- Digital Literacy and Information Technology Unit Title: Grouping Data (Data & Information) object, label, group, search, image, property, colour, size, shape, value, data set, more, less, most, fewest, least, the same	Summer 2 – Computer Science Unit Title : Programming Animations ScratchJr (Programming B) Scratch Jr, command, sprite, compare, programming, area, block, joining, start, run, program, background, delete, reset, algorithm, predict, effect, change, value, instructions, design.
Year 2	Autumn 1- Digital Literacy and Information Technology Unit Title: IT Around Us (Computer Systems and Networks) Information technology (IT), computer, barcode, scanner/scan	Spring 1- Computer Science Unit Title : Robot Algorithms - Floor Robot (Programming A) instruction, sequence, clear, unambiguous, algorithm, program, order, prediction, artwork, design, route, mat, debugging, decomposition	Summer 1 – Digital Literacy and Information Technology Unit Title : Digital Music (Creating Media) music, quiet, loud, feelings, emotions, pattern, rhythm, pulse, pitch, tempo, rhythm, notes, create, emotion, beat, instrument, open, edit.

	<u>Autumn 2 –Digital Literacy and Information Technology</u> <u>Unit Title: Digital Photography (Creating Media)</u> device, camera, photograph, capture, image, digital, landscape, portrait, framing, subject, compose, light sources, flash, focus, background, editing, filter, format, framing, lighting,	<u>Spring 2- Digital Literacy and Information Technology</u> <u>Unit Title: Pictograms (Data and Information)</u> more than, less than, most, least, common, popular, organise, data, object, tally chart, votes, total, pictogram, enter, data, compare, objects, count, explain, attribute, group, same, different, conclusion, block diagram, sharing	<u>Summer 2- Computer Science – ScratchJr</u> <u>Unit Title :Programming Quizzes (Programming B)</u> sequence, command, program, run, start, outcome, predict, blocks, design, actions, sprite, project, modify, change, algorithm, build, match, compare, debug, features, evaluate, decomposition, code.
Year 3	<u>Autumn 1- Digital Literacy and Information Technology</u> <u>Unit Title: Computing Systems and Networks: Connecting Computers</u> digital device, input, process, output, program, digital, non-digital, connection, network, switch, server, wireless access point, cables, sockets	<u>Spring 1- Computer Science</u> <u>Unit Title : Programming A: Sequencing Sounds Scratch</u> Scratch, programming, blocks, commands, code, sprite, costume, stage, backdrop, motion, turn, point in direction, go to, glide, sequence, event, task, design, run the code, order, note, chord, algorithm, bug, debug, code.	<u>Summer 1- Digital Literacy and Information Technology</u> <u>Unit Title : Creating Media: Desktop Publishing Adobe Spark</u> text, images, advantages, disadvantages, communicate, font, style, landscape, portrait, orientation, placeholder, template, layout, content, desktop publishing, copy, paste, purpose, benefits.
	<u>Autumn 2- Digital Literacy and Information Technology</u> <u>Unit Title: Creating Media: Stop-Frame Animation</u> animation, flip book, stopframe, frame, sequence, image, photograph, setting, character, events, onion skinning, consistency, evaluation, delete, media, import, transition.	<u>Spring 2- Digital Literacy and Information Technology</u> <u>Unit Title: Data and Information: Branching Databases - J2E</u> attribute, value, questions, table, objects, branching, database, equal, even, separate, structure, compare, order, organise, selecting, information, decision tree.	<u>Summer 2- Computer Science - Scratch</u> <u>Unit Title : Programming B: Events and Actions in Programs</u> motion, event, sprite, algorithm, logic, move, resize, extension block, pen up, set up, pen, design, action, debugging, errors, setup, code, test, debug, actions.
Year 4	<u>Autumn 1- Digital Literacy and Information Technology</u> <u>Unit Title: Computing Systems and Networks: The Internet</u> internet, network, router, security, switch, server, wireless access point (WAP), website, web page, web address, routing, web browser, World Wide Web, content, links, files, use, download, sharing, ownership, permission, information, accurate, honest, content, adverts	<u>Spring 1- Computer Science</u> <u>Unit Title : Programming A: Repetition in Shapes Logo</u> Logo (programming environment), program, turtle, commands, code snippet, algorithm, design, debug, pattern, repeat, repetition, count-controlled loop, value, trace, decompose, procedure.	<u>Summer 1- Digital Literacy and Information Technology</u> <u>Unit Title : Creating Media: Photo Editing Paint.net</u> image, edit, digital, crop, rotate, save, adjustments, effects, colours, hue, saturation, sepia, vignette, retouch, clone, select, combine, made up, real, composite, cut, copy, paste, alter, background, foreground, zoom, undo, font

