

Computing Overview

Year Group	Block 1 Autumn 2	Block 2 Spring 2
Reception	n/a	Laptops (Summer term) Allowing opportunity for children to become more familiar with laptops – using trackpads, keyboards etc.
1	Creating Media (Tilney - Spring 2) Digital Painting (2 weeks) Laptops <i>paint program, tool, paintbrush, erase, fill, undo, primary colours, shape tools, line tool, shape tool, brush style, brush size, pictures, painting, computers, like, prefer, dislike</i> Digital Writing (3 weeks) Laptops <i>Word processor, keyboard, keys, letters, type, numbers, space, backspace, text cursor, capital letters, toolbar, bold, italic, underline, mouse, select, font, undo, redo, font, format, compare, typing, writing</i>	Programming (Tilney - Autumn 2) Moving a robot Ipads <i>Forwards, backwards, turn, clear, go, commands, instructions, directions, left, right, plan, algorithm, program, route</i>
2	Programming Programming Quizzes Ipads <i>Sequence, command, program, run, start, outcome, predict, blocks, sprite, algorithm, design, sequence, predict, actions, project, modify, change, build, match, compare, debug, features, evaluate</i>	Data and Information Pictograms Laptops Year 2 teachers to teach data handling in maths prior to or alongside this unit <i>More than, less than, most, least, organise, data, object, tally chart, votes, total Pictogram, enter, data, tally chart, compare, explain, most, least, more common, least common, attribute, group, same, different, object, conclusion, block diagram</i>
3	Creating Media Desktop Publishing – Microsoft Publisher Laptops <i>Text, images, advantages, design, pictures, background, font</i>	Programming Sequencing Sounds Laptops <i>Sequencing Sounds, Scratch, programming, blocks, commands, code, sprite, costume, stage, backdrop, motion</i>

disadvantages, communicate, font,

sprite, costume, stage, backdrop, motion,

	<p><i>font style, communicate, template, landscape, portrait, orientation, placeholder, template, layout, content desktop publishing, copy, paste, purpose, benefits</i></p>	<p><i>turn, point in direction, go to, glide, sequence, event, task, design, run the code, order, note, chord, algorithm, bug, debug</i></p>
4	<p>Creating Media Audio Production I pads <i>Audio, microphone, speaker, headphones, input device, output device, sound, podcast, edit, trim, align, layer, import, record, playback, edit, selection, load, save, export, MP3, editing, evaluate, feedback</i></p>	<p>Programming Repetition in Shapes Laptops <i>program, Turtle, Commands, Code snippet, algorithm, design, debug, pattern, repeat, repetition, count-controlled loop, algorithm, value, trace, value, decompose, procedure</i></p>
5	<p>Computing Systems and Networks The Internet (yr 4 unit) (1 week brief overview) <i>Internet, network, router, network security</i> <i>Network switch, server, wireless access point (WAP), router, website, web page, web address, web browser</i></p> <p>Data and Information Flat-file Databases Laptops <i>Database, data, information, record, field, sort, order, group, search, value, search, criteria, graph, chart, axis, compare, filter, presentation</i></p>	<p>Programming Selection in Quizzes Laptops <i>Selection, condition, true, false, count-controlled loop, outcomes, conditional statement, algorithm, program, debug, question, answer, Task, design, input, Implement, design, test, run, setup</i></p>
6	<p>Computing Systems and Networks Systems and Searching (yr 5 unit) (1 week brief overview) <i>System, connection, digital, input, process, output, search, search engine, refine</i> <i>Index, crawler, bot, ordering, ranking, links, algorithm, web</i></p>	<p>Programming B Sensing Movement (With Microbits) Laptops <i>Variable, change, name, value, set, design, event, algorithm, code, task, artwork, program, project, code, test, debug</i> <i>Improve, evaluate, share</i></p>

	<i>ranking, links, algorithm, web crawler, content creator, selection</i>	<i>improve, evaluate, share</i>
	Data and Information	

	Introduction to Spreadsheets Laptops <i>data, collecting, table, structure, spreadsheet, cell, cell reference, data item, format, formula, calculation, input, output, calculate, operation, formula, range, duplicate, sigma propose, question, set, organised, chart, evaluate, results, comparison, questions, software, tools</i>	
--	---	--

Each lesson to begin with E-safety activity 5-10 minutes – see E- Safety objectives sheet

