

Computing

End of FS (Reception)	Area of attainment	End of KS1 (Years 1 & 2)	End of LKS2 (Years 3 & 4)	End of UKS2 (Years 5 & 6)
<p>Understanding of the World</p> <p><u>Technology</u></p> <p>Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.</p>	<p>Computer Science</p>	<p>Understand what algorithms are</p> <p>How algorithms are implemented as programs on digital devices</p> <p>That programs execute by following precise and unambiguous instructions</p> <p>Create and debug simple programs</p> <p>Use logical reasoning to predict the behaviour of simple programs</p>	<p>Design and debug programs that accomplish specific goals</p> <p>Solve problems by decomposing them into smaller parts</p> <p>Use selection and repetition in programs</p> <p>Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p> <p>Appreciate how [search] results are selected and ranked</p>	<p>Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</p> <p>Use sequence, selection, and repetition in programs</p> <p>Work with variables and various forms of input and output</p> <p>Understand computer networks including the internet</p> <p>How computer networks can provide multiple services, such as the World Wide Web</p>
	<p>Information Technology</p>	<p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Use search technologies effectively</p> <p>Select and use a variety of software (including internet services) to design and create a range of content that accomplishes given goals, including collecting and presenting data and information</p>	<p>Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>
	<p>Digital Literacy</p>	<p>Recognise common uses of information technology beyond school</p> <p>Use technology safely and respectfully, keeping personal information private</p> <p>Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies</p>	<p>Use technology safely, respectfully and responsibly</p> <p>Recognise acceptable/unacceptable digital behaviour</p> <p>Identify a range of ways to report concerns about content and contact</p>	<p>Understand the opportunities [networks] offer for communication and collaboration</p> <p>Be discerning in evaluating digital content</p>