

## Computing at Nova Primary Academy

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn	<p><b>Grouping and Sorting</b> Sorting items on the computer using a range of criteria.</p> <p><b>Pictograms</b> Learn to represent data in a picture format. Use a pictogram to record data.</p> <p><b>Technology Outside of School</b> Find examples of technology in our local community.</p>	<p><b>Creating Pictures</b> Recreating artwork digitally using computer programs.</p>	<p><b>Coding</b> Learn what flowcharts are and how they can be used in computer programming.</p>	<p><b>Coding</b> Learn how to use co-ordinates and what variables are in programming.</p>	<p><b>Coding</b> Learn how algorithms are created and input to create games.</p>	<p><b>Coding</b> Use flowcharts, simulations and algorithms to design and create a playable game with a timer.</p>
Spring	<p><b>Maze Explorers</b> Learn about directional keys and debugging instructions.</p> <p><b>Spreadsheets</b> Learn what a spreadsheet program looks like and how to enter data into cells.</p>	<p><b>Spreadsheets</b> Copying and pasting into spreadsheets. Learn to use totalling tools.</p> <p><b>Making Music</b> Create music digitally using a computer program. Learn to explore, edit and combine sounds.</p>	<p><b>Spreadsheets</b> Learn to use more than, less than and equal to symbols. Produce a graph using data in a spreadsheet.</p> <p><b>Simulations</b> Explore and analyse different simulations.</p>	<p><b>Spreadsheets</b> Learn to format cells as currency, percentage, decimals or fractions. Learn to use the formula wizard.</p>	<p><b>Game Creator</b> Use and debug algorithms to design and create a playable game.</p>	<p><b>Spreadsheets</b> Investigate probability using spreadsheets. Calculate pricing and discount using spreadsheets.</p>
Summer	<p><b>Coding</b> Learn what instructions are and how to use code to make a computer program.</p>	<p><b>Coding</b> Learn what an algorithm is and use them to create a program.</p>	<p><b>Email</b> Learn about different types of communication. Open and respond to an email safely.</p>	<p><b>Animation</b> Learn to create animations digitally using stop motion.</p> <p><b>Logo</b> Input simple instructions into a program to create shapes.</p>	<p><b>Databases</b> Learn how to search for information in a database. Create a database around a chosen topic.</p>	<p><b>Blogging</b> Investigate features of a blog and understand how to write a blog post.</p> <p><b>Networks</b> Learn what a LAN and a WAN are and how the internet is accessed.</p>