

Computing whole school coverage

	Advent Term	Lent Term	Pentecost Term
Foundation Stage 1 Foundation stage 2	Communication and Language <ul> <li>Being Imaginative</li> <li>Listen and Attention</li> <li>Speaking</li> <li>Understanding</li> </ul> <li>Expressive Art <ul> <li>Being Imaginative</li> <li>Exploring and using Media</li> </ul> </li>	Literacy <ul> <li>Reading</li> <li>Writing</li> </ul> <li>Mathematics <ul> <li>Number</li> <li>Shape, Space and Measure</li> </ul> </li> <li>Physical Development <ul> <li>Health and Self-care</li> </ul> </li>	<ul> <li>PSED         <ul> <li>Making relationships</li> <li>Self-confidence and Self Awareness</li> </ul> </li> <li>Understanding the world         <ul> <li>People and Communities</li> <li>Technology</li> <li>The Worls</li> </ul> </li> </ul>
Year 1	<ul> <li>1.1 Online Safety &amp; Exploring Purple Mash</li> <li>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</li> <li>1.2 Grouping &amp; Sorting</li> </ul>	<ul> <li>1.4 Lego Builders</li> <li>NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</li> <li>1.5 Maze Explorers</li> </ul>	<ul> <li>1.7 Coding</li> <li>NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</li> <li>NC: Create and debug simple programs</li> </ul>
	NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content <b>1.3 Pictograms</b> NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content	<ul> <li>NC: Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</li> <li>NC: Create and debug simple programs</li> <li><b>1.6 Animated Story Books</b></li> <li>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>	<ul> <li>NC: Use logical reasoning to predict the behaviour of simple programs.</li> <li>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>1.8 Spreadsheets</li> <li>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>1.9 Technology Outside School</li> <li>Recognise common uses of information technology beyond school</li> </ul>



Year 2	2.1 Coding	2.4 Questioning	2.7 Making Music
	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 Use technology purposefully to create, organise, store, manipulate and retrieve digital content <b>2.5 Effective Searching</b>	NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content <b>2.8 Presenting Ideas</b>
	<ul> <li>NC: Create and debug simple programs</li> <li>NC: Use logical reasoning to predict the behaviour of simple programs</li> <li>2.2 Online Safety</li> <li>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.</li> <li>2.3 Spreadsheets</li> </ul>	<ul> <li>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>NC: Recognise common uses of information technology beyond school</li> <li><b>2.6 Creating Pictures</b></li> <li>NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>	NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content
	NC: Use technology purposefully to create, organise, store, manipulate and retrieve digital content		
Year 3	3.1 Coding	3.4 Touch Typing	3.7 Simulations
	<ul> <li>NC: Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.</li> <li>NC: Use sequence, selection and repetition in programs; work with variables and various forms of input and output.</li> </ul>	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.	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.
		3.5 Email	3.8 Graphing
	<ul> <li>NC: Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</li> <li>3.2 Online Safety</li> </ul>	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.	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



