



Grove Vale Computing Overview



Term	Autumn 1								Autumn 2							
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	
Topic/Unit	Online safety	Exploring Technology					Grouping and sorting		Pictograms	Online Safety	Lego Builders					Presenting work
Focus Outcome	We are Y1 rule writers	Log in, save, locate, identify, explore, create avatar, create/use pictures, increase confidence/familiarity					Sort, collaborate, identify criteria and apply		Use and collect data, discuss, collaborate, illustrate and present, represent in a variety of ways, evaluate, use picture formats	We are kind and thoughtful	Accurately follow/create instructions, build, predict results, to begin to know what an algorithm is, vocabulary (e.g algorithm and program), debug to correct problems, understand how choices/changes affect outcomes					Use a range of software to present work to others and offer feedback (SA/PA)

Term	Spring 1						Spring 2						
Week	1	2	3	4	5	6	1	2	3	4	5	6	
Topic/Unit	Online Safety	Maze Explorers				Presenting Work	Online Safety	Animated Stories					
Focus Outcome	We are responsible internet and device users	Direct, apply knowledge of measurements, create simple algorithms, create challenging algorithms by using variety of direction, save, try and feedback.				Use a range of software to present work to others and offer feedback (SA/PA)	We are information protectors	Identify and use knowledge of physical and digital texts, draw, identify, use and choose tools, add text, colour, edit and adapt font sizes and type, add animation, save, edit and change files, copy and paste, share work, collaborate and feedback.					

Term	Summer 1					Summer 2							
Week	1	2	3	4	5	1	2	3	4	5	6	7	
Topic/Unit	Online Safety	Coding					Online Safety	Spreadsheets				Using Technology Outside School	
Focus Outcome	We are good digital citizens	Explain/increase knowledge of code,vocabulary (e.g block), add characters, menus, design/create a simple program.					We are responsible gamers	Navigate, use rows/columns, save /open, use tools				Use terms correctly (e.g technology), know types, give eggs.	

Year 1 Overview



Grove Vale Computing Overview



Term	Autumn 1								Autumn 2								
Week	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7		
Topic/ Unit	Online safety	Coding				Coding				Online Safety	Online Safety			Spreadsheets			
Focus Outcome	We are Y2 rule writers	Create and explain algorithms, describe, learn properties, make choices, repeat and use timers, evaluate commands, include buttons, explain vocab, use a design document to debug, save each function, create programs, predict.								We are not online bullies	Use search facility and refine, share and collaborate, role of adults, sharing, email			Explain vocab (rows/columns), open, save and edit, add images, give values, use tools, total rows/cols, solve mathematical puzzles, work out calculations, create tables, manually create block graphs.			

Term	Spring 1						Spring 2						
Week	1	2	3	4	5	6	1	2	3	4	5	6	
Topic/ Unit	Online Safety	Questioning					Online Safety	Effective Searching				Presenting	
Focus Outcome	We are safe searchers	Create questions, separate items, vocabulary (e.g binary tree), understand the purpose and limitations of chosen software, understand database language.					We are code masters	Recall key internet terms, identify basic parts of a web search, begin and develop knowledge of how to read web searches				Present a range of work, evaluate and feedback	

Term	Summer 1					Summer 2							
Week	1	2	3	4	5	1	2	3	4	5	6	7	
Topic/ Unit	Online Safety	Creating Pictures				Online Safety	Making Music				Presenting		
Focus Outcome	We are online behaviour experts	Explain language (e.g impressionist art), explore features of 2paint, repeat patterns, use range of tools, describe and evaluate.				We are game raters	Explore software, use different tools, create sounds, sequence, expression, upload, share, record, feedback				Present a range of work, evaluate and feedback		

Year 2 Overview



Grove Vale Computing Overview



Term	Autumn 1								Autumn 2							
Week	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	
Topic/Unit	Online safety	Coding						Coding		Online Safety	Online Safety		Spreadsheets			
Focus Outcome	We are Y3 rule writers	Create designs that represent sequential algorithm, flowcharts, explain language (e.g object, action, etc), explain simulations, angles, adapt, if statements, timer, variables, debugging						Start to apply knowledge learnt in 2Code into simple Scratch ready to move onto full Scratch		We are digital friends	Passwords, outcomes of losing/stolen pw, collab, class blog, appropriate material, accurate info, language (e.g spoof)		Data tables, spreadsheets programmed to automatically create charts/graphs from data, collect, language (e.g more than/less than), tools, describe cell locations using correct notation, find specific locations,			

