CROSSGATES PRIMARY SCHOOL SUBJECT – COMPUTING LONG TERM PLAN

	Autumn		Spring		Summer		Blocks
Reception	Continuous Provision – access to devices (cameras, phones, laptops)		Continuous Provision – access to devices (cameras, phones, laptops)		Continuous Provision - access to devices (cameras, phones, laptops)		Block 1 (2 year cycle)
Year 1	Computing Systems and Networks – Technoglogy Around Us Hardware:Mouse, Keyboard, Chromebook Software:Paintz App	Creating Media – Digital Painting Hardware:Mouse, Keyboard, Chromebook Software:Paintz App	Programming A – Moving a Robot Hardware: Beebots Software:Twinkl has bee bot cards	Data and Information – Grouping Data Hardware:Chromebooks Software: The ability to save work?	Creating Media – Digital Writing Hardware: Chromebooks Software: Google docs or something for word processing	Programming B – Programming animations Hardware:iPads or Chromebook ideally with touchscreen Software: Scratch JR	
Year 2/3 Cycle 1 (year 2 curriculum)	Computing Systems and Networks – IT around us Hardware: Chromebooks Software: Google Slides	Creating Media – Digital Photography Hardware:iPads Software: iMotion, Stop Motion Studio Stickboys or playdough	Programming A – Robot Algorithms Hardware:iPads or Chromebooks: Bee bots, or botleys, Software: Bee Bot App on iPads would help	Data and Information - Pictograms Hardware:Chromebooks Software: J2E Pictorgrams free software - google this	Creating Media – Digital Music Hardware: Chromebooks Software:Chrome music Lab - All this information is in the planning	Programming B – Programming Quizzes Hardware: Chromebooks Software:Scratch	Block 2 (2 year cycle)
Year 2/3 Cycle 2 (year 3 curriculum)	Computing Systems and Networks – Connecting Computers Hardware: Children need to see servers, networks points etc	Creating Media – Stop Frame animation Hardware: iPads Software:Stop Motion Studio Stickbots	Programming A – Sequencing Sounds Hardware: Chromebooks Software: Scratch Note: You will need to prepare this early to make children's accounts so they can save and access their work	Data and information – Branching databases Hardware:Chromebooks Software: j2e data free tools You just need to google that and it works	Creating Media – Desktop Publishing Hardware: Chromebooks Software:Children need a canva for an education account/ You need to get parental permission and they have this on the planning	Programming B – Events and actions in programs Hardware: Chromebooks Software: Scratch	

	Software: paint app - paintz				links. As a teacher you need a canva account		
Year 4/5 Cycle 1	Computing Systems and Network – The Internet Hardware: Chromebooks Software:Chrome Music Lab	Creating Media – Audio Production Hardware: Chromebooks/iPads Software: Audacity and you need headphones with microphones Could use garage band with iPads	Programming A - Repetition in shapes Hardware:Chromebooks Software: Turtle academy	Data and Information – Data Logging Hardware: Data Logger/iPads Software: Easy Sense2 App	Creating Media – Photo Editing Hardware: Chromebooks Software: get pain.net or pixlr or photopea	Programming B – Repetition in Games Hardware: Chromebooks Software: Scratch	Block 3 (2 year cycle)
Year 4/5 Cycle 2	Computing systems and networks – systems and searching Hardware: Chromebooks or iPads Software: search engine	Creating Media – Video Production Hardware: iPads Software:iMovie	Programming A – Selection in physical computing Hardware: Crumble start Kit - research and find Software:Crumble software - might be ipads or chromebooks (Ask Jamie)	Data and Information - Flat-file database Hardware: Chromebooks Software: free data platform www/j2e/database/	Creating Media – Introduction to vector graphics Hardware:Chromebooks Software: google drawing	Programming B – Selection in Quizzes Hardware:Chromebooks Software:Scratch	
Year 6	Computing systems and networks – Communication and collaboration Hardware:Chromebooks Software:Google Slides	Creating Media – Web Page Creation Hardware:Chromebooks Software:Google Slides	Programming A – Variables in Games Hardware:Chromebooks Software: Google Sheets	Data and Information – Introduction to Spreadsheets Hardware: Chromebooks Software: Google Sheets	Creating Media – 3d modelling Hardware:Chromebooks Software:Google slides or padlet	Programming B – Sensing movement Hardware:Chromebooks Software:Microbit TBC	Block 4 (1 year cycle)

Concepts – digital literacy, information technology and computer science.