# Computing Long term overview

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Foundation (Links to development matters statements) | Link to 3 and 4 year olds- Understanding the world. Exploring how things work | Expressive Arts and Design · Introduction to the IWB drawing lines and exploring Explore, use and refine a variety of artistic effects to express their ideas and feelings. | Physical Development- drawing on the interactive whiteboard using the tools Develop their small motor skills so that they can use a range of tools competently, safely and confidently | Activities based on Personal social emotional development Show resilience and perseverance in the face of a challenge. Know and talk about the different factors that support their overall health and wellbeing: -sensible amounts of 'screen time'. | Ipads- Expressive art and design (paint) Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function | Ipads- Personal social emotional development (games) Be confident to try new activities and show independence, resilience and perseverance in the face of challenge |
| Year 1 | **Using technology purposefully – ipads** to take photos and selfies | **Using technology purposefully – ipads** Using the paint app to draw and explore | **Programming with purple mash** Fun with fish and bubbles | **Using technology purposefully – desktops** Mouse control to play games, drag and drop | **Using technology purposefully – desktops** Mouse control to manipulate the paint app | **Programming** beebots sequencing and instruction |
| Year 2 | **Using technology purposefully** – logging in and using the keyboard on ipads | **Programming with purple mash** Snail race, vehicles | **Using technology purposefully** – ipads on the numbers app | **Using technology purposefully –** desktops using paint and mouse control | **Programming** – scratch | **Introduction to Microsoft Word** The keyboard |
| Year 3 | **Microsoft Word** Bold italics, underlining and shortcut buttons | **Microsoft Word** Formatting text and aligning | **Microsoft Excel** introduction- typing in cells | **Microsoft Excel** Sorting data using filters | **Programming with purple mash** Guard the castle, princess and frog | **Programming-** logo |
| Year 4 | **Microsoft Word** Cutting, copying and pasting | **Microsoft Word** Wordart | **Microsoft Excel** charts, graphs and pie charts | **Microsoft Powerpoint** adding animations | **Programming with purple mash** Gibbon level- traffic light and genie | **Programming** – Spheros and Ipads |
| Year 5 | **Microsoft Word** Inserting a table | **Microsoft Excel** Aligning the cells Using formula to add | **Programming –** Flowol | **Programming –** Drones and ipads | **Using the internet** Google kids searching and discussion of reliability | **Microsoft Powerpoint** adding videos and audio |
| Year 6 | **Microsoft Word** headers and footers, changing the layout of the document | **Microsoft Powerpoint** slide transitions | **Microsoft Excel** using formula to multiply and divide | **Using the internet** Google searching and refining information found | **Programming-** interactive fairgrounds with operational circuit boards which need | **Programming-** imovie- design and make an imovie, cutting sound and video clips |

| | | | | | coding then applying to the ride. | |
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