

ICT Year 1

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