



# Computing Learning Milestones



Curriculum area \ Key Stage	End of Key Stage 1	End of Lower Key Stage 2	End of Upper Key Stage 2
<b>Computer Science</b>	<p>Understands algorithms must be precise, are repeatable and not always executed on digital devices.</p> <p>Designs simple programs, identifies errors in algorithms and uses trial and error to fix them.</p> <p>Can find different solutions.</p>	<p>Has begun to understand sequencing, repetition and selection.</p> <p>Can create, debug and explain a block language program with some user interaction.</p>	<p>Understands sequencing, selection, repetition, inputs and outputs in a variety of real contexts.</p> <p>Can develop, explain and debug programs, sometimes using a different programming language.</p>
<b>Information Technology</b>	<p>Understands that a variety of programs exist to create original content.</p> <p>Can create, edit, store, organise and retrieve their own content.</p>	<p>Understands different types of network, services provided by the internet and that searches can be selected, ranked and organised in different ways.</p> <p>Can independently create digital content, and collate and present data, selecting the most appropriate software themselves.</p>	<p>Can identify the different protocols that are needed within digital networks.</p> <p>Can critically analyse and evaluate the information retrieved by search results and the factors affecting this.</p> <p>Can collect, organise, present, analyse and evaluate data for a specific purpose.</p>
<b>Digital Literacy</b>	<p>Understands simple ways to protect personal and private information online.</p> <p>Understands how to communicate online, safely and considerately.</p> <p>Can report unsafe or inconsiderate online activity.</p>	<p>Understands the concept of a digital footprint and some potential consequences of online activity.</p> <p>Understands that online identities can be inaccurate or false.</p> <p>Recognises unsafe content and inappropriate activity, and identifies a variety of ways to report it.</p>	<p>Understands how to maintain a robust, safe and secure online presence.</p> <p>Understands how online content can be misleading or affected by bias.</p> <p>Understands how to legally, safely and fairly use others' content.</p> <p>Understands the potential consequences of sharing reportable online content.</p>