Birches First School

Believe, Grow, Succeed

to be the best ‘me’ I can be

**Computing Vocabulary Progression**

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| **Year 1** | **Coding**Action, algorithm, background, code, command, debug/ debugging, event, execute, input, instructions, object, output, properties, run, scale, when clicked, sound, scene | **Online Safety and Exploring Purple Mash**Log in, username, password, log out, my work, avatar, notification, topics, tools, save,  | **Spreadsheets**Arrow keys, backspace key, cursor, columns, cells, clipart, count tool, delete key, image toolbox, move cell tool, lock tool, rows, speak tool, spreadsheet | **Lego Builders**Instruction, algorithm, computer, program, debug | **Grouping and Sorting**Sort, group, criteria | **Animated Story Books**Animation, e-book, font, file, sound effect, display board | **Pictograms**Pictogram, data, collate | **Maze Explorers**Direction, challenge, arrow, undo, rewind, forward, backwards, right turn, left turn, debug, instruction, algorithm | **Technology Outside School**Technology  |
| **Year 2** | **Coding**Action, algorithm background, button, collision, detection, debug, debugging, design mode, event, key pressed, nesting, object, predict, run, scale, sound, scene, properties, when clicked/ swiped, sequence, text, test, timer | **Online Safety**Search, display board, internet, sharing, email, attachment, digital footprint | **Spreadsheets**Backspace key, copy and paste, columns, cells, count tool, delete key, equals tool, imagine toolbox, lock tool, move cell tool, rows, speak tool, spreadsheet | **Questioning**Pictogram, question, data, collate, binary tree, avatar, database | **Effective Searching**Internet, search, search engine | **Creating Pictures**Impressionism, pointillism, share, palette, surrealism, template | **Making Music**Bpm, composition, digitally, instrument, music, sound effects (sfx), soundtrack, tempo, volume | **Presenting Ideas**Concept map, quiz, presentation, node, animated, non-fiction, narrative, audience |  |
| **Year 3** | **Coding**Action, algorithm, background, alert, blocks of command, button, collision detection, debug, debugging, command, event, develop, execute, flowchart, nesting, object, output, plan, predict, procedure, repeat, properties, timer, sequence, sound, values, scene, test | **Online Safety**Password, internet, blog, concept map, username, website, webpage, spoof website, PEGI rating | **Spreadsheets**Greater than, less than, equal to, advance mode, copy and paste, columns, cells, delete key, equals tool, spin tool, move cell tool, rows, spreadsheet | **Touch Typing**Posture, top row keys, home row keys, bottom row keys, space bar | **Email**Communication, email, compose, send, CC, attachment, formatting, report to the teacher, password, address book, save to draft | **Branching Databases**Branching database, data, database, question | **Simulations**Simulation  | **Presenting with Microsoft Powerpoint/ Google Slides**Animation, audio, design templates, entrance animation, font, media, presentation, presentation program, slide, slideshow, stock image, text box, text formatting, transition  | **Graphing**Graph, field, data, bar chart, block graph, line graph |
| **Year 4** | **Coding**Action, alert, background, button, code block, command, debug, debugging, execute, co-ordinates, flowchart, if, else, nesting, predict, number variable, object types, prompt, repeat, selection, prompt for input, repeat until, timer, variable, variable value, properties | **Online Safety**Computer virus, cookies, copyright, digital footprint, email, identity theft, malware, phishing, plagiarism, spam  | **Micro:bits**Accelerometer, Light sensor, Simulation, Data, Logic, Variable, Selection, Gestures, Infinite loop, Sensor | **Writing for Different Audiences**Font, bold, italic, underline | **Effective Searching**Easter egg, internet, internet browser, search, website, search engine, spoof website | **Animation**Animation, background, frame, flipbook, onion skinning, stop motion, play, sound, video clip,  | **Making Music**Pitch, rhythm, pulse, tempo, dynamics, melody, rippler, house music, texture | **Hardware Investigators**Motherboard, CPU, RAM, graphics card, network card, monitor, speakers, keyboard and mouse | **Logo**Logo, BK, FD, RT, LT, repeat, SETPC, SETPS, PU, PD | **Artificial Intelligence**Algorithm,Artificial Intelligence (AI),Data |