



Computing Yearly Overview

| | Autumn | | Spring | | Summer | |
|------------------|---|---|--|---|---|---|
| Nursery | Using Technology Safely Pupils learn to recognise who we can trust with information and how that links to the online world. | | Understanding the parts of a computer Pupils learn to recognise the different parts of a computer. | | Using Programming Devices Pupils use different types of devices & to give and follow instructions. | |
| Reception | I Am a Super Surfer Pupils will learn to recognise on and offline technology and how to use it safely with the help of trusted adults. | | Look What I Can Do Pupils will learn that information can be used and created using technology. | | I Am a Computer Scientist Pupils will learn cause and effect in computing. (I press this button – this is the result) | |
| Year 1 | Basic Computing Skills | Unit 2: Format Texts and images (Link to toys) | Understanding and building a basic algorithm | Unit 6: Producing digital media (Could link to a topic) | Programming, coding and Robotics | Unit 5: Digital painting (Link to Art topic) |
| Year 2 | What is a Computer? | Unit 5: Modifying text and images (Could link with another subject) | Unit 6: Staying Safe online (Cross curricular with Safer Internet Day) | Coding and algorithms | Programming with Scratch JR | Unit 4: Data collection and representation (Could link with Maths Unit) |
| Year 3 | Introduction to Scratch | Unit 1: Online Communication Link to PHSE topic | Prediction and debugging | Unit 4: Altering Media Link with Art topic | Creating Digital Music | Unit 5: Inside a computer (Link with History) |

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| Year 4 | Repetition and forever loops | Unit 6: Pixel artwork Link with Roman Mosaics | Designing a game | Unit 1: Branching Databases Link with Science | Special effects movie | Unit 5: Smarter searching and online safety Link with research in History/Geography |
| Year 5 | Using variables | Unit 1: Creating Search Databases Link with Science (Animals) | Coding Micro bits | Unit 4: Stop Motion Animation Link with Geography (World Trade) | 3D Modelling | Unit 5: The Internet and the WWW Link with research in Geography. |
| Year 6 | Creating formula | Unit 6: Social Media and Online Gaming Link with PSHE | Edublocks -Python | Unit 5: HTML Design a webpage Link with History, English or Geography | Programming a game | Unit 4: Create a podcast Link with leaving school project. |

CPD

Cross curricular