


Computing

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Year 1</p> <p>CS - Computer Science DL – Digital Literacy IT – Information Technology</p>	<p>Unit 1.1 Online Safety Lesson 1 Safe Logins 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> <p>Unit 1.2 Grouping and Sorting 2 lessons Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.</p> <p>Unit 1.8 Spreadsheets (2 Calculate) 3 lessons Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>Unit 1.1 Online Safety Lesson 2 My Work Area Lesson 3 Purple Mash Topics and Tools 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> <p>Unit 1.4 Lego Builders 3 lessons Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.</p>	<p>National e-Safety Day Jessie and Friends (ThinkUKnow) 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> <p>Unit 1.5 Maze Explorers (2Go) 3 lessons Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.</p>	<p>Book Chicken Clicking 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> <p>Unit 1.7 Coding Unit (2 Code) 6 lessons Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.</p>	<p>Unit 1.9 Online Safety Technology Outside School 2 lessons 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> <p>Unit 1.3 Pictograms Unit (2 Count) 3 lessons Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>PSHE: 1Decision Computer Safety – Online bullying. 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> <p>Unit 1.6 Animated Stories (2Create a Story) 5 lessons Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>

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<p>Year 2</p> <p>CS - Computer Science DL – Digital Literacy IT – Information Technology</p>	<p>Unit 2.2 – Lesson 1 & 2 Online Safety 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. (Troll Stinks Book)</p> <p>Unit 2.1 Coding (2Code) Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and debug simple programs. Use logical reasoning to predict the behaviour of simple programs.</p>	<p>Unit 2.2 – Lesson 3 Online Safety & Book Troll Stinks 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> <p>Unit 2.3 Spreadsheets (2Calculate) Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>National e-Safety Day Lee and Kim (ThinkUKnow) 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> <p>Unit 2.4 Questioning (2Investigate/2Question) Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>Unit 2.5 – Lesson 1 & 2 Effective Searching 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> <p>Unit 2.7 Making Music (2Sequence) Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>Unit 2.5 – Lesson 3 Effective Searching 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> <p>Unit 2.6 Creating Pictures (2Paint a Picture) Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>	<p>PSHE: 1Decision Computer Safety – Image Sharing / Making Friends Online 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> <p>Unit 2.8 Presenting Ideas Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p>
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<p>Year 3</p> <p>CS - Computer Science</p> <p>DL – Digital Literacy</p> <p>IT – Information Technology</p>	<p>Unit 3.2 Online Safety Lesson 1</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 3.2 Spreadsheets (2 Calculate) 3 lessons</p> <p>To 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>Unit 3.7 Simulations (2 Simulate) 3 lessons</p> <p>To 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>Unit 3.2 Online Safety Lesson 2</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 3.4 Touch Typing (2Type) 4 lessons</p> <p>To 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>National e-Safety Day Kara, Winston and the Smart Crew (Internet Matters)</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 3.1 Coding (2Code) 6 lessons</p> <p>To 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>To use sequence, selection, and repetition in programs; work with variables and various forms of input and output.</p> <p>To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Unit 3.2 Online Safety Lesson 3</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 3.6 Branching Databases (2Questio) 4 lessons</p> <p>To 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>Unit 3.5 Email (Including online safety) 6 lessons</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 3.8 Graphing (2Graph) 3 lessons</p> <p>To 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>Book – But It’s Just a Game</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>PSHE: 1Decision Computer Safety – DeeDee’s Golden Rules, Computer Safety Declaration</p> <p>To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 3.9 Presenting (PowerPoint or Google Slides) 6 lessons</p> <p>To 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>
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<p>Year 4</p> <p>CS - Computer Science DL – Digital Literacy IT – Information Technology</p>	<p>Unit 4.2 Online Safety Lesson 1 To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 4.3 Spreadsheets (2Calculate) 6 lessons To 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>PSHE: 1Decision Computer Safety –Online Bullying To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 4.4 Writing for Different Audiences 5 lessons To 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>National e-Safety Day Bandrunner To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 4.1 Coding (2Code) 6 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Unit 4.2 Online Safety Lesson 2 To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 4.5 Logo (2Logo) 4 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Unit 4.2 Online Safety Lesson 3 & 4 To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 4.6 Animation (2Animate) 3 lessons To 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>Unit 4.7 Effective Searching 3 lessons To 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>Jigsaw e-Safety Clip (Jigsaw PSHE) To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 4.8 Hardware Investigators 2 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p> <p>Unit 4.9 Making Music (Busy Beats) 4 lessons To 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>
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<p>Year 5</p> <p>CS - Computer Science DL – Digital Literacy IT – Information Technology</p>	<p>Unit 5.2 Online Safety Lesson 1 To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 5.8 Word Processing (MS Word or Google Docs) 8 lessons (2 lessons Aut 2) To 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>PSHE: 1Decision Computer Safety – Image Sharing To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 5.4 Databases (2Investigate) 4 lessons To 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>National e-Safety Day To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 5.1 Coding (2Code) 6 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Unit 5.2 Online Safety Lesson 2 To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 5.3 Spreadsheets (2Calculate) 6 lessons To 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>Unit 5.2 Online Safety Lesson 3 To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 5.5 Game Creator (2DIY 3D) 5 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Lost Princess – Caught in the Web (BBC Newsround) To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 5.6 3D Modelling (2Design & Make) 4 lessons To 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>Unit 5.7 Concept Maps (2Connect) 4 lessons To 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>
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<p>Year 6</p> <p>CS - Computer Science DL – Digital Literacy IT – Information Technology</p>	<p>Unit 6.2 Online Safety 2 lessons To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 6.1 Coding (2Code) 6 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>PSHE: 1Decision Computer Safety – Making Friends Online To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 6.3 Spreadsheets (2Calculate) 5 lessons To 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>Unit 6.6 Networks 3 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>National e-Safety Day What Can I Trust Online? (Interland) To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 6.4 Blogging To 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>Unit 6.8 Understanding Binary To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Unit 6.5 Text Adventures 5 lessons To design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. To use sequence, selection, and repetition in programs; work with variables and various forms of input and output. To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Unit 6.7 Quizzing (2Quiz) 6 lessons To 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>Reality River (Interland) To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>Unit 6.9 Spreadsheets (Excel or Google Docs) 8 lessons To 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>
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