Term	Spring 1						Spring 2						
Week	1	2	3	4	5	6	1	2	3	4	5	6	
Topic/Unit	Online Safety	Touch Typing				Presenting		Online Safety	Email			Presenting	
Focus Outcome	We are responsible internet and device users	use correct keys at speed,two handed typing, can use keys to direct accurately.				Present work using a variety of software. Evaluate and offer feedback.		We are safe searchers	Understand different types of communication pros/cons, safety of email, contribution and collaborations, attach work/images to an email, understand variety of scenarios, understand language (e.g cc)			Present work using a variety of software. Evaluate and offer feedback.	

Term	Summer 1					Summer 2						
Week	1	2	3	4	5	1	2	3	4	5	6	7
Topic/Unit	Online Safety	Branching Databases				Online Safety		Simulations			Graphing	
Sware	RS/PM	2QUESTION				RS	2SIMULATE/2PUBLISH			2Graph		
Focus Outcome	We are netiquette experts	Understand how yes/no questions are structured, apply knowledge, collab and contribute to databases, make choices based on desired outcome, select appropriate information/images, create a branching database, debug their database.				We are avatar creators	Understand simulations can represent real situations. Understand and give suggestions of advantages and problems.			Set up graphs with a number of fields, enter data accurately, produce and share graphs, solve investigations, present results in a range of graphical formats.		

Year 3 Overview



Grove Vale Computing Overview



Term	Autumn 1								Autumn 2							
Week	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	
Topic/ Unit	Online safety	Coding							Online Safety	Online Safety			Spreadsheets			
Focus Outcome	We are Y4 rule writers	Chn apply knowledge of coding, variables,if statements, use blocks, repeat and explain, explain timings, compare		Compare a range of coding software, vocabulary (e.g sprite, blocks), create basic codes following instructions, debug in order to get coding to work and reach target, include actions, text, if statements, detailed explanations, answer what if questions, code independently using learnt knowledge of blocks and debugging to be successful.					We are standing up to peer pressure	Aware of security symbols, vocabulary (e.g phishing), digital footprint in reference to identity theft, risks of installing, malware, infringing of copyright, take ownership of digital activities, reasons for screen time limits.			Use of formatting tools, use a variety of data to create line graphs, read digital line graphs effectively, compare data and presentation, collect data, use spreadsheet to plan and investigate, use currency formatting, allocate images with values, apply mathematical knowledge to concepts.			

Term	Spring 1						Spring 2					
Week	1	2	3	4	5	6	1	2	3	4	5	6
Topic/ Unit	Online Safety		Writing for Different Audiences			Presenting	Online Safety	Logo				Presenting
Focus Outcome	We are aware that our online content lasts forever		Compare texts and discuss properties, vocab (font, size, etc), purpose of audience and job role, technology in the real world, communications, mind map, share, collab,			Present work using a variety of software. Evaluate and offer feedback.	We are online risk managers	Create designs, shapes, images, follow instructions and independently later apply knowledge, draw letters, increase complexity, predict, repeat functions, evaluate, build				Present work using a variety of software. Evaluate and offer feedback.

Term	Summer 1					Summer 2						
Week	1	2	3	4	5	1	2	3	4	5	6	7
Topic/ Unit	Online Safety		Animation			Online Safety	Effective Search				Hardware Investigator	
Focus Outcome	We are respectful of digital rights and responsibilities		Animation flick book, create, use language (e.g frames), show understanding, animate, variety of tool (e.g onion skin), new images, backgrounds/sound for complexity, explain/share.			We are careful when talking to digital friends	Search queries, answer, analyse content, use knowledge of online safety linking to credibility.				Name equipment and technology, functions, compare, use technical vocabulary.	

