

## Computing – Year 4 - Long Term Plan

	National Curriculum Coverage	Assessment
Autumn	<p>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <ul style="list-style-type: none"> <li>Learning how to navigate the internet in an informed, safe and respectful way</li> </ul> <p>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <ul style="list-style-type: none"> <li>Using variables in coding</li> <li>Plugged and unplugged activities to develop the four areas of computational thinking</li> </ul>	<p><b><u>Online Safety</u></b></p> <ul style="list-style-type: none"> <li>Describing some of the methods used to persuade people to buy online .</li> <li>Being able to explain the difference between fact, opinion and belief and recognise these online.</li> <li>Children can describe strategies for being safe online and give examples of how to be respectful. They know how to respect the thoughts and beliefs of others.</li> </ul> <p><b><u>Further coding with Scratch</u></b></p> <ul style="list-style-type: none"> <li>An understanding of what a variable is and how to use the 'say' and 'ask' blocks</li> <li>use of a variable to record a score</li> </ul>
Spring	<p>understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</p> <ul style="list-style-type: none"> <li>Editing the HTML and CSS of a web page to change the layout of a website and the text and images</li> <li>Google Docs, Slides, Form and Sheet</li> </ul>	<p><b><u>Introduction to HTML</u></b></p> <ul style="list-style-type: none"> <li>Adding text between the heading and paragraph tags. Easily activating the goggles to investigate a web page.</li> <li>changing the colours of their object elements. Changing the sizes of some of the elements. Explaining how they created their story.</li> </ul>
Summer	<p>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p> <ul style="list-style-type: none"> <li>Researching and storing data using spreadsheets; designing a weather station which gathers and records data; learning how weather forecasts are made and using green screen technology to present a weather forecast</li> </ul>	<p><b><u>Investigating Weather</u></b></p> <ul style="list-style-type: none"> <li>Searching the web efficiently to find temperatures of different cities and recording this accurately.</li> <li>Designing an automated machine which uses selection to respond to sensor data.</li> <li>Creating a video which uses chroma keying and includes weather forecast information.</li> </ul>

select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

- Website creation and Google Sites.

**Website Design**

- Creating a clear plan for their web page and beginning to create it.
- Creating four web pages with a range of features in their website.