

# ICT Year 1

NC Objectives	Topic	Milestones 1
<p>Pupils should be taught to:</p> <ul style="list-style-type: none"> <li>understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions</li> <li>create and debug simple programs</li> <li>use logical reasoning to predict the behaviour of simple programs</li> <li>use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>recognise common uses of information technology beyond school</li> <li>use technology safely and respectfully, keeping personal information private; identify where to go</li> </ul>	<p><b>TERM 1</b></p> <p>Digital literacy Paint Microsoft Word</p> <p><b>TERM 2</b></p> <p>Computer Science</p> <p><b>TERM 3</b></p> <p>Coding Scratch</p>	<p><b>To code (using Scratch)</b></p> <p><b>Motion</b></p> <ul style="list-style-type: none"> <li>Control motion by specifying the number of steps to travel, direction and turn.</li> </ul> <p><b>Looks</b></p> <ul style="list-style-type: none"> <li>Add text strings, show and hide objects and change the features of an object.</li> </ul> <p><b>Sound</b></p> <ul style="list-style-type: none"> <li>Select sounds and control when they are heard, their duration and volume.</li> </ul> <p><b>Draw</b></p> <ul style="list-style-type: none"> <li>Control when drawings appear and set the pen colour, size and shape.</li> </ul> <p><b>Events</b></p> <ul style="list-style-type: none"> <li>Specify user inputs (such as clicks) to control events.</li> </ul> <p><b>Control</b></p> <ul style="list-style-type: none"> <li>Specify the nature of events (such as a single event or a loop).</li> </ul> <p><b>Sensing</b></p> <ul style="list-style-type: none"> <li>Create conditions for actions by waiting for a user input (such as responses to questions like: What is your name?)</li> </ul> <p><b>To Connect</b></p> <ul style="list-style-type: none"> <li>Participate in class social media accounts.</li> <li>Understand online risks and the age rules for sites.</li> </ul> <p><b>To Communicate</b></p> <ul style="list-style-type: none"> <li>Use a range of applications and devices in order to communicate ideas, work and messages.</li> </ul> <p><b>To Collect</b></p> <ul style="list-style-type: none"> <li>Use simple databases to record information in areas across the curriculum.</li> </ul>