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 Safety  Logging in and saving work. Sharing, using email, digital footprint. | 1.7 Tech outside school  Examples of technology in the community | 2.3 Spreadsheets  Copy and paste, totals, calculations and graphs | 2.6 Creating pictures  Using 2Paint to create patterns and art | 2.5 Effective searching  Search terminology and how to guide | 1.5 Maze Explorers  Coding – direction keys and algorithms |
| Year 3 and 4 | 3.2 Online safety  Passwords, blogging, safe websites and PEGI ratings | 3.7 Simulations  Exploring and analysing simulations | 3.4 Typing  Keyboard 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 4.1  Coding: loops, repeat, timers, nesting, if/else  Link to Literacy book in free code | 3.3 / part of 4.3  Spreadsheets – collecting data. Formula, graphing, tools  Linked to Maths Data |
| Year 5 and 6 | 6.2 Online safety  Benefits and risks, staying healthy (2 lessons)  6.7 Quizzing  Creating quiz using question types and a database | 5.6 3D modelling  CAD design | 6.5 Text adventures  Creating a story –  text-based and map-based | 6.6 Networks  WAN/LAN, school network, internet structure and future  Safety Central Y6 | 5.4 Databases  How to search, contribute to and create databases for a purpose | 6.4 Blogging  Plan and write a blog, consider the audience, understand control and approval needs. |