Long Term Plan – Computing - Cycle B 2023-2024

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| CYCLE B  | Autumn | Spring | Summer |
| EYFS | Through the Early Years curriculum:Safety – understanding what it means for something to be private; know who can help when I feel worried; show kindness to others, choose activities to keep me healthy. Understanding how to use devices and electricity safely. Technology around us - identifying technology at home, in school and outdoors. Digital Literacy – talking about what photos show and taking photos using the ipad camera.Computer Science – Understanding instructions and how they lead to outcomes. Directions, planning, describing what I am doing. Beebot coding |
| Year 1 and 2 | 2.2 Online SafetyLogging in and saving work. Sharing, using email, digital footprint. | 1.7 Tech outside schoolExamples of technology in the community  | 2.3 SpreadsheetsCopy and paste, totals, calculations and graphs | 2.6 Creating picturesUsing 2Paint to create patterns and art | 2.5 Effective searchingSearch terminology and how to guide | 1.5 Maze ExplorersCoding – direction keys and algorithms |
| Year 3 and 4 | 3.2 Online safetyPasswords, blogging, safe websites and PEGI ratings | 3.7 SimulationsExploring and analysing simulations | 3.4 TypingKeyboard skills | 4.4 Writing for a purpose Font size, colour, layout, background for impact.Link to literacy topic Whales persuasive poster | 3.1. and part of 4.1Coding: loops, repeat, timers, nesting, if/elseLink to Literacy book in free code | 3.3 / part of 4.3Spreadsheets – collecting data. Formula, graphing, toolsLinked to Maths Data |
| Year 5 and 6 | 6.2 Online safetyBenefits and risks, staying healthy (2 lessons)6.7 QuizzingCreating quiz using question types and a database | 5.6 3D modellingCAD design  | 6.5 Text adventuresCreating a story –text-based and map-based | 6.6 NetworksWAN/LAN, school network, internet structure and futureSafety Central Y6 | 5.4 DatabasesHow to search, contribute to and create databases for a purpose | 6.4 BloggingPlan and write a blog, consider the audience, understand control and approval needs.  |