

	Teach Computing Cycle					
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Computer Science	<p><u>(Networks)</u> Computer, mouse, trackpad, keyboard, screen, technology, double -click, typing.</p> <p><u>(Programming A)</u> Forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, plan, algorithms, program, route</p> <p><u>(Programming B)</u> Commands, move, forwards, backwards, left, right, sprite, algorithms</p>	<p><u>(Networks)</u> Information technology, computer, barcode, scanner, scan</p> <p><u>(Programming A)</u> Forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, turn, plan, algorithm, program, route</p>	<p><u>(Networks)</u> network, data, server, wireless access points, network switch, router, input, process, output, wifi, bluetooth.</p> <p><u>(Programming A)</u> Debug, sequence, decompose, selection, variables, output, algorithm, programs, code, block-based coding, scratch, sprite, staging area, code black, run, event block, control block</p> <p><u>(Programming B)</u> Sequence, sprite, event, action, program, pen, stage, algorithms, selection, repetition, code, debug, output.</p>	<p><u>(Networks)</u> Network, data, World Wide Web, Internet, web page, website, content, media, copyright.</p> <p><u>(Programming B)</u> Scratch, programming, sprite, blocks, code, loop, repeat, value, infinite loop, costume, repetition, forever, animate, event block, duplicate, modify, design, algorithm, debug, refine, evaluate.</p> <p><u>(Data and Information)</u> Data, table, layout, input, device, sensor, logger, logging, data point, interval, analyse, dataset, import, export, logged, collection, review, conclusion</p>	<p><u>(Networks)</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.</p> <p><u>(Programming A)</u> Microcontroller, USB, components, connection, infinite loop, output component, motor, repetition, count-controlled loop, crumble controller, switch, LED, sparkle, crocodile clips, connect, battery box, program, condition, input, output, selection, action, debug, circuit, power, cell, buzzer</p>	<p><u>(Networks)</u> Address, bar, search box, World Wide Web, search engine, web crawler, page rank, ranking, communication, search terms.</p> <p><u>(Programming A)</u> Sequence, selection, repetition, variable, program, algorithm, string, outcome, abstraction</p>
Information Technology	<p><u>(Digital Painting)</u> Paint program, tool, paintbrush, erase, fill, undo, Piet Mondrian, primary colours, shape tools, line tools, fill tool, undo tool, Henri</p>	<p><u>(Pictograms)</u> More than, less than, most, least, organise, data, object, tally chart, votes, total, pictogram, enter, data, compare, count, tally, more common, less common,</p>	<p><u>(Stop frame animations)</u> Animation, flip book, stop-frame, frame, sequence, image, photograph, setting, character, events, onion skinning, consistency,</p>	<p><u>(Audio Production)</u> Audio, microphone, speaker, headphones, input device, output device, sound, podcast, edit, trim, align, record, playback, edit, selection, layer, load, import,</p>	<p><u>(Video Production)</u> Video, production, editing techniques, visual media format, camera angles, microphone, filming techniques,</p>	<p><u>(Introduction to spreadsheets)</u> Format, data Spreadsheet, structure cell references, data items, formatting cells,</p>