Year 4 Overview



Grove Vale Computing Overview



Term	Autumn 1								Autumn 2							
Week	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	
Topic/Unit	Online safety	Coding							Online Safety	Online Safety			Spreadsheets			
Focus Outcome	We are Y5 rule writers	Follow instructions to direct and program successfully, use blocks and individual elements of code to create an action or direction, create a design, reflect and collaborate to adapt and improve, use knowledge of decomposition to debug and successfully code, explain vocabulary and choices, set and change variables depending on outcome, use loops, score and timer							We are responsible for your online actions	Critically consider information that can share online linking to themselves and others, use scenarios and discuss, think about trusting friends/adults and compare digital to physical, recap smart, effects of editing and digital technology, manipulation of tools for certain outcomes.			Compare Excel to 2Calculate, create formula, calculate using excel, vocabulary, how is this used in real life, solution/presentation to solve/model real life situations/data.			

Term	Spring 1						Spring 2					
Week	1	2	3	4	5	6	1	2	3	4	5	6
Topic/Unit	Online Safety	Databases				Presenting	Online Safety	Game Creator				Presenting
Focus Outcome	We are content evaluators	Search in a variety of ways, use filters, create avatar for purpose, enter info to collab, independently research/create, explain show knowledge of fields and adding.				Present work using a variety of software. Evaluate and offer feedback.	We are protecting our online reputation	Compare to Scratch and coding programs, Review and analyse computer games. Describe elements pros/cons, compare, o.s knowledge, themes, upload/draw, adapt, increase playability, evaluate				Present work using a variety of software. Evaluate and offer feedback.

Term	Summer 1					Summer 2						
Week	1	2	3	4	5	1	2	3	4	5	6	7
Topic/Unit	Online Safety	3D Modelling				Online Safety	Video Editing				Concept Maps	
Focus Outcome	We are respectful of copyright	Design, consider viewpoints and additional features (e.g background), adapt model by viewpoint to alter shape without changing form, edit and refine, print, explore 3D printing				We are game changers	Use of tools, language, features, purpose, sound, image and video, use of ipads,				Make connections between thoughts/ideas, record concept maps, use vocab (e.g stage/nodes), collap, present	

Year 5 Overview



Grove Vale Computing Overview



Term	Autumn 1								Autumn 2							
Week	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	
Topic/Unit	Online safety	Coding							Online Safety	Online Safety			Spreadsheets			
Focus Outcome	We are online safety ambassadors	Learn tools, compare, anticipate variables and outcomes, debug when errors occur, predict, explain functions, order and choices, aware of the need for code for all actions, outcomes, collab and evaluate, feedback, adapt and improve.							We will not share inappropriate images	Research risks of online gaming and issues relating to applications : building and recapping on vocabulary and prior knowledge. Consider steps that are taken to stay safe online and protect footprints. Share impacts short term/long term. Consequences and next steps. Balance between real and digital.			Copy and paste shortcuts accurately, create spreadsheets, work out price and cost by using formula, model real life situations and solve, knowledge of practical uses of spreadsheets, plan and use independently.			

Term	Spring 1						Spring 2					
Week	1	2	3	4	5	6	1	2	3	4	5	6
Topic/Unit	Online Safety	Blogging				Presenting	Online Safety	Text Adventure				Presenting
Focus Outcome	We are social networkers	What is a blog? How are they used? What are features, analyse and feedback, consider audience and purpose, collab and plan, presentation, post, approval process, inappropriate and links to o.s				Present work using a variety of software. Evaluate and offer feedback.	We are respectful of others	Describe a text adventure, map out story-based adventure, create, test and debug, split design into appropriate sections, contrast map-based with sequential story based game, create independently, debug, use coding concepts,				Present work using a variety of software. Evaluate and offer feedback.

Term	Summer 1					Summer 2						
Week	1	2	3	4	5	1	2	3	4	5	6	7
Topic/Unit	Online Safety	Networks				Online Safety	Video Editing				Music Editing	
Focus Outcome	We are online safety problem solvers	Know difference between world wide web and internet, learn about school network, research Tim Berners-Lee, consider major changes in technology, over last 30 years and predict.				We are safe gaming experts	Independently apply knowledge for purpose, audience, effective outcome, range of media, share, air drop, audio, adapt, edit				Create Music, use a range of tools, purpose, genre, use knowledge, share, adapt, feedback	

Year 6 Overview