



# Malvern Parish Primary School Computing Curriculum – 2024/25



Autumn1	Autumn2	Spring1	Spring 2	Summer1	Summer2
<b>EYFS - Purple Mash Early Years - Skills Check</b>					
<b>Technology Around Us</b> Identify technology around us and how it is used in our lives - Dojo  <b>Online Drawing</b> Homes	<b>Photography</b> To take photos digitally and share it on Dojo  <b>Online Drawing</b> Christmas Tree	<b>Keeping Safe Online</b> Understanding healthy screen time and what it means to be private online  <b>Online Drawing</b> Penguins	<b>Robots and Beebots</b> To design and plan a route for a Beebot to move  <b>Online Drawing</b> Rockets	<b>Mouse and Trackpads</b> Using a mouse to click and drag and to play games  <b>Online Drawing</b> Farm Animals	<b>Keyboard Skills</b> Find all the letters of the alphabet on the keyboard and to spell a full name  <b>Online Drawing</b> Flowers and Mini Beasts
<b>Year 1</b>					
Autumn	Key vocabulary	Spring	Key vocabulary	Summer	Key vocabulary
<b>Computing systems &amp; networks - Technology around us</b> <u>Technology around us</u> LC: Can I say what technology is and find examples of technology in the classroom? <u>Using Technology</u> LC: Can I name the main parts of a computer and log in? <u>Developing mouse skills</u> LC: Can I use a mouse in different ways? <u>Using a computer keyboard</u> LC: Can I use a keyboard to type? <u>Developing keyboard skills</u> LC: Can I use a keyboard to edit text? <u>Using a computer responsibly</u> LC: Can I create rules for using technology responsibly?	technology trackpad double click typing keyboard	<b>Programming A - Moving a robot</b> <u>Buttons</u> LC: Can I explain what a given command will do? <u>Directions</u> LC: Can I act out a given word? <u>Forwards and backwards</u> LC: Can I use forwards and backwards to make a sequence? <u>Four directions</u> LC: Can I combine four direction commands to make sequences? <u>Getting there</u> LC: Can I plan a simple programme? <u>Routes</u> LC: Can I find a solution to a problem?	forwards backwards turn commands algorithm	<b>Creating media- digital writing</b> <u>Exploring the keyboard</u> LC: Can I use a computer to write? <u>Adding and removing text</u> LC: Can I add and remove text on a computer? <u>Exploring the toolbar</u> LC: Can I identify that the look of text can be changed on a computer? <u>Making changes to text</u> LC: Can I make careful choices when changing text? <u>Explaining my choices</u> LC: Can I explain why I used the tools that I chose? <u>Pencil or keyboard?</u> LC: Can I compare typing on a computer to writing on paper?	word processor type cursor toolbar bold italic underline redo
<b>Creating media - Digital painting</b> <u>Paint using computers</u> LC: Can I use freehand tools to make marks on a screen? <u>Using shape and lines</u>	paint programme tool fill undo erase	<b>Data &amp; information - Grouping data</b> <u>Label and match</u> LC: Can I label objects? <u>Group and count</u>	image property data set search	<b>Programming - Programming animations</b> <u>Comparing tools</u> LC: Can I choose a command for a given purpose?	programming delete reset value design



