



Computing whole school coverage

	Advent Term	Lent Term	Pentecost Term
Foundation Stage 1 Foundation stage 2	Communication and Language <ul style="list-style-type: none"> • Being Imaginative • Listen and Attention • Speaking • Understanding Expressive Art <ul style="list-style-type: none"> • Being Imaginative • Exploring and using Media 	Literacy <ul style="list-style-type: none"> • Reading • Writing Mathematics <ul style="list-style-type: none"> • Number • Shape, Space and Measure Physical Development <ul style="list-style-type: none"> • Health and Self-care 	PSED <ul style="list-style-type: none"> • Making relationships • Self-confidence and Self Awareness Understanding the world <ul style="list-style-type: none"> • People and Communities • Technology • The Worlds
Year 1	1.1 Online Safety & Exploring Purple Mash NC: 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 1.2 Grouping & Sorting NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content 1.3 Pictograms NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content	1.4 Lego Builders NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. 1.5 Maze Explorers NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. NC: Create and debug simple programs 1.6 Animated Story Books NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content	1.7 Coding NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. NC: Create and debug simple programs NC: Use logical reasoning to predict the behaviour of simple programs. NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content 1.8 Spreadsheets NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content 1.9 Technology Outside School Recognise common uses of information technology beyond school



<p>Year 2</p>	<p>2.1 Coding</p> <p>NC: 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>NC: Create and debug simple programs</p> <p>NC: Use logical reasoning to predict the behaviour of simple programs</p> <p>2.2 Online Safety</p> <p>NC: 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>2.3 Spreadsheets</p> <p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>2.4 Questioning</p> <p>NC Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>2.5 Effective Searching</p> <p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>NC: Recognise common uses of information technology beyond school</p> <p>2.6 Creating Pictures</p> <p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>2.7 Making Music</p> <p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>2.8 Presenting Ideas</p> <p>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>
<p>Year 3</p>	<p>3.1 Coding</p> <p>NC: 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>NC: Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p>3.2 Online Safety</p>	<p>3.4 Touch Typing</p> <p>NC: 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>3.5 Email</p> <p>NC: 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>3.7 Simulations</p> <p>NC: 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>3.8 Graphing</p> <p>NC: 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>NC: Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>3.3 Spreadsheets</p> <p>NC: 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>NC: 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>3.6 Branching Databases</p> <p>NC: 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>Year 4</p>	<p>4.1 Coding</p> <p>NC: 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>NC: Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p>4.2 Online Safety</p> <p>NC: Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>4.3 Spreadsheets</p> <p>NC: Select, use and combine a variety of software (including internet services) on a range of digital devices to design and</p>	<p>4.4 Writing for different audiences</p> <p>NC: 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>4.5 Logo</p> <p>NC: 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>NC: Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p>4.6 Animation</p>	<p>4.7 Effective Searching</p> <p>NC: Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p> <p>NC: 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>4.8 Hardware Investigators</p> <p>NC: 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>



	create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.	NC: 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.	
Year 5	<p>5.1 Coding</p> <p>NC: 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>NC: Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p>5.2 Online Safety</p> <p>NC: Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>5.3 Spreadsheets</p> <p>NC: 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>5.4 Databases</p> <p>NC: 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>5.5 Game Creator</p> <p>NC: 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>NC: 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>5.6 3D Modelling</p> <p>NC: 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>5.7 Concept Maps</p> <p>NC: 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 6	<p>6.1 Coding</p> <p>NC: Design, write and debug programs that accomplish specific goals, including controlling or simulating physical</p>	<p>6.4 Blogging</p> <p>NC: Understand computer networks, including the Internet; how they can provide multiple services,</p>	<p>6.6 Networks</p> <p>NC: Understand computer networks, including the Internet; how they can provide multiple services,</p>



	<p>systems; solve problems by decomposing them into smaller parts.</p> <p>NC: Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p> <p>NC: 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>6.2 Online Safety</p> <p>NC: Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <p>NC: Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p> <p>6.3 Spreadsheets</p> <p>NC: 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>such as the World Wide Web; and the opportunities they offer for communication and collaboration.</p> <p>NC: 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>NC: Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact*.</p> <p>6.5 Text Adventures</p> <p>NC: 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>NC: Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</p> <p>NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p>NC: 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>such as the World Wide Web; and the opportunities they offer for communication and collaboration.</p> <p>6.7 Quizzing</p> <p>NC: 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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