



Cromwell Curriculum Computing Whole-School Sequencing

| Week | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|--------|--|---|---|---|---------------------------------------|---|-------------------------------|---|----------------------------------|----|-----------------------------------|----|---|----|----|----|---------------------------|----|----|----|---------------------------------|----|--|----|----|----|----|----|----|----|----|
| Year 1 | <u>Unit 1.1</u> Online Safety & Exploring Purple Mash | | | | <u>Unit 1.2</u> Grouping & Sorting | | <u>Unit 1.3</u> Pictograms | | <u>Unit 1.4</u> Lego Builders | | <u>Unit 1.5</u> Maze Explorers | | <u>Unit 1.6</u> Animated Story Books | | | | <u>Unit 1.7</u> Coding | | | | <u>Unit 1.8</u> Spreadsheets | | <u>Unit 1.9</u> Technology outside school | | | | | | | | |

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| Computer Science | Information Technology | Digital Literacy |
| <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> | <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> | <p>Recognise common uses of information technology beyond school.</p> <p>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.</p> |

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| Year 2 | Unit 2.1 Coding | | | | | Unit 2.2 Online Safety | | | Unit 2.3 Spreadsheets | | | | Unit 2.4 Questioning | | | | Unit 2.5 Effective Searching | | | Unit 2.6 Creating Pictures | | | | Unit 2.7 Making Music | | Unit 2.8 Presenting Ideas. | | | | | | |

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| Year 3 | Unit 3.1 Coding | | | | | | Unit 3.2 Online Safety | | | Unit 3.3 Spreadsheets | | | Unit 3.4 Touch Typing | | | Unit 3.5 Email | | | | | Unit 3.6 Branching Databases | | | Unit 3.7 Simulations | | Unit 3.8 Graphing | | | | | | |

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| <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>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>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> | <p>Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> |

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| Year 4 | Unit 4.1 Coding | | | | | | Unit 4.2 Online Safety | | | | Unit 4.3 Spreadsheets | | | | | | Unit 4.4 Writing for different audiences | | | | | Unit 4.5 Logo | | | Unit 4.6 Animation | | | Unit 4.7 Effective Search | | Unit 4.8 Hardware Investigators | | | |

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| Year 5 | Unit 5.1 Coding | | | | | | Unit 5.2 Online Safety | | Unit 5.3 Spreadsheets | | | | | | | Unit 5.4 Databases | | | | Unit 5.5 Game Creator | | | | Unit 5.6 3D Modelling | | | Unit 5.7 Concept Maps | | | | | |

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| Year 6 | Unit 6.1 Coding | | | | | | Unit 6.2 Online Safety | | Unit 6.3 Spreadsheets | | | | Unit 6.4 Blogging | | | | Unit 6.5 Text Adventures | | | Unit 6.6 Networks | | Unit 6.7 Quizzing | | | | | | | | | | |

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