Long Term Plan 2023   Computing (NCCE computing)

Year Group	Autumn	Spring	Summer
R	Internet safety Accessing computing systems within the classroom. Creating media – Fireworks in 2paint	Internet safety Giving and following Instructions	Internet safety Finding information on the internet.
1	Computing systems and networks Technology around us (mouse and keyboard skills) Internet safety Creating media Digital painting (paintz.app)	Programming Moving a robot (Bee-bot) Data and information Grouping data (using search tools)	Creating media Digital writing – Microsoft word – entering, removing and changing text. Programming Animations (Scratch Junior)
2	Computing systems and networks IT around us (including Internet safety) Programming Robot algorithms (Bee-bot)	Data and information Pictograms (j2e pictogram) Creating media Digital music (chrome music lab)	Creating media Digital photography (Pixlr.com) Programming Quizzes (Scratch Junior)
3	Computing systems and networks Connecting computers (School network – server, switch and wireless access points) Internet safety Creating media Stop frame animation (iMotion App)	Programming Sequencing sounds (Scratch) Data and information Branching databases (j2e and ncce.io/minibtree)	Creating media Desktop publishing (using templates for magazines etc) Programming Events and actions in programmes (Move Sprites in Scratch – choose commands)
4	Computing systems and networks (World Wide Web) Internet safety Creating media Using Audacity to create a podcast.	Programming Control a screen turtle in MSW Logo (write own commands) Data and information Data logging	Creating media Digital photo editing (paint.net) Programming Scratch – create games
5	Computing systems and networks Computer systems and searching the web Internet safety Creating media Video production (Microsoft video editor)	Programming Controlling conditions (Crumble controller) Data and information Creating and controlling a database (J2E)	Creating media Vector drawings (google drawings app) Programming Scratch – creating a quiz
6	Computing systems and networks	Programming	Creating media

	Data packets Internet safety Creating media Webpage creation (Google sites)	Variables in programming (Scratch) Data and information Spreadsheets (Microsoft Excel)	3D modelling https://www.tinkercad.com Programming Sensing movement – creating a step counter