



The Sherwood School Computing Curriculum Map

	Understanding Technology	Programming	Digital Literacy	E-safety
EYFS	<p>Understanding the World People Culture and Communities ELG</p> <p>Children at the expected level of development will:</p> <ul style="list-style-type: none"> Describe their immediate environment using knowledge from observation, discussion, stories, non-fiction texts, and maps; Know some similarities and differences between different religious and cultural communities in this country, drawing on their experiences and what has been read in class; Explain some similarities and differences between life in this country and life in other countries, drawing on knowledge from stories, non-fiction texts and – when appropriate – maps. 	<p>Communication and Language Listening, Attention and Understanding ELG</p> <p>Children at the expected level of development will:</p> <ul style="list-style-type: none"> Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions; Make comments about what they have heard and ask questions to clarify their understanding; Hold conversation when engaged in back-and-forth exchanges with their teacher and peers. <p>Physical Development Fine Motor Skills ELG</p> <p>Children at the expected level of development will:</p> <ul style="list-style-type: none"> Hold a pencil effectively in preparation for fluent writing – using the tripod grip in almost all cases; Use a range of small tools, including scissors, paint brushes and cutlery; Begin to show accuracy and care when drawing. 	<p>Expressive Arts and Design Creating with Materials ELG</p> <p>Children at the expected level of development will:</p> <ul style="list-style-type: none"> Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form, and function; Share their creations, explaining the process they have used; Make use of props and materials when role playing characters in narratives and stories. <p><i>NB: Aspects of almost all of the other ELGs could be enhanced or evidenced through the use of technology e.g through the use of eBooks and recording devices etc.</i></p>	<p>Personal, Social and Emotional Development Self-Regulation ELG</p> <p>Children at the expected level of development will:</p> <ul style="list-style-type: none"> Show an understanding of their own feelings and those of others, and begin to regulate their behaviour accordingly; Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate; Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an ability to follow instructions involving several ideas or actions. <p>Managing Self ELG</p> <p>Children at the expected level of development will:</p> <ul style="list-style-type: none"> Be confident to try new activities and show independence, resilience and perseverance in the face of challenge;

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Understanding Technology	Programming		Digital Literacy	E-safety	
Year 1	<p>Online Safety</p> <p>Exploring Purple Mash</p> <p>Grouping & Sorting</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Online Safety</p> <p>Lego Builders</p> <p>Pictograms</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</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>Online Safety</p> <p>Maze explorers</p> <p>Animated Story Books</p> <p>create and debug simple programs use logical reasoning to predict the behaviour of simple programs</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Online Safety</p> <p>Coding</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>Online Safety</p> <p>Spreadsheets</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Online Safety</p> <p>Technology outside of school</p> <p>recognise common uses of information technology beyond school</p>
Year 2	<p>Online Safety</p> <p>Coding</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>Online Safety</p> <p>Spreadsheets</p> <p>use logical reasoning to predict the behaviour of simple programs</p>	<p>Online Safety</p> <p>Questioning</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Online Safety</p> <p>Effective searching</p> <p>Creating pictures</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>	<p>Online Safety</p> <p>Making music</p> <p>Recognise common uses of information technology beyond school</p>	<p>Online Safety</p> <p>Presenting ideas</p> <p>use technology purposefully to create, organise, store, manipulate and retrieve digital content</p>
Year 3	<p>Online Safety</p> <p>Coding</p> <p>design, write and debug programs that accomplish specific goals, including controlling or simulating</p>	<p>Online Safety</p> <p>Spreadsheets</p> <p>Use sequence, selection, and repetition in</p>	<p>Online Safety</p> <p>Touch Typing</p> <p>Select, use and combine a variety of</p>	<p>Online Safety</p> <p>Email & Email Safety</p> <p>Understand computer networks, including the internet; how they can</p>	<p>Online Safety</p> <p>Simulations</p> <p>Branching Databases</p> <p>select, use and combine a variety of</p>	<p>Online Safety</p> <p>Graphing</p> <p>Select, use and combine a variety of software (including</p>

	physical systems; solve problems by decomposing them into smaller parts	programs; work with variables and various forms of input and output	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	provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration	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	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 4	<p>Online Safety</p> <p>Coding</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>Online Safety</p> <p>Spreadsheets</p> <p>Use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p>	<p>Online Safety</p> <p>Writing for Different audiences</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>Online Safety</p> <p>Logo</p> <p>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p>	<p>Online Safety</p> <p>Animation</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>Online Safety</p> <p>Effective Searching</p> <p>Hardware investigators</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>Year 5</p>	<p>Online Safety Coding</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>Online Safety Spreadsheets</p> <p>Use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p>	<p>Online Safety Databases</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>Online Safety Game Creators</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>Online Safety 3D Modelling</p> <p>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p>	<p>Online Safety Concept Maps</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>Year 6</p>	<p>Online Safety Coding</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>Online Safety Spreadsheets</p> <p>Use sequence, selection, and repetition in programs; work with variables and various forms of input and output</p>	<p>Online Safety Blogging</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</p>	<p>Online Safety Text Adventures</p> <p>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>	<p>Online Safety Networks</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>Online Safety Quizzing</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>

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*Green indicates name of topic *Red indicates curriculum area