

# Subject Map for National Curriculum Objectives: Computing

National Curriculum Subject: Computing							
		National Curriculum Objective					
		Block 1	Block 2	Block 3	Block 4	Block 5	Block 6
KS1	Y1	<p><b><u>E-safety</u></b></p> <p>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>	<p><b><u>Video and animation</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p><b>E- Safety Element</b></p>	<p><b><u>Digital Research</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p>Recognise common uses of information technology beyond school.</p> <p><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></p> <p>Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</p> <p>Create and debug simple programs.</p> <p>Use logical reasoning to predict the behaviour of simple programs.</p> <p><b>E- Safety Element</b></p>	<p><b><u>Audio and Visual Vlogging</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p><b>E- Safety Element</b></p>	<p><b><u>Data Handling</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p><b>E- Safety Element</b></p>
	Y2	<p><b><u>E-safety</u></b></p> <p>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>	<p><b><u>Text and Picture</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p><b>E- Safety Element</b></p>	<p><b><u>Digital Research</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p>Recognise common uses of information technology beyond school.</p> <p><b>E- Safety Element</b></p>	<p><b><u>Video and Animation</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></p> <p>Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</p> <p>Create and debug simple programs.</p> <p>Use logical reasoning to predict the behaviour of simple programs.</p> <p><b>E- Safety Element</b></p>	<p><b><u>Data Handling</u></b></p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p><b>E- Safety Element</b></p>

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Lower KS2	Y3	<p><b><u>Text and Multimedia Image</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Digital Research</u></b></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 style="text-align: center;"><b>E- Safety Element</b></p>	<p><b><u>Text and Multimedia Image</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Video and Animation</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></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 logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p style="text-align: center;"><b>E- Safety Element</b></p>	<p><b><u>Data Handling</u></b></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;"><b>E- Safety Element</b></p>
	Y4	<p><b><u>Digital Research and Presentation</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Text and Multimedia Image</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></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 logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p>	<p><b><u>Programming</u></b></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 logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p style="text-align: center;"><b>E- Safety Element</b></p>	<p><b><u>Video and Animation</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Data Handling</u></b></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;"><b>E- Safety Element</b></p>

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				<b>E- Safety Element</b>			
Upper KS2	Y5	<p><b><u>Text and Multimedia Image</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Text and Multimedia Image</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Data Handling and Programming</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Data Handling</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></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 logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p style="text-align: center;"><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></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 style="text-align: center;"><b>E- Safety Element</b></p>

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Y6	<p><b><u>Data Handling</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></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 logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p style="text-align: center;"><b>E- Safety Element</b></p>	<p><b><u>Programming</u></b></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 logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.</p> <p style="text-align: center;"><b>E- Safety Element</b></p>	<p><b><u>Text and Multimedia Image</u></b></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;"><b>E- Safety Element</b></p>	<p><b><u>Video and Animation/Text and multimedia Image</u></b></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>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;"><b>E- Safety Element</b></p>	<p><b><u>Video and Animation/Text and multimedia Image</u></b></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>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;"><b>E- Safety Element</b></p>
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