	<p>Matisse, Wassily Kandinsky, feelings, colour, brush style, Georges Seurat, pointillism, brush size.</p> <p>(Digital Writing) Capital letters, toolbar, bold, italic, underline, keyboard, shift, undo, mouse, select, font, text cursor, word processor, letter type, redo, format, drag</p>	<p>attribute, same, most popular, least popular, conclusion, sharing.</p> <p>(Photography)</p> <p>Device, camera, photograph, capture, image, digital, landscape, portrait, framing, subject, compose, light sources, flash, focus, background, editing, filter, format</p>	<p>evaluation, delete, media, import, transition.</p>	<p>save, export, MP3, evaluate, feedback</p> <p>(Photo Editing)</p> <p>Image, edit, digital, crop, rotate, undo, save, adjustments, effects, colours, hue, saturation, sepia, vignette, image, retouch, clone, select, combine, made up, real, composite, cut, copy, paste, alter, background, foreground, zoom, undo, font.</p>	<p>storyboard, video editing software, store, retrieve, export, reshooting, tools</p>	<p>data set, formulas, changing inputs, calculation, outputs</p> <p>(Webpage creation) Website, web page, browser, media, Hypertext Markup Language (HTML), logo, layout, header, purpose, copyright, fair use, breadcrumb trail, navigation, hyperlink, subpage, home page, preview, evaluate, device, Google Sites, implication, external link, embed</p>
Digital Literacy						
Self-Image and Identity	Online, offline, trusted adult, help, act	Online, offline, trusted adult, help, act	Identity, represent, online, online identity, offline identity	online identity, offline identity, interact, perceive, pretend, modified, altered	online identity, offline identity, interact, responsible choices,	online identity, offline identity, interact, responsible choices, challenge, reject, help, trusted adult
Online Relationships	Internet, communicate, technology, permission, respect, trusted adult	Internet, communicate, technology, permission, respect, trusted adult, consent	Trust, trusted adult, online, permission, sharing	Trust, trusted adult, online, permission, sharing	online, permission, sharing, online social environments, unhealthy online behaviours, technology-specific forms of communication	online, permission, sharing, online social environments, unhealthy online behaviours, technology-specific forms of communication, online communities,

Online Reputation	Information, internet, copied, trusted adult, consent	Information, internet, copied, trusted adult, consent	Information, personal, sharing, trusted adult	Information, personal, sharing, trusted adult, searching online,	Information, personal, sharing, trusted adult, searching online, judgements, positive online reputation	Information, personal, sharing, trusted adult, searching online, judgements, positive online reputation, digital personality
Online Bullying	Unkind, online, bully, bullying, feelings, trusted adult	Unkind, online, bully, bullying, feelings, trusted adult	Appropriate, online, bullying behaviour, trusted adult	Appropriate, online, bullying behaviour, trusted adult	Physical world, trusted adult, bullying behaviour, report, concerns, block, abusive users,	Physical world, trusted adult, bullying behaviour, report, concerns, block, abusive users, helpline services, capture
Managing Online Information	Internet, online, information, devices, digital technologies, trusted adult	Internet, online, information, devices, digital technologies, trusted adult, search engine, webpage, navigate, real, not true	Online, accurate, information, autocomplete, opinions, trusted adult	Online, accurate, information, autocomplete, opinions, trusted adult, different technologies	Probable accuracy, online, information, consent, technologies, opinions, impersonate, fake news, limitations	Probable accuracy, online, information, consent, technologies, opinions, impersonate, fake news, limitations, validity, reliability, evidence, commercially sponsored, stereotypes, hoax, persuasive design, flag, report
Health, Well-being, and Lifestyle	Rules, healthy, safe, technology, online, trusted adult	Rules, healthy, safe, technology, online, trusted adult, environments	Technology, negative impact, engaged, age restrictions, pressure, distraction	Technology, negative impact, engaged, age restrictions, pressure, distraction, time limit	Technology, negative impact, positive impact age restrictions, pressure, distraction, time limit, risk, permission, age-related content	Technology, negative impact, positive impact age restrictions, pressure, distraction, time limit, risk, permission, age-related content, persuasive design, access, action, strategies
Privacy and Security	Password, personal information, safe, protect, identity, trusted adult	Password, personal information, safe, online, identity, trusted adult, protect	Password, personal information, safe, online, secure, private, comments,	Password, personal information, safe, online, secure, private, comments,	Password, personal information, safe, online, secure, private, comments,	Password, personal information, safe, online, secure, private, comments,

“Be courageous; be strong. Do everything in love” (1 Corinthians 16:13-14)

			identity, trusted adult, protect,	identity, trusted adult, protect	protect, concerns, communicating, respectful,	Protect, concerns, communicating, respectful, consequence, device
Copyright and Ownership	Create, belongs, technology, title, name, copy, save	Create, belongs, technology, title, name, copy, save, content, internet	Technology, title, name, copy, save, content, internet, permission, reuse,	Technology, title, name, copy, save, content, internet, permission, reuse,	Technology, title, name, copy, save, content, internet, permission, reuse, permitted, tools	Technology, title, name, copy, save, content, internet, permission, reuse, permitted, tools, reference, acknowledge, sources