Long Term Music Curriculum Plan with National Curriculum links 2024/25

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Year	Unit 1	Unit 2	Unit 3	Unit 4
Group				
N&R	Computing	Programming 1:	Computing	Data handling:
	systems and	All about	systems and	Introduction to
	networks 1:	instructions	networks 2:	data
	Using a		Exploring	
	computer		hardware	
	Physical Development	-Understand how to	-Learn new vocabulary.	Communication and
	-Develop their small motor	listen carefully and why	-Use new vocabulary	Language
	skills so that they can use a	listening is important.	throughout the day.	-Articulate their thoughts
	range of tools	-Describe events in some	-Ask questions to find	and ideas in well-formed
	competently, safely and	detail.	out more and to check	sentences.
	confidently	-Use talk to help work	they understand what	-Use talk to help work out
	,	our problems and	has been	problems and organise
	Literacy	organise thinking and	said to them.	thinking and activities, and
	-Spell words by identifying	activities, and	-Articulate their	to explain how things
	the sounds and then writing	to explain how things	thoughts and ideas in	work and why they might
	the sounds	work and why they	well-formed sentences.	happen.
	with letter/s.	might happen.	-Use talk to help work	
	-Re-read what they have	Personal, Social and	out problems and	
	written to check that it	Emotional Development	organise thinking and	
	makes sense.	-ELG: Self-Regulation>	activities and	
	Mathematics	Give focused attention	to explain how things	
	-Link the number symbol	to what the teacher says,	work and why they	
	(numeral) with its cardinal	responding	might happen.	
	number value	appropriately even when	Personal, Social and	
		engaged in activity, and	Emotional Development	
		show an ability to	-See themselves as a	
		follow instructions	valuable individual.	
		involving several ideas or	Physical Development	
		actions.	-Develop their small	
			motor skills so that they	
			can use a range of tools	
			competently, safely and	
			confidently.	
			-Confidently and safely	
			use a range of large and	
			small apparatus indoors	
			and	
			outside, alone and in a	
			group.	

1	Computing	Programming 1:	Creating media:	Programming 2:	Online safety:
_	systems and	Algorithms	Digital imagery	Bee-Bot	Year 1
	networks:	unplugged	Digital inagery	566 561	l cui i
	Improving	anplugged			
	mouse skills				
		Understand what	Uso logical reasoning to	Understand what	December uses of
	Use technology		Use logical reasoning to	Understand what	Recognise common uses of
	purposefully to create,	algorithms are, how they	predict the behaviour of	algorithms are, how they	information technology
	organise, store, manipulate	are implemented as	simple programs.	are implemented as	beyond school.
	and retrieve digital content.	programs on digital		programs on digital	
		devices and that	Use technology	devices and that programs	Use technology safely and
	Use technology safely and	programs execute by	purposefully to create,	execute by following	respectfully, keeping
	respectfully, keeping	following precise and	organise, store,	precise and unambiguous	personal information
	personal information	unambiguous	manipulate and retrieve	instructions.	private; identify where to
	private; identify where to	instructions.	digital content.		go for help and support
	go for help and support			Create and debug simple	when they have concerns
	when they have concerns	Create and debug simple		programs.	about content or contact on
	about content or contact on	programs.			the internet or other online
	the internet or other online			Use logical reasoning to	technologies.
	technologies.			predict the behaviour of	
				simple programs.	
2	Computing	Programming 1:	Data handling:	Programming 2:	Online Safety:
	systems and	Algorithms and	International	ScratchJr	Year 2
	networks 1:	debugging	Space Station		
	What is a				
	computer?				
	Understand what	Understand what	Understand what	Understand what	Use technology
	algorithms are; how they	algorithms are; how they	algorithms are; how they	algorithms are; how they	purposefully to create,
	are implemented as	are implemented as	are implemented as	are implemented as	organise, store, manipulate
	programs on digital devices;	programs on digital	programs on digital	programs on digital	and retrieve digital content.
	and that programs execute	devices; and that	devices; and that	devices; and that	
	by following precise and	programs execute by	programs execute by	programs execute by	Use technology safely and
	unambiguous instructions.	following precise and	following precise and	following precise and	respectfully, keeping
	_	unambiguous	unambiguous	unambiguous instructions.	personal information
	Recognise common uses of	instructions.	instructions.		private; identify where to
	information technology				go for help and support
	beyond school.	Create and debug simple	Use technology	Use logical reasoning to	when they have concerns
	·	programs.	purposefully to create,	predict the behaviour of	about content or contact on
			organise, store,	simple programs.	the internet or other online
		Use logical reasoning to	manipulate and retrieve	F - F - O	technologies.
		predict the behaviour of	digital content.	Use technology	
		simple programs.	2.6.2.	purposefully to create,	
		Sp.c programs.		organise, store,	
				manipulate and retrieve	
				digital content.	
		I		uigitai content.	

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3	Computing systems and networks 1: Networks	Computing systems and networks 3: Journey inside a	Creating media: Video trailers	Programming: Scratch	Online safety: Year 3
		computer			
	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. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.	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.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. 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	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. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. 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.
4	Computing systems and networks: Collaborative learning	Programming 1: Further coding with Scratch	Data handling: Investigating weather	data and information. Programming 2: Computational thinking	Online safety: Year 4
	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.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by	Use sequence, selection, and repetition in programs; work with variables and various forms of input and output.	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.	Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.

	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.	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. 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. 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.
5	Computing systems and networks: Search engines	Data handling: Mars Rover 1	Creating media: Stop motion animation - Stop Motion Studio	Programming 1: Music - Sonic Pi	Online safety 5
	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. Use search technologies effectively, appreciate how results are selected and	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	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	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 search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range

	ranked, and be discerning in evaluating digital content.	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.	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.	of ways to report concerns about content and contact.
6	Computing systems and networks: Bletchley Park and the history of computers	Data handling: Big Data 1	Computing systems and networks: AI (to be updated October 2024)	Programming: Intro to Python	Online safety: Year 6
	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.	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.		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. 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.	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. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.