



# Computing Long Term Plan



Year	Autumn	Spring	Summer
1	<p>Online Safety Grouping &amp; Sorting Pictograms Lego Builders</p>	<p>Maze Explorers Animated Stories Early stages of coding using beebots.</p>	<p>Coding Spreadsheets Technology Outside of School</p>
2	<p>Coding Children will explain that an algorithm is a set of instructions. Children will explain that for the computer to make something happen, it needs to follow clear instructions.</p> <p>Online Safety Children will use the search facility to refine searches on Purple Mash by year group and subject. The children will begin to understanding how things can be shared electronically for others to see.</p> <p>Now Press Play - Online Safety</p>	<p>Spreadsheets The children will explain what rows and columns are in a spreadsheet. The children will open, save and edit a spreadsheet. Children can add images from the image toolbox and allocate them a value. Children can add the count tool to count items.</p> <p>Effective Searching The children will recall the meaning of key internet terms. They will complete a quiz about the Internet</p>	<p>Creating Pictures The children will look at the impressionist style of art (Monet, Degas, and Renoir). They will explain what is meant by impressionist art. Children will use 2Paint to create art based upon this style.</p> <p>Presenting Ideas Children will examine a traditional tale presented as a mind map, as a quiz, as an e-book and as a fact file. They will know that digital content can be represented in many forms.</p>
3	<p>The children will be focusing on coding in their computing sessions. Children will design and write a program that accomplishes a specific goal.</p> <p>Children will focus on online safety and look at spreadsheets.</p>	<p>Children will work together to gain the Silver Hardware badge. Children will create a set of posters on different hardware parts e.g. monitor, keyboard and printer.</p> <p>Children will be looking at different methods of communication and becoming familiar with email. Children will also be looking at branching databases.</p>	<p>Children will about what computer simulations are and their advantages and problems. The children will also recognise patterns within simulations and make and test predictions.</p> <p>Children will enter data into a graph and answer questions. They will also solve an investigation and present the results in graphic form.</p>

4	Coding Online Safety Healthy relationships	Spreadsheets Animation	Effective Search Hardware Investigators
5	Online Safety and Coding Now Press Play - Online Safety Spreadsheets	Databases Game Creator	3D Modelling Concept maps
6	Coding Online Safety Spreadsheets	Blogging Text Adventures	Networks Quizzing