

## Computing Medium Term Plans

### Year 5



E-safety to be discussed weekly when technology is used throughout the year

Term	Units	Lesson Focus
Autumn 1	<b>E-safety</b>	<p>To choose a secure and safe password and screen name and know why this is important.</p> <p>To protect my password and other personal information and know why we should do so.</p> <p>To explain how to keep safe online and how we should report concerns to an adult.</p> <p>To know that anything I post online can be seen, used and may affect others.</p> <p>To talk about the dangers of spending too long online or playing a game.</p> <p>To explain the importance of communicating kindly and respectfully.</p>
Autumn 2	<b>Technology in our lives</b>	<p>To use different online communication tools for different purposes.</p> <p>To be able to use search engines to find appropriate information and check its reliability.</p> <p>To recognise and evaluate different types of information I find online.</p>

		<p>To know which resources on the Internet I can download and use and which resources are reliable.</p> <p>To describe the ways in which websites advertise their products to me.</p>
Spring 1	<b>Programming</b>	<p>To be able to split a problem into smaller parts, design an algorithm for a specific outcome and use this to write a program.</p> <p>To refine a procedure using repeat commands to improve a program.</p> <p>To be able to use a variable to increase programming possibilities.</p> <p>To change an input to a program to achieve a different output.</p> <p>To use logical reasoning to detect and debug mistakes in a program.</p>
Spring 2	<b>Handling Data</b>	<p>To be able to use a spreadsheet and database to collect and record data. (Excel.)</p> <p>To choose an appropriate tool to help me collect data. (Purple Mash, Excel.)</p> <p>To present data in an appropriate way independently.</p> <p>To be able to search a database using different operators to refine my search.</p> <p>To talk about mistakes in data and suggest how it could be checked.</p>

<p>Summer 1</p>	<p><b>Multimedia</b></p>	<p>To be able to use text, photo, sound and video editing tools to refine my work. (iMovie's.)</p> <p>To be able to use the skills I have already developed to create content using unfamiliar technology.</p> <p>To be able to select, use and combine the appropriate technology tools to create effects that will have an impact on others. (Publisher, Powerpoint, iMovie's...)</p> <p>To be able to select an appropriate online or offline tool to create and share ideas.</p> <p>To be able to review and improve my own work and support others to improve their work.</p>
<p>Summer 2</p>	<p><b>Revise and consolidate our learning regarding the five main computing areas.</b></p>	













