

## Computing Curriculum

This table shows the National Curriculum for Computing, mapped onto four themes:

- Understanding Technology
- Programming
- Digital Literacy
- E-Safety

	Understanding Technology	Programming	Digital Literacy	E-Safety
<b>KS1</b>	Recognise common uses of information technology beyond school.	<p>Understand what algorithms are; how they are implemented as programs on digital devices; and 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>	Use technology purposefully to create, organise, store, manipulate and retrieve digital content.	Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
<b>KS2</b>	Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.	<p>Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.</p> <p>Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.</p> <p>Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>	<p>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</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>	Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.

The content of this document was adapted from the Primary Computing Curriculum (<http://www.ccc-computing.org.uk/>) developed by The Cambridgeshire Education ICT Service (<http://www.theictservice.org.uk/>).

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