



Computing Long Term Plan -Enquiry Questions



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year One	How can I log on and off on the computer?	How does Smartie the Penguin help us to stay safe on the computer?	What is an algorithm?		How can I use technology to combine text with photographs, graphics and drawings?	
Year Two	How can I use the computer safely?			How can I use the computer safely? What is an algorithm?		How can I use the computer safely? How can I create a presentation with sound?
Year Three	How do I stay safe online?	How do you program a sprite?	How do computers connect to make networks?	How do you organise data?	How do you make a branching story presentation?	
Year Four	Can I create a range of different word documents?	I know how to prevent and deal with cyberbullying.	I know how to prevent and deal with cyberbullying.	What is the Internet?	Can I code a maths quiz program?	Can I use technology to gather data?
Year Five	How can I use a search engine effectively?	How can I stay safe online?	What makes an effective video?	What makes an effective video?	How do we control devices?	How do we organise data?
Year Six	How can I control a game's environment?	How can I organise and analyse information?	How does hardware help us to communicate?	How can I control a physical device using code?	How can I control a physical device using code?	How can I take responsibility for online safety?



Year One	Autumn Term How can I log on and off on the computer? How does Smartie the Penguin help us to stay safe on the computer?		Spring Term What is an algorithm?		Summer Term How can I use technology to combine text with photographs, graphics and drawings?	
	How can I log on and off on the computer?	How does Smartie the Penguin help us to stay safe on the computer?	What is an algorithm?		How can I use technology to combine text with photographs, graphics and drawings?	
	To recognise common uses of information technology beyond school To 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.	To 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.	To 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		To use technology purposefully to create, organise, store, manipulate and retrieve digital content	

Year Two	Autumn Term How can I use the computer safely?		Spring Term How can I use the computer safely? What is an algorithm?		Summer Term How can I use the computer safely? How can I create a presentation with sound?	
	To recognise common uses of information technology beyond school To 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.			To 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		To use technology purposefully to create, organise, store, manipulate and retrieve digital content

Year Three	Autumn Term How do I stay safe online? How do you program a sprite?		Spring Term How do computers connect to make networks? How do you organise data?		Summer Term How do you make a branching story presentation?	
	To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report	To design, write and debug programs that accomplish specific goals, including controlling or simulating physical	To use logical reasoning to explain how some simple algorithms work and to detect and correct	To select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a	To select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a	

	concerns about content and contact.	<p>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>errors in algorithms and programs</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 (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>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</p>	<p>range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p>	
--	-------------------------------------	---	---	---	--	--

Year Four	<p>Autumn Term</p> <p>Can I create a range of different word documents?</p> <p>I know how to prevent and deal with cyberbullying.</p>	<p>Spring Term</p> <p>I know how to prevent and deal with cyberbullying.</p> <p>What is the Internet?</p>	<p>Summer Term</p> <p>Can I code a maths quiz program?</p> <p>Can I use technology to gather data?</p>			
	To select, use and combine a variety of	To use technology safely, respectfully and	To use technology safely, respectfully and	To understand computer networks	To design, write and debug programs that	Use sequence, selection, and

	<p>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>responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>	<p>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>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>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>repetition in programs; work with variables and various forms of input and output</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 Five	Autumn Term How can I use a search engine effectively? How can I stay safe online?		Spring Term What makes an effective video?		Summer Term How do we control devices? How do we organise data?	
	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	To use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.	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 To use technology safely, respectfully and responsibly	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 To use technology safely, respectfully and responsibly	To 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 To use technology safely, respectfully and responsibly
Year Six	Autumn Term How can I control a game's environment? How can I organise and analyse information?		Spring Term How does hardware help us to communicate? How can I control a physical device using code?		Summer Term How can I take responsibility for online safety?	

	<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>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>To 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 (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>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>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>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 technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p>
--	--	---	---	--	--	--