

Year 3	Overview	Knowