



**Godfrey Ermen Primary School  
Lesson overviews Year 3**



<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
<b>Computing systems and networks 1: Networks and the internet</b>	<b>Y3 Scratch  Creating media: Video trailers</b>	<b>Data handling: Comparison cards databases</b>
<p>L1: What is a network – looking at the schools network            L2: A files journey- to understand how information moves around a network and recognise real-world networks            L3: A website journey  <a href="https://traceroute-online.com/">https://traceroute-online.com/</a>            use this website to show them what happens when we request a website learning about routers.</p>	<p>L1: tinkering with scratch            Explain what each of the blocks do</p> <ul style="list-style-type: none"> <li>• Add a background</li> <li>• Change sprite</li> <li>• Make it move</li> </ul> <p>L2: What is a loop?            L3: Decomposition            What blocks have been used? Plan their own animation based on class topic? Including loops.  <b>Challenge</b>            Storytelling debugging.</p> <p>L1: Planning a book trailer            L2: Filming Imovie            Frame shots differently to create the effect they want.            L3: editing the trailer            Import videos and photos            Tinker with film editing software            Include important written information into my video.  <b>Challenge</b>            L4: transitions and text incorporate transitions into video.</p>	<p>L1: Records, field and data            Understand the terminology            L2: Race against the computer            Compare paper databases to digital            L3: Sorting and filtering            L4: Representing data in different ways            Revisit emailing and get the children to email over finished database.            Challenge            L5: Plan a holiday</p>
<b>Computing systems and networks 2: Emailing</b>	<b>Technola Robotics</b>	<b>Computing systems and networks 3: Journey inside a computer</b>
<p>L1: (as a starter) Communicating with technology            L2: Sending an email- children learn to log in and out and send an email            L3: adding an attachment  <b>Challenge</b>            L5: recognise when an email isn't genuine</p>		<p>L1: Inputs and outputs            L2: Building a paper laptop            Learning what inside a computer and why            L3: following instructions- mimicking the CPU and EPU by working in groups to create a piece of art following an algorithm.            L4: Computer memory – understanding ROM, RAM and hard drives.  <a href="https://www.youtube.com/watch?v=HB4I2CgkcCo">https://www.youtube.com/watch?v=HB4I2CgkcCo</a>  <b>Challenge</b>            L5: Dismantling a tablet</p>



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