Keyworth Primary School

Computing Vocabulary Progression – Whole School

Reception						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	My story our world	Story telling	Under the sea	Dinosaurs	Growing	Space
	Vocab: iPad Screen App	Vocab: QR code Scan Record	Vocab: E-safety Internet Search information	Vocab: Instruction Beebot	Vocab: Select Text Drag	Vocab: Research Search engine (google)

Year 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Computing systems and networks – Technology around us Vocab: Enter technology computer mouse keyboard cursor left click right click mouse pad	**Creating media – Digital painting** Vocab: Program tools create save document	**Programming A – Moving a robot** Vocab: Digital command outcome predict debug instructions	**Data and information – Grouping data** Vocab: Data record object label group	**Creating media – Digital writing** Vocab: Keyboard space key copy and paste word processor back space tool bar font double click undo	**Programming B - Programming animations** Vocab: Scratch coding sprite design

Year 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Computing systems and networks – IT around us Vocab: Information technology computers barcodes scanners tills bank cards traffic lights (previous years' vocabulary should be embedded)	**Creating media – Digital photography** Vocab: Device capture photograph digital photo landscape portrait format compose retake light autofocus lighting adjust tool effect (previous years' vocabulary should be embedded)	**Programming A – Robot algorithms** Vocab: instructions sequence algorithm floor robot outcomes logic reasoning prediction programme debugging decomposition debugging fix (previous years' vocabulary should be embedded)	**Data and information – Pictograms** Vocab: tally data chart questions objects more/less than most/least conclusions pictograms information (previous years' vocabulary should be embedded)	**Creating media - Digital music** Vocab: digital music sounds pitch pattern sequence notes rhythm (previous years' vocabulary should be embedded)	**Programming B - Programming quizzes** Vocab: sequence commands programme run predict outcome sprite blocks backgrounds character design algorithm debug (previous years' vocabulary should be embedded)

Year 3	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Computing systems and networks – Connecting computers Vocab: input output digital devices process Wi-Fi tablets mobile phones messages connections networks server wireless access point infrastructure (previous years' vocabulary should be embedded)	**Creating media - Stop-frame animation** Vocab: animation flip book sequence of images story-board frame onion skinning evaluate improve media effects (previous years' vocabulary should be embedded)	**Programming A - Sequencing sounds** Vocab: scratch sprites backdrops attributes blocks commands motion blocks actions costumes (previous years' vocabulary should be embedded)	**Data and information – Branching databases** Vocab: questions investigate groups attributes branching database compare (previous years' vocabulary should be embedded)	**Creating media – Desktop publishing** Vocab: font style size colour edit return backspace shift typing page orientation placeholders template paste layout (previous years' vocabulary should be embedded)	**Programming B - Events and actions in programs** Vocab: sprite event action programme extension commands debugging pen blocks character (previous years' vocabulary should be embedded)

Year4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Unit: Computing systems and networks – The Internet Vocab: internet world wide web protecting websites web-pages upload share access media content (previous years' vocabulary should be embedded) create ownership copyright	**Unit: Creating media - Audio production** Vocab: microphone speaker headphone podcast Audacity ownership copyright audio soundwave editable voice recording trim align sound effects layers background music (previous years' vocabulary should be embedded)	**Unit: Programming A – Repetition in shapes** Vocab: repetition shapes loops accuracy logo text-based code snippet count controlled loop patterns predict debugging (previous years' vocabulary should be embedded)	**Unit: Data and information – Data logging** Vocab: data logging gather collect identify sensors intervals capture analyse sort conclusions (previous years' vocabulary should be embedded)	**Unit: Creating media – Photo editing** Vocab: composition digital image rotate crop colour effects cloning select and copy tools combine (previous years' vocabulary should be embedded)	**Unit: Programming B – Repetition in games** Vocab: repetition loops instructions snippet of code programming languages count controlled loops repeated action (previous years' vocabulary should be embedded)

Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Unit: Computing systems and networks - Systems and searching Vocab: search engines select rank results system components electronic connections connected systems digital system communicate with	**Unit: Creating media - Video production** Vocab: media format videos digital device camera angles microphone filming techniques capture scene script storyboard reshooting shooting importing (previous years' vocabulary should be embedded)	**Unit: Programming A – Selection in physical computing** Vocab: simple circuit microcontroller infinite loop LED switch Sparkle Crumble motor components connect output input conditional loop Crumble controller	**Unit: Data and information – Flat-file databases** Vocab: database information order sort fields record flat file database grouping sorting values criteria chart (previous years' vocabulary should be embedded)	**Unit: Creating media – Introduction to vector graphics** Vocab: drawing tools vector-drawings move resize rotate duplicate zoom tool alignment grids modify layer grouping ungrouping (previous years' vocabulary should be embedded)	**Unit: Programming B – Selection in quizzes** Vocab: selection conditions identify modify conditional statement branch test set up code (previous years' vocabulary should be embedded)

	devices address bar web crawlers index keywords (previous years' vocabulary should be embedded)		selection (previous years' vocabulary should be embedded)			

Year 6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Unit: Computing systems and networks - Communication and collaboration Vocab: IP addresses protocols Domain Name Servers (DNS) data transfer data packet public and private collaboration communication (previous years' vocabulary should be embedded)	**Unit: Creating media – Web page creation** Vocab: website HTML code webpage layout ownership copyright 'fair use' navigation paths content hyperlinks (previous years' vocabulary should be embedded)	**Unit: Programming A – Variables in games** Vocab: variables games place holder value event programme algorithm abstraction design choices (previous years' vocabulary should be embedded)	**Unit: Data and information – Spreadsheets** Vocab: formulas cells spreadsheet format inputs outputs calculations charts results present (previous years' vocabulary should be embedded)	**Unit: Creating media – 3D Modelling** Vocab: Tinkercad 3D modelling 3 dimensions perspectives resize rotate duplicate place holders construct design model (previous years' vocabulary should be embedded)	**Unit: Programming B - Sensing movement** Vocab: micro: bit input process output controllable device emulator variable selection condition operand (previous years' vocabulary should be embedded)