



# Clayton Village Primary Computing LTP



	Autumn	Spring	Summer
Reception	<p><b>Continuous Provision</b></p> <p>This is available throughout the day for both focused and self-chosen learning. A range of technology will be explored continuously throughout the year for the children to access, both independently and with an adult:</p> <ul style="list-style-type: none"> <li>• Computers/Ipads/cameras for recording learning</li> <li>• Ipads/Computers to access games and activities linked to topics each week</li> <li>• Remote control toys (cars) and battery-operated toys (Beebots)</li> <li>• Headphones for Now Press Play</li> <li>• Interactive white boards – Phonics Play / Top marks / Google Earth / Digi map</li> <li>• IPads for drawing, sorting, information gathering</li> <li>• Sound buttons – children can listen to a pre-recorded sound</li> <li>• Exploring old typewriters / computers / mechanical toys</li> </ul>		
Year 1	<p><b>Programming- simple algorithm</b></p> <p>Computational thinking</p> <p>Coding/ programming</p>	<p><b>Animation- animated character</b></p> <p>Animation</p>	<p><b>Data handling- pictograms</b></p> <p>Data handling</p>



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Year 2	<b>Programming- knock knock joke</b> Computational thinking: Programming	<b>Presentations- Animal catchphrase quiz</b> Presentations	<b>Artificial intelligence- AI advantages video</b> AI Video creation Presentations
Year 3	<b>Programming- animations in scratch</b> Computational thinking Programming	<b>AR and VR- designing a playground</b> AR and VR	<b>Computer Networks- Network explorer</b> Computer networks Video creation
Year 4	<b>Programming- microbit</b> Computational thinking Programming	<b>AI- teachable machine</b> AI Computational thinking	<b>Computer Networks- Understanding the internet</b> Computer Networks Video Creation
Year 5	<b>Programming- Quizzes on Scratch</b> Computational thinking Programming	<b>Sound- 4 chord remix</b> Sound Computational thinking	<b>Computer Networks- Search Engines</b> Computer Networks Presentations Photography



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Year 6	<b>Programming- Microbit sensors</b>  Computational thinking  Programming	<b>AI- machine learning for kids</b>  AI  Computational thinking	<b>Computer Networks- HTML</b>  Computer networks
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