	<u>Autumn 2- Digital Literacy and Information Technology</u> <u>Unit Title: Creating Media: Audio Production</u> <u>Audacity</u> audio, microphone, speaker, headphones, input device, output device, sound, podcast, edit, trim, align, layer, import, record, playback, selection, load, save, export, MP3, evaluate, feedback.	<u>Spring 2- Digital Literacy and Information Technology</u> <u>Unit Title: Data and Information: Data Logging</u> data, table, layout, input device, sensor, logger, logging, data point, interval, analyse, dataset, import, export, logged, collection, review, conclusion.	<u>Summer 2- Computer Science</u> <u>Unit Title : Programming B: Repetition in Games</u> <u>Scratch</u> Scratch, programming, sprite, blocks, code, loop, repeat, value, infinite loop, count-controlled loop, costume, repetition, forever, animate, event block, duplicate, modify, design, algorithm, debug, refine, evaluate.
Year 5	<u>Autumn 1- Digital Literacy and Information Technology</u> <u>Unit Title: Computing Systems and Networks: Systems and Searching - Google Slides</u> system, connection, digital, input, process, storage, output, search, search engine, refine, index, bot, ordering, links, algorithm, search engine optimisation (SEO), web crawler, content creator, selection, ranking.	<u>Spring 1- Computer Science</u> <u>Unit Title : Programming A: Selection in Physical Computing -Crumble Controller and Software</u> Micro:bit, crumble controller, input, output, physical computing, condition, selection, algorithm, program, connected device, switch, sensor, variable, sequence, debug, predict, flowchart, control, component, motor, LED.	<u>Summer 1- Digital Literacy and Information Technology</u> <u>Unit Title : Creating Media: Introduction to Vector Graphics - Google Drawings</u> vector, drawing tools, object, toolbar, vector drawing, move, resize, colour, rotate, duplicate/copy, zoom, select, align, modify, layers, order, copy, paste, group, ungroup, reuse, reflection
	<u>Autumn 2- Digital Literacy and Information Technology</u> <u>Unit Title: Creating Media: Video Production</u> video, audio, camera, talking head, panning, close up, video camera, microphone, lens, mid-range, long shot, moving subject, side by side, angle (high, low, normal), static, zoom, pan, tilt, storyboard, filming, review, import, split, trim, clip, edit, reshoot, delete, reorder, export, evaluate, share.	<u>Spring 2- Digital Literacy and Information Technology</u> <u>Unit Title: Data and Information: Flat-file Databases - J2E</u> database, data, information, record, field, sort, order, group, search, value, criteria, graph, chart, axis, compare, filter, presentation, query, search criteria.	<u>Summer 2- Computer Science</u> <u>Unit Title: Programming B: Selection in Quizzes.</u> <u>Scratch</u> Selection, condition, true, false, count-controlled loop, outcomes, conditional statement, algorithm, program, debug, question, answer, task, design, input, implement, test, run, setup, operator
Year 6	<u>Autumn 1- Digital Literacy & Information Technology</u> <u>Unit Title Computing Systems and Networks: Communication and Collaboration</u> communication, protocol, data, address, Internet Protocol (IP), Domain Name Server (DNS), packet, header, data payload, chat,	<u>Spring 1- Computer Science</u> <u>Unit Title: Programming A: Variables in Games.</u> <u>Scratch</u> variable, change, name, value, set, design, event, algorithm, task, artwork, program, project, code, test, debug, improve, evaluate,	<u>Summer 1- Digital Literacy & Information Technology</u> <u>Unit Title : Creating Media: 3D Modelling Tinkercard online</u> TinkerCAD, 2D, 3D, shapes, select, move, perspective, view, handles, resize, lift, lower, recolour, rotate, duplicate, group, cylinder, cube, cuboid, sphere, cone, prism, pyramid, placeholder,

	explore, slide deck, reuse, remix, collaboration, internet, public, private, oneway, two-way, one-to-one, one-to-many, collaboration, shared workspace, version history, cloud storage.	share, assign, declare, score, timer, counter, variable block.	hollow, choose, combine, construct, evaluate, modify.
	<u>Autumn 2- Digital Literacy and Information Technology</u> <u>Unit Title: Creating Media: Web Page Creation</u> <u>Google Slides</u> website, web page, browser, media, Hypertext Markup Language (HTML), logo, layout, header, media, purpose, copyright, fair use, home page, preview, evaluate, device, Google Sites, breadcrumb trail, navigation, hyperlink, subpage, evaluate, implication, external link, embed, accessibility, audience, user experience, design criteria.	<u>Spring 2- Digital Literacy and Information Technology</u> <u>Unit Title: Data and Information: Introduction to Spreadsheets - Google Sheets</u> data, collecting, table, structure, spreadsheet, cell, cell reference, data item, format, formula, calculation, spreadsheet, input, output, operation, range, duplicate, sigma, propose, question, data set, organised, chart, evaluate, results, sum, comparison, software, tools.	<u>Summer 2- Computer Science</u> <u>Unit Title : Programming B: Sensing Movement</u> <u>Micro:bit Controller and MakeCode</u> Micro:bit, MakeCode, input, process, output, flashing, USB, trace, selection, condition, if then else, variable, random, sensing, accelerometer, value, compass, direction, navigation, design, task, algorithm, step counter, plan, create, code, test, debug.