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	NC: Use technology safely, respectfully and responsibly;	NC: Select, use and combine a variety of software	
	recognise acceptable/unacceptable behaviour; identify a	(including internet services) on a range of digital	
	range of ways to report concerns about content and	devices to design and create a range of programs,	
	contact.	systems and content that accomplish given goals,	
		including collecting, analysing, evaluating and	
		presenting data and information.	
	3.3 Spreadsheets		
		3.6 Branching Databases	
	NC: Select, use and combine a variety of software (including		
	internet services) on a range of digital devices to design and	NC: Select, use and combine a variety of software	
	create a range of programs, systems and content that	(including internet services) on a range of digital	
	accomplish given goals, including collecting, analysing,	devices to design and create a range of programs,	
	evaluating and presenting data and information.	systems and content that accomplish given goals,	
		including collecting, analysing, evaluating and	
		presenting data and information.	
Year 4	4.1 Coding	4.4 Writing for different audiences	4.7 Effective Searching
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	NC: Design, write and debug programs that accomplish	NC: Select, use and combine a variety of software	NC: Use search technologies effectively, appreciate
	specific goals, including controlling or simulating physical	(including internet services) on a range of digital	how results are selected and ranked, and be
	systems; solve problems by decomposing them into smaller	devices to design and create a range of programs,	discerning in evaluating digital content.
	parts.	systems and content that accomplish given goals,	
		including collecting, analysing, evaluating and	NC: Understand computer networks, including the
	NC: Use sequence, selection and repetition in programs;	presenting data and information.	Internet; how they can provide multiple services, such
	work with variables and various forms of input and output.		as the World Wide Web; and the opportunities they
		4.5 Logo	offer for communication and collaboration.
	NC: Use logical reasoning to explain how some simple		
	algorithms work and to detect and correct errors in	NC: Design, write and debug programs that	4.8 Hardware Investigators
	algorithms and programs.	accomplish specific goals, including controlling or	
		simulating physical systems; solve problems by	NC: Understand computer networks, including the
	4.2 Online Safety	decomposing them into smaller parts.	Internet; how they can provide multiple services, such
			as the World Wide Web; and the opportunities they
	NC: Use technology safely, respectfully and responsibly;	NC: Use sequence, selection and repetition in	offer for communication and collaboration.
	recognise acceptable/unacceptable behaviour; identify a	programs; work with variables and various forms of	
	range of ways to report concerns about content and	input and output.	
	contact.		
		NC: Use logical reasoning to explain how some	
	4.3 Spreadsheets	simple algorithms work and to detect and correct	
		errors in algorithms and programs.	
	NC: Select, use and combine a variety of software (including		
	internet services) on a range of digital devices to design and	4.6 Animation	



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



systems; solve problems by decomposing them into smaller	such as the World Wide Web; and the opportunities	such as the World Wide Web; and the opportunities
parts.	they offer for communication and collaboration.	they offer for communication and collaboration.
NC: Use sequence, selection and repetition in programs;	NC: Select, use and combine a variety of software	6.7 Quizzing
work with variables and various forms of input and output.	(including internet services) on a range of digital	
	devices to design and create a range of programs,	NC: Select, use and combine a variety of software
NC: Use logical reasoning to explain how some simple	systems and content that accomplish given goals,	(including internet services) on a range of digital
algorithms work and to detect and correct errors in	including collecting, analysing, evaluating and	devices to design and create a range of programs,
algorithms and programs	presenting data and information	systems and content that accomplish given goals,
NC: Calast was and asymbics a variate of astronom (including	NC: Use technology of the mean of the soul	including collecting, analysing, evaluating and
NC: Select, use and combine a variety of software (including internet services) on a range of digital devices to design and	NC: Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable	presenting data and information
create a range of programs, systems and content that	behaviour; identify a range of ways to report	
accomplish given goals, including collecting, analysing,	concerns about content and contact*.	
evaluating and presenting data and information.	concerns about content and contact .	
	6.5 Text Adventures	
6.2 Online Safety		
	NC: Design, write and debug programs that	
NC: Use technology safely, respectfully and responsibly;	accomplish specific goals, including controlling or	
recognise acceptable/unacceptable behaviour; identify a	simulating physical systems; solve problems by	
range of ways to report concerns about content and	decomposing them into smaller parts.	
contact.		
	NC: Use sequence, selection and repetition in	
NC: Use search technologies effectively, appreciate how	programs; work with variables and various forms of	
results are selected and ranked, and be discerning in	input and output.	
evaluating digital content.	NC: Use logical reasoning to explain how some	
	simple algorithms work and to detect and correct	
6.3 Spreadsheets	errors in algorithms and programs.	
NC: Select, use and combine a variety of software (including	NC: Select, use and combine a variety of software	
internet services) on a range of digital devices to design and	(including internet services) on a range of digital	
create a range of programs, systems and content that	devices to design and create a range of programs,	
accomplish given goals, including collecting, analysing,	systems and content that accomplish given goals,	
evaluating and presenting data and information.	including collecting, analysing, evaluating and	
	presenting data and information.	