


# Computing

<p><b>Early Years</b></p> <p>Interact with computers and computer equipment through games and play in order to develop familiarity.</p>	<p><b>Year 1</b></p> <p><b>Computer Science:</b> Children will explore algorithms as sets of instructions, using specific vocabulary.</p>	<p><b>Year 2</b></p> <p><b>Computer Science:</b> Children will continue to explore algorithms. Children will create and debug simple programs using Scratch Jr.</p>	<p><b>Year 3</b></p> <p><b>Computer Science:</b> Children will create their own computer game in Scratch, learning how to control visual interfaces. Children will learn how to break problems into manageable steps.</p>	
	<p>Children will programme BeeBots to complete a set route.</p> <p>Pupils will begin to explore Scratch Junior.</p>	<p><b>Digital Literacy:</b> Children will be able to express concerns they have about going online.</p> <p>Children will be able to demonstrate and explain safe and respectful use of technology.</p>	<p><b>Digital Literacy:</b> Children will understand how to use technology safely, respectfully and responsibly. Children will be able to use the internet to research, and evaluate the content of websites.</p>	<p><i>Computer Science: Algorithms, logic and coding.</i></p> <p><i>Digital Literacy: Safe use of technology in the world.</i></p> <p><i>Information Technology: Using software to achieve goals.</i></p>
	<p><b>Information Technology:</b> Children will create their own information page using Microsoft Word.</p>	<p>Children will understand the importance of keeping private information safe, and know key ways how to do this.</p>	<p><b>Information Technology:</b> Children will be able to create an information page using Microsoft Word, developing their skills in creating new documents, inserting images and textboxes and manipulating them on the page.</p>	<p><b>Year 4</b></p> <p><b>Computer Science:</b> Children will create their own computer game in Scratch, learning how to control visual interfaces.</p> <p><b>Digital Literacy:</b> Children will understand how to use technology safely, respectfully and responsibly. Children will be able to use the internet to research, and evaluate the content of websites.</p>
<p><b>Year 5</b></p> <p><b>Computer Science:</b> Children will develop use of Scratch to create algorithms. They will design and create their own game.</p>	<p><b>Digital Literacy:</b> Children will deepen their understanding of using technology responsibly and respectfully. They will learn the risks associated with online media.</p>	<p>Children will use websites to research and learn how to evaluate web content.</p> <p><b>Information Technology:</b> Children will use LearnPads to create TV adverts.</p>	<p>Children will learn how to use spread sheets to analyse and present data, including conditional formatting.</p>	
<p><b>Year 6</b></p> <p><b>Computer Science:</b> Children will develop use of Scratch to create algorithms. They will design and create their own game.</p>	<p><b>Digital Literacy:</b> Children will deepen their understanding of using technology responsibly and respectfully. They will learn the risks associated with online media.</p>	<p>Children will use websites to research and learn how to evaluate web content.</p> <p><b>Information Technology:</b> Children will use LearnPads to create TV adverts.</p>	<p>Children will learn how to use spread sheets to analyse and present data, including conditional formatting.</p>	<p><b>Information Technology:</b> Children will be able to create an information page using Microsoft Word, developing their skills in creating new documents, inserting images and textboxes and manipulating them on the page. This will culminate in a presentation.</p>