

Skills Progression for Computing

Strand	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Computer Science	<p>Create simple programs within an App.</p> <p>Work with various forms of input.</p>	<p>Understand that programs run by following precise instructions.</p> <p>Predict the behaviour of simple programs.</p> <p>Understand and use algorithms.</p>	<p>'Debug' simple programs.</p> <p>Work with various forms of output.</p>	<p>Work with variables.</p> <p>Create programs that accomplish specific goals.</p>	<p>'Debug' and improve programs that accomplish specific goals.</p> <p>Use repetition and selection in programs.</p>	<p>Control or simulate physical systems.</p> <p>Use randomness in code for purposeful effect.</p>	<p>Write code that performs calculations with variables.</p> <p>Design, create and test own app or website.</p>
Information Technology	<p>Use Apps to support learning</p>	<p>Use a variety of software to accomplish set goals.</p> <p>Use technology to create and store digital content.</p>	<p>Use the Internet effectively, including search technologies.</p> <p>Collect information and present it to someone else.</p> <p>Use technology to organise and manipulate digital content.</p>	<p>Create video as part of learning.</p> <p>Plan and create animation.</p> <p>Combine a variety of software to accomplish given goals.</p>	<p>Recognise how search results are selected and ranked.</p> <p>Create music / sound using technology.</p>	<p>Edit video, bringing together different media elements for purposeful effect</p> <p>Collect and analyse different types of data using technology.</p>	<p>Describe the hardware infrastructure that allows computers and networks to function.</p> <p>Explain how network services function, such as the World Wide Web and online storage.</p>
Digital Literacy	<p>Explain where to go for help when something on the Internet worries me.</p> <p>Type my name.</p>	<p>Use technology respectfully.</p> <p>Talk about uses of digital technology outside of school.</p> <p>Type and edit text for purpose with good accuracy.</p>	<p>Understand what personal information is and that it is best not to post it on the Internet.</p> <p>Type to achieve a specific goal, including accurate punctuation.</p> <p>Understand the need for rules to help stay safe online.</p>	<p>Recognise acceptable & unacceptable online behaviour.</p> <p>Identify a range of ways to report concerns about contact and content.</p>	<p>Respond to e-safety scenarios with sensible advice</p> <p>Be discerning in evaluating digital content.</p> <p>Edit and improve on-screen writing, including spell-check and thesaurus use.</p>	<p>Understand the concept of cyber bullying and what to do if I think it is occurring.</p> <p>Explain the concept of a 'digital footprint' and the problems it can create.</p>	<p>Use computer networks for communication and collaboration.</p> <p>Critically assess and cross-reference digital resources I have found.</p>