



# Malvern Wells C of E Primary School

## Computing Long Term Curriculum Map Cycle 1

Cycle 1	E-Safety	Autumn	E-Safety	Spring	E-safety	Summer
<b>Class 1</b> <b>YR</b>  <a href="#">EYFS Curriculum Coverage</a>	<a href="#">ActiveBYTE I am kind &amp; responsible</a>	<b>Computing Systems and Networks: Technology all around us.</b> <ul style="list-style-type: none"> <li>Recognise common uses of information technology beyond school</li> <li>Use technology purposefully to create, organise, store, manipulate, and retrieve digital content</li> </ul>	<a href="#">ActiveBYTE I am safe and secure</a>	<b>Creating Media: Digital Painting</b> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, store, manipulate, and retrieve digital content</li> </ul>	<a href="#">ActiveBYTE I am healthy</a>	<b>Programming: BeeBot</b> <ul style="list-style-type: none"> <li>understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions</li> <li>create and debug simple programs</li> <li>use logical reasoning to predict the behaviour of simple programs</li> </ul>
<b>Assessment</b>		<a href="#">C1 Autumn Assessment Sheet</a>		<a href="#">C1 Spring Assessment Sheet</a>		<a href="#">C1 Summer Assessment Sheet</a>
<b>Class 2</b> <b>Y1/Y2</b>	<a href="#">ActiveBYTE I am kind &amp; responsible</a>	<b>Computing Systems and Networks: Information Technology all around us.</b> <ul style="list-style-type: none"> <li>Recognise common uses of information technology beyond school</li> </ul>	<a href="#">ActiveBYTE I am safe and secure</a>	<b>Creating Media: Digital Photography</b> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, store, manipulate, and retrieve digital content</li> </ul>	<a href="#">ActiveBYTE I am healthy</a>	<b>Programming: Lego Fix</b> <ul style="list-style-type: none"> <li>understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions</li> <li>create and debug simple programs</li> <li>use logical reasoning to predict the behaviour of simple programs</li> </ul>
<b>Assessment</b>		<a href="#">C2 Autumn Assessment Sheet</a>		<a href="#">C2 Spring Assessment Sheet</a>		<a href="#">C2 Summer Assessment Sheet</a>
<b>Class 3</b> <b>Y3/Y4</b>	<a href="#">ActiveBYTE I am kind &amp; responsible</a>	<b>Computing Systems and Networks: Connecting Computers.</b> <ul style="list-style-type: none"> <li>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</li> </ul>	<a href="#">ActiveBYTE I am safe and secure</a>	<b>Creating Media: Stop Frame Animation</b> <ul style="list-style-type: none"> <li>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</li> </ul>	<a href="#">ActiveBYTE I am healthy</a>	<b>Programming: Scratch</b> <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> </ul>
<b>Assessment</b>		<a href="#">C3 Autumn Assessment Sheet</a>		<a href="#">C3 Spring Assessment Sheet</a>		<a href="#">C3 Summer Assessment Sheet</a>

<p><b>Class 4</b> <b>Y5/Y6</b></p>	<p><u><a href="#">ActiveBYTE</a></u> <u><a href="#">I am kind &amp; responsible</a></u></p>	<p><u><a href="#">Computing Systems and Networks: Sharing Information.</a></u></p> <ul style="list-style-type: none"> <li>• <b>Design</b>, write and debug programs that accomplish specific goals, including <b>controlling or simulating physical systems</b>; solve problems by decomposing them into smaller parts</li> <li>• <b>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</b></li> <li>• Select, <b>use and combine a variety of software (including internet services)</b> on a range of digital devices to design and create a range of programs, systems and content <b>that accomplish given goals</b>, including collecting, analysing, evaluating and presenting data and information</li> <li>• Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</li> </ul>	<p><u><a href="#">ActiveBYTE</a></u> <u><a href="#">I am safe and secure</a></u></p>	<p><u><a href="#">Creating Media: Vector Drawing.</a></u></p> <ul style="list-style-type: none"> <li>• 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.</li> </ul>	<p><u><a href="#">ActiveBYTE</a></u> <u><a href="#">I am healthy</a></u></p>	<p><u><a href="#">Programming: Scratch Roman Numerals</a></u></p> <ul style="list-style-type: none"> <li>• design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>• use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>• use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> </ul>
<p><b>Assessment</b></p>		<p><u><a href="#">C4 Autumn Assessment Sheet</a></u></p>		<p><u><a href="#">C4 Spring Assessment Sheet</a></u></p>		<p><u><a href="#">C4 Summer Assessment Sheet</a></u></p>



