

Callow End CE Primary Computing Curriculum Upper 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: red;">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 5/6

Cycle	Autumn	Spring	Summer
A 2025- 2026	Computer Systems and Networks: Sharing Information (Yr 5) A B D F G	Programming A: Microbit - Data handling unit (Yr 5) https://microbit.org/lessons/data-handling-unit-summary/ A B D F	Data and Information: Spreadsheets (Y6) F
B 2024- 2025	Computer Systems and Networks: Communication (Yr 6) A D E F	Creating Media: Webpage creation (Yr 6) E F G	Programming B - Sensing (variables): Microbit (Yr 6) A B D F