



Broad Square Primary School Tier 3 Vocabulary Progression – Computing

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Computing systems and networks – digital drawing		Topic - Programming 1 – all about instructions Device Buttons Instructions Robot b-bot outcome	Topic - Computing systems and networks – Technology around us Internet Safe Rules Online Stranger Choice	Topic - Programming 2 – Programming digital toys Device Buttons Instructions Robot b-bot outcome	Topic - Data handling - introduction to data Collect Count Sort Photo
Year 1	Topic - Computing Systems and networks – Technology around us Internet, Safe & Unsafe Stranger Choices Website App Rules Online	Topic - Creating Media – Digital painting Create Modify Image Control Picture Resize Copy	Topic - Programming A – Moving a robot Device Outcome Instruction Equipment Buttons Movement Instructions, Robots	Topic - Data and information – Grouping data Pictogram Graph Data Collect Count Organise Photographs Video	Topic - Creating media – Digital writing Device Share Technology Create Internet Purpose Online tools Communicate	Topic - Programming B – Programming animations Device Outcome Instruction Equipment Buttons Movement

	Private information Email Appropriate/inappropriate sites, Cyber-bullying Digital footprint Keyword searching Information, Source, Digital		Patterns Program	Sound Data Digitally		Instructions, Robots Patterns Program
Year 2	Topic - Computing Systems and networks – IT around us Internet Safe & Unsafe Safe adults Stranger Choices Website App Rules Online Private information Email, Appropriate/inappropriate sites Cyber-bullying Digital footprint Keyword Searching Search engine Research	Topic - Creating Media – Digital photography Save Retrieve Edit Capture moments Magnified images	Topic - Programming A – Robot algorithms Predict Effect Precise Forward Backward Right-angle turn Algorithm Sequence Debug	Topic - Data and information – Pictograms Questions Data collection Graphs Charts	Topic - Creating media – Digital music Record Speech Microphone	Topic - Programming B – Programming quizzes Input Mouse Microphone Keyboard Journey Hyperlink Back button Information sources Communication Website content Software Compose

	Retrieve					
Year 3	<p>Topic - Computing Systems and networks – Connecting computers</p> <p>Website Private Public Contact Acceptable Unacceptable E-safety rules Secure passwords Report abuse Games Blog</p>	<p>Topic - Creating Media – Stop- frame animation</p> <p>Animation Story Sprite Motion</p>	<p>Topic - Programming A –A sequencing sounds</p> <p>Algorithm Coding Debug Input device Output device</p>	<p>Topic - Data and information – branching databases Search Enquiry Question Construct Contribute Record data Present data Data logger</p>	<p>Topic - Creating media – Desktop publishing</p> <p>Presentation Capture Create</p>	<p>Topic - Programming B – Events and actions in programs Destination Goal Sequence instructions Sequence debugging Test + improve Logo Commands</p>
Year 4	<p>Topic - Computing Systems and networks – The internet</p> <p>Website Private Public Contact Acceptable Unacceptable E-safety rules Secure passwords Report abuse button</p>	<p>Topic - Creating Media – Audio production</p> <p>Podcast Sound effect Recording Out put device</p>	<p>Topic - Programming A –A repetition in shapes</p> <p>Software Refine Command Error Type + edit logo commands Sensors</p>	<p>Topic - Data and information – Data logging</p> <p>Collection sheet Database Analyse Database creation Database Searches Inaccurate data</p>	<p>Topic - Creating media – Photo editing</p> <p>Digital image Copy Paste Resize</p>	<p>Topic - Programming B – Repetition in games</p> <p>Software Refine Command Error Type + edit logo commands Sensors</p>

	Gaming Blogs		Open-ended problems Bugs in programs			Open-ended problems Bugs in programs
Year 5	<p>Topic - Computing Systems and networks – systems and searching</p> <p>Consequence Report Social media Concerns Responsible online communication Informed choices Virus Threats Messaging</p>	<p>Topic - Creating Media – video production</p> <p>Control Explore procedures Refine Procedures Variable, Hardware + software control Change inputs Different outputs Articulate solutions</p>	<p>Topic - Programming A – A selection in physical computing</p> <p>Control Explore procedures Refine procedures Variable, Hardware + software control Change inputs Different outputs Articulate solutions</p>	<p>Topic - Data and information – Flat-file databases</p> <p>Data collection Interrogate Search Sort Graph Spreadsheets Complex searches (and/or:), Problem solving Present answers Analyse information Question data</p>	<p>Topic - Creating media – Introduction to vector graphics</p> <p>Drawing tool Creating Image Effective drawing Layers Object Manipulating Image Vector Reflect</p>	<p>Topic - Programming B – Selection in quizzes</p> <p>Computer programme Conditions Infinite loop If...when...else Algorithm Setup code</p>
Year 6	<p>Topic - Computing Systems and networks – Communication and collaboration</p> <p>Consequence Report Social media Concerns Responsible online communication</p>	<p>Topic - Creating Media – Web page creation</p> <p>Website HTML Media Command features Web page layout Draw</p>	<p>Topic - Programming A – Variables in games</p> <p>Variable Information Change Programme Algorithm Choice</p>	<p>Topic - Data and information – Spreadsheets</p> <p>Spreadsheet Collect data Format Cell Input Output Formula</p>	<p>Topic - Creating media – 3D modelling</p> <p>Spreadsheet Data Formula Calculate</p>	<p>Topic - Programming B – Sensing movement</p> <p>Chart Budget Data Input Present Graph</p>

	Informed choices Virus threats Messaging Access Data Transfer Information Record Internet	Copy-right Content Navigation Suggestions Edit Implication	Code	Duplicating cell Organise Present Table/chart		Spreadsheet
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