

# Pirbright Village Primary School

## Coverage in Computing



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>YEAR 1</b>						
<b>Topic</b>	<b>Earth, Wind &amp; Fire</b>		<b>Far, Far Away</b>		<b>Nurturing Nature</b>	
	Online Safety	Exploring Purple Mash Using Technology Purposefully	Using Technology Purposefully	Using Technology Purposefully Programming	Coding	Coding
<b>Computing</b>	Use technology purposefully to create, organise, store, manipulate and retrieve digital content  Recognise common uses of information technology beyond 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.		Use technology purposefully to create, organise, store, manipulate and retrieve digital content  Recognise common uses of information technology beyond 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.		create and debug simple programs  understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions  use logical reasoning to predict the behaviour of simple programs	
<b>YEAR 2</b>						
<b>Topic</b>	<b>Passport to the World</b>		<b>Living, Dead and Never Been Alive</b>		<b>Victorians</b>	
	Online Safety Effective Searching		Spreadsheets Questioning		Coding	
<b>Computing</b>	use technology purposefully to create, organise, store, manipulate and retrieve digital content  <i>Develop their word processing skills to create instructions, powerpoints and conduct research.</i>		use technology purposefully to create, organise, store, manipulate and retrieve digital content  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  <i>Changing font and inserting pictures Mary Anning research Minibeast research</i>		understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions use logical reasoning to predict the behaviour of simple programs  create and debug simple programs	

YEAR 3					
Topic	Clubs and Cavemen		Exhilarating Egyptians		Engaging Environments
	Online Safety	Touch Typing Search Engines	Coding	Spreadsheets Presenting Information	CAD
<b>Computing</b>	<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> <p>use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</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>select, use and combine a variety of software (including internet services) on a range of digital devices</p> <p>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>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 4					
Topic	Cracking Contraptions & Extreme Earth		Myths and Legends		Should we thank the Romans for invading Britain?
	Online Safety	Coding	Effective searching	Animation	Introduction to AI Microbits
<b>Computing</b>	<p>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</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 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>select, use and combine a variety of software 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>select, use and combine a variety of software 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>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>	

YEAR 5						
Topic	To Infinity and Beyond	In Your Imagination	Journey Around the World	The Diversity of Life	Raiders & Invaders	
	Online Safety	Coding	Spreadsheets Digital Mapping		Databases	Microbits CAD
<b>Computing</b>	<p>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p> <p>use sequence, selection, and repetition in programs; work with variables and various forms of input and output - programming</p> <p>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs – algorithms and errors</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 – adapting programmes</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>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 sequence, selection, and repetition in programs; work with variables and various forms of input and output - programming</p> <p>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs – algorithms and errors</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 – adapting programmes</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>			
YEAR 6						
Topic	To Be a Child in World War II		Celebrating Me		Visit to Central and South America	
	Online Safety Research and presenting		Blogging	Coding	Text adventures	Spreadsheets
<b>Computing</b>	<p>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</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>use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</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 – algorithms and errors</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 – adapting programmes</p>		<p>use sequence, selection, and repetition in programs; work with variables and various forms of input and output.</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>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>	

