

Computing Curriculum 2019-2010



	Autumn		Spring		Summer		
Year 1	My Online Life (2 lessons)	My Online Life (2 lessons)	My Online Life (1 lesson)	My Online Life (1 lesson)	My Online Life (1 lesson)	My Online Life (1 lesson)	
	What is a computer ? Introduce using Busy Publisher/Paint/SeeSaw		My Friend the Robot **Link to using coding apps e.g BeeBot, Lego Fix Factory	Modern Tales	Minibeasts	Drawing Maths	Animate with Shapes
		My Online Life (2 lessons)	My Online Life (1 lesson)	My Online Life (1 lessons)	My Online Life (2 lessons)	My Online Life (2 lessons)	
Year 2	Online Buddies	Story Land		Code a Story	Heads Up	Making Games	
				J2e Code Drawing Shapes	Busy Things Code	Maths Madness	
Year 3	My Online Life (2 lessons)		My Online Life (2 lessons)	My Online Life (1 lesson)	My Online Life (2 lessons)	My Online Life (1 lessons)	
	Keyboard Adventures	My Online Detective	Dancing Robot	Rainforests	Programming with Robots	T-shirt Designer	
Year 4		My Online Life (2 lessons)	My Online Life (1 lesson)	My Online Life (2 lessons)	My Online Life (2 lessons)	My Online Life (1 lesson)	
	Real or Fake?	Hour of Code	Hour of Code	Wizard School	Games Designer	Dinosaurs	
Year 5		My Online Life (2 lessons)	My Online Life (1 lesson)	My Online Life (2 lessons)	My Online Life (2 lessons)	My Online Life (1 lesson)	
	Youtuber	Music Composer	Podcaster	Lost in Space	Girls vs Boys Steam Challenges	Making AR Games	
Year 6	My Online Life (2 lessons)	My Online Life (2 lessons)	My Online Life (1 lesson)		My Online Life (1 lesson)	My Online Life (2 lesson)	
	Quiz Show Host Maths Solve It Club	Crossy Roads		Online Safety Dilemmas	VR Worlds	Coding Playground	



Year 1 Curriculum Map

Autumn	Spring	Summer
<p style="text-align: center;">My Online Life</p> <ul style="list-style-type: none"> 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 style="text-align: center;">What is a computer?</p> <ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content Recognise common uses of information technology beyond school 	<p style="text-align: center;">My Friend the Robot</p> <ul style="list-style-type: none"> Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions <ul style="list-style-type: none"> Create and debug simple programs 	<p style="text-align: center;">Drawing Maths</p> <ul style="list-style-type: none"> Use logical reasoning to predict the behaviour of simple programs Use technology purposefully to create, organise, store, manipulate and retrieve digital content
	<p style="text-align: center;">Modern Tales</p> <ul style="list-style-type: none"> 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. 	<p style="text-align: center;">Mini beasts</p> <ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content
<ul style="list-style-type: none"> 		<p style="text-align: center;">Animate with Shapes</p> <ul style="list-style-type: none"> Use logical reasoning to predict the behaviour of simple programs <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital</p>



Year 2 Curriculum Map

Autumn	Spring	Summer
<p style="text-align: center;">My Online Life</p> <ul style="list-style-type: none"> 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 style="text-align: center;">Online Buddies</p> <ul style="list-style-type: none"> 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 style="text-align: center;">Code a Story</p> <ul style="list-style-type: none"> Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions <ul style="list-style-type: none"> Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs <ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content 	<p style="text-align: center;">Making Games</p> <ul style="list-style-type: none"> Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions <ul style="list-style-type: none"> Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs <ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content
<p style="text-align: center;">Story Land</p> <ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content 		<p style="text-align: center;">Heads Up</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Use logical reasoning to predict the behaviour of simple programs
	<p style="text-align: center;">J2e Code – Drawing Shapes</p> <ul style="list-style-type: none"> Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions <ul style="list-style-type: none"> Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs 	<p style="text-align: center;">Maths Madness</p> <ul style="list-style-type: none"> Use logical reasoning to predict the behaviour of simple programs <ul style="list-style-type: none"> Use technology purposefully to create, organise, store, manipulate and retrieve digital content
		<p style="text-align: center;">Busy Code</p> <ul style="list-style-type: none"> Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions <ul style="list-style-type: none"> Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs



Year 3 Curriculum Map

Autumn	Spring	Summer
<p style="text-align: center;">My Online Life</p> <ul style="list-style-type: none"> 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 search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 		
<p style="text-align: center;">Keyboard Adventures</p> <p>Develop and master keyboard skills</p>	<p style="text-align: center;">Dancing Robot</p> <ul style="list-style-type: none"> 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 	<p style="text-align: center;">Programming with Robots</p> <ul style="list-style-type: none"> 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
<p style="text-align: center;">Online Detectives</p> <ul style="list-style-type: none"> 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 	<p style="text-align: center;">Rainforests</p> <ul style="list-style-type: none"> 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. 	<p style="text-align: center;">T shirt Designer</p> <ul style="list-style-type: none"> 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 search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content



Year 4 Curriculum Map

Autumn	Spring	Summer
<p style="text-align: center;">My Online Life</p> <ul style="list-style-type: none"> 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. 		
<p style="text-align: center;">Real or Fake</p> <ul style="list-style-type: none"> 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 	<p style="text-align: center;">Hour of Code</p> <ul style="list-style-type: none"> 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 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	<p style="text-align: center;">Games Designer</p> <ul style="list-style-type: none"> 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 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
<p style="text-align: center;">Hour of Code</p> <ul style="list-style-type: none"> 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 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	<p style="text-align: center;">Wizard School</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 style="text-align: center;">Dinosaurs</p> <ul style="list-style-type: none"> 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.



Year 5 Curriculum Map

Autumn	Spring	Summer
<p style="text-align: center;">My Online Life</p> <ul style="list-style-type: none"> • Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. • Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 		
<p style="text-align: center;">Youtuber</p> <ul style="list-style-type: none"> • 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. 	<p style="text-align: center;">Podcaster</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Girls vs Boys Steam Challenges</p> <ul style="list-style-type: none"> • Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts • 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 style="text-align: center;">Music Composer</p> <ul style="list-style-type: none"> • 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 style="text-align: center;">Lost in Space</p> <ul style="list-style-type: none"> • 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 	<p style="text-align: center;">Making AR Games</p> <ul style="list-style-type: none"> • 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



Year 6 Curriculum Map

Autumn	Spring	Summer
<p style="text-align: center;">My Online Life</p> <ul style="list-style-type: none"> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content 		
<p style="text-align: center;">Crossy Roads</p> <ul style="list-style-type: none"> 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 		<p style="text-align: center;">VR Worlds</p> <ul style="list-style-type: none"> 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
<p style="text-align: center;">Quiz Show Host</p> <ul style="list-style-type: none"> 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 search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content <p style="text-align: center;">Maths Solve It Club</p> <ul style="list-style-type: none"> 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 style="text-align: center;">Online Safety Dilemmas</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 style="text-align: center;">Coding Playground</p> <ul style="list-style-type: none"> 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

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