



Computing Long Term Planning Years 1-6

Purple Mash units			
	Term 1	Term 2	Term 3
Year 1	<p>Unit 1.1 Online Safety & Exploring Purple Mash/ Unit 1.9 Technology outside school -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. -recognise common uses of information technology beyond school</p>	<p>Unit 1.7 Coding -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 -use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Unit 1.6 Animated Story Books -use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>
Year 2	<p>Unit 2.1 Coding -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 Online Safety & Unit 2.5 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 - recognise common uses of information technology beyond school - use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Unit 2.8 Presenting Ideas -use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>
Year 3	<p>Unit 3.4 Touch Typing -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,</p>	<p>Unit 3.5 Email -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,</p>	<p>Unit 3.1 Coding -design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p>



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	including collecting, analysing, evaluating and presenting data and information	including collecting, analysing, evaluating and presenting data and information -use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	-use sequence, selection, and repetition in programs; work with variables and various forms of input and output -use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
Year 4	<p>Unit 4.6 Animation & 4.7 Effective searching</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 search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</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>Unit 4.1 Coding</p> <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>-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 4.4 Writing for different audiences</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>
Year 5	<p>Unit 5.5 Game Creator or Unit 5.4 Databases</p> <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>Unit 5.1 Coding</p> <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>Unit 5.3 Spreadsheets</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,</p>



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	<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 sequence, selection, and repetition in programs; work with variables and various forms of input and output -use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs -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>including collecting, analysing, evaluating and presenting data and information</p>
Year 6	<p>Unit 6.4 Blogging -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 -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 -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 -design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts -use sequence, selection, and repetition in programs; work with variables and various forms of input and output -use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs -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 6.3 Spreadsheets -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>



Hillside Primary School

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