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<p>LC: Can I use the shape and line tools? <u>Making careful choices</u></p> <p>LC: Can I make choices when painting a digital picture? <u>Why did I choose that?</u></p> <p>LC: Can I explain the reasons for my choices? <u>Painting by myself</u></p> <p>LC: Can I use a computer to paint a picture of my own? <u>Comparing computer art and painting</u></p> <p>LC: Can I compare paintings on paper to paintings on a computer?</p>		<p>LC: Can I identify that objects can be counted? <u>Describe and object</u></p> <p>LC: Can I describe objects in different ways? <u>Making different groups</u></p> <p>LC: Can I group and count objects with the same properties? <u>Comparing groups</u></p> <p>LC: Can I compare groups of objects? <u>Answering questions</u></p> <p>LC: Can I answer questions about groups of objects?</p>		<p><u>Joining blocks</u></p> <p>LC: Can I show that a series of commands can be joined together? <u>Make a change</u></p> <p>LC: Can I identify the effect of changing a value? <u>Adding Sprites</u></p> <p>LC: Can I explain that each sprite has its own instructions? <u>Project design</u></p> <p>LC: Can I design the parts of a project? <u>Following my design</u></p> <p>LC: Can I use my algorithm to create a programme?</p>	
<p><b>Year 2</b></p>					
<p><b>Computing systems and networks - IT around us</b> <u>What is it?</u></p> <p>LC: Can I recognise the uses and features of information technology? <u>IT in school</u></p> <p>LC: Can I identify the uses of information technology in the school? <u>IT in the world</u></p> <p>LC: Can I identify information technology beyond school? <u>The benefits of IT</u></p> <p>LC: Can I explain how information technology helps us? <u>Using IT safely</u></p> <p>LC: Can I explain how to use information technology safely? <u>Using IT in different ways</u></p> <p>LC: Can I recognise that choices are made when using information technology?</p>	<p><b>information technology (IT)</b> <b>barcode scanner scan</b></p>	<p><b>Programming A - Robot algorithms</b> <u>Giving instructions</u></p> <p>LC: Can I describe a series of instructions as a sequence? <u>Same but different</u></p> <p>LC: Can I explain what happens when we change the order of instructions? <u>Making predictions</u></p> <p>LC: Can I use logical reasoning to predict the outcome of a program? <u>Mats and routes</u></p> <p>LC: Can I explain that programming projects can have code and artwork? <u>Algorithm design</u></p> <p>LC: Can I design an algorithm? <u>Debugging</u></p> <p>LC: Can I create and debug a program that I have written?</p>	<p><b>sequence algorithm program route debugging decomposition</b></p>	<p><b>Creating media - Digital music</b> <u>How music makes us feel</u></p> <p>LC: Can I say how music makes me feel? <u>Rhythms and patterns</u></p> <p>LC: Can I identify that there are patterns in music? <u>How music can be used</u></p> <p>LC: Can I experiment with sound using a computer? <u>Notes and tempo</u></p> <p>LC: Can I use a computer to create a musical pattern? <u>Creating digital music</u></p> <p>LC: Can I create music for a purpose? <u>Reviewing and editing music</u></p> <p>LC: Can I review and refine computer work?</p>	<p><b>pattern rhythm pulse pitch tempo notes beat</b></p>
<p><b>Creating media - Digital photography</b> <u>Taking photographs (homework pre task)</u></p>	<p><b>device capture image</b></p>	<p><b>Data &amp; information - Pictograms</b> <u>Counting and comparing</u></p>	<p><b>organise data pictogram</b></p>	<p><b>Programming B- Quizzes</b> <u>Scratch Jr recap</u></p>	<p><b>actions modify features</b></p>



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<p>LC: Can I use a digital device to take a photograph and talk about how I took it? <u>Landscape or portrait?</u></p> <p>LC: Can I explain good choices for taking photographs? <u>What makes a good photograph?</u></p> <p>LC: Can I describe what makes a good photograph? <u>Lighting</u></p> <p>LC: Can I decide how photos can be improved? <u>Effects</u></p> <p>LC: Can I use tools to change an image? <u>Is it real?</u></p> <p>LC: Can I recognise photos that have been changed?</p>	<p><b>digital</b></p> <p><b>landscape</b></p> <p><b>portrait</b></p> <p><b>focus</b></p> <p><b>editing</b></p> <p><b>filter</b></p> <p><b>lighting</b></p>	<p>LC: Can I count and compare objects using tally charts? <u>Enter the data</u></p> <p>LC: Can I recognise that objects can be represented as pictures? <u>Creating pictograms</u></p> <p>LC: Can I create a pictogram? <u>What is an attribute?</u></p> <p>LC: Can I select objects by attributes and make comparisons? <u>Comparing people</u></p> <p>LC: Can I recognise that people can be described by attributes? <u>Presenting information</u></p> <p>LC: Can I explain that we can present information using a computer?</p>	<p><b>attributes</b></p> <p><b>conclusion</b></p> <p><b>block diagram</b></p>	<p>LC: Can I explain that a sequence of commands has a start? <u>Outcomes</u></p> <p>LC: Can I explain that a sequence of commands has an outcome? <u>Using a design</u></p> <p>LC: Can I create a program using a given design? <u>Changing a design</u></p> <p>LC: Can I change a given design? <u>Designing and creating a program</u></p> <p>LC: Can I create a program using my own design? <u>Evaluating</u></p> <p>LC: Can I decide how my project can be improved?</p>	<p><b>evaluate</b></p> <p><b>code</b></p>
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