## Malvern Wells C of E Primary School

### Computing Long Term Curriculum Map Cycle 2

Cycle 2	E-Safety	Autumn	E-Safety	Spring	E-safety	Summer
Class 1 YR  <a href="#">EYFS Curriculum Coverage</a>	<a href="#">ActiveBYTE I am kind &amp; responsible</a>	<a href="#">Computing Systems and Networks: Technology in Toys</a> <ul style="list-style-type: none"> <li>Recognise common uses of information technology beyond school</li> <li>Use technology purposefully to create, organise, store, manipulate, and retrieve digital content</li> </ul>	<a href="#">ActiveBYTE I am safe and secure</a>	<a href="#">Creating Media: Digital Writing.</a> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>Use technology safely and respectfully, keeping personal information private</li> </ul>	<a href="#">ActiveBYTE I am healthy</a>	<a href="#">Programming: JIT</a> <ul style="list-style-type: none"> <li>understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions</li> <li>create and debug simple programs</li> <li>use logical reasoning to predict the behaviour of simple programs</li> </ul>
Assessment		<a href="#">C1 Autumn Assessment Sheet</a>		<a href="#">C1 Spring Assessment Sheet</a>		<a href="#">C1 Summer Assessment Sheet</a>
Class 2 Y1/Y2	<a href="#">ActiveBYTE I am kind &amp; responsible</a>	<a href="#">Computing Systems and Networks: My Internet Search.</a> <ul style="list-style-type: none"> <li>Recognise common uses of information technology beyond school</li> </ul>	<a href="#">ActiveBYTE I am safe and secure</a>	<a href="#">Creating Media: Making Music</a> <ul style="list-style-type: none"> <li>Use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> </ul>	<a href="#">ActiveBYTE I am healthy</a>	<a href="#">Programming: Lightbot</a> <ul style="list-style-type: none"> <li>understand what algorithms are, how they are implemented as programs on digital devices, and that programs execute by following precise and unambiguous instructions</li> <li>create and debug simple programs</li> <li>use logical reasoning to predict the behaviour of simple programs</li> </ul>
Assessment		<a href="#">C2 Autumn Assessment Sheet</a>		<a href="#">C2 Spring Assessment Sheet</a>		<a href="#">C2 Summer Assessment Sheet</a>
Class 3 Y3/Y4	<a href="#">ActiveBYTE I am kind &amp; responsible</a>	<a href="#">Computing Systems and Networks: The Internet</a> <ul style="list-style-type: none"> <li>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</li> </ul>	<a href="#">ActiveBYTE I am safe and secure</a>	<a href="#">Creating Media: Photo Editing</a> <ul style="list-style-type: none"> <li>Use search technologies effectively</li> <li>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,</li> </ul>	<a href="#">ActiveBYTE I am healthy</a>	<a href="#">Programming: Scratch 2</a> <ul style="list-style-type: none"> <li>design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>use sequence, selection, and repetition in programs; work</li> </ul>

				evaluating and presenting data and information		with variables and various forms of input and output <ul style="list-style-type: none"> <li>• use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> </ul>
<b>Assessment</b>		<a href="#">C3 Autumn Assessment Sheet</a>		<a href="#">C3 Spring Assessment Sheet</a>		<a href="#">C3 Summer Assessment Sheet</a>
<b>Class 4 Y5/Y6</b>	<a href="#">ActiveBYTE I am kind &amp; responsible</a>	<a href="#">Computing Systems and Networks: Communication</a> <ul style="list-style-type: none"> <li>• <b>Design</b>, write and debug programs that accomplish specific goals, including <b>controlling or simulating physical systems</b>; solve problems by decomposing them into smaller parts</li> <li>• <b>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</b></li> <li>• Select, <b>use and combine a variety of software (including internet services)</b> on a range of digital devices to design and create a range of programs, systems and content <b>that accomplish given goals</b>, including collecting, analysing, evaluating and presenting data and information</li> <li>• Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</li> </ul>	<a href="#">ActiveBYTE I am safe and secure</a>	<a href="#">Creating Media: Web Page Creation</a> <ul style="list-style-type: none"> <li>• 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.</li> <li>• use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour.</li> </ul>	<a href="#">ActiveBYTE I am healthy</a>	<a href="#">Programming: Scratch: My Topic Model</a> <ul style="list-style-type: none"> <li>• design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</li> <li>• use sequence, selection, and repetition in programs; work with variables and various forms of input and output</li> <li>• use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</li> </ul>
<b>Assessment</b>		<a href="#">C4 Autumn Assessment Sheet</a>		<a href="#">C4 Spring Assessment Sheet</a>		<a href="#">C4 Summer Assessment Sheet</a>