

Callow End CE Primary Computing Curriculum Lower Key Stage 2

Computer Science	Information Technology	Digital Literacy
<i>(How computers and computer systems work and how they are designed and programmed)</i>	<i>(the purposeful use of existing programs to develop products and solutions)</i>	<i>(the skills, knowledge and understanding needed in order to participate fully and safely in an increasingly digital world)</i>
<p style="color: red;">A - 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 style="color: red;">B - use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p> <p style="color: red;">C - use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p> <p style="color: red;">D - 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> <p style="color: green;">E - use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p> <p style="color: blue;">F - 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 style="color: green;">G - use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p>		

Long Term Overview: Year 3/4

Cycle	Autumn	Spring	Summer
A 2025-2026	Computer Systems and Networks – connecting computers (Yr 3) B D E F G	Programming A: Sequencing sounds A B C F	Data and Information: Branching Databases (Yr 3) F
B 2024-2025	Computer Systems and Networks – the Internet (Yr 4) B D E F G	Creating Media: Photo editing (Yr 4) E F G	Programming A: Repetition in shapes (Yr 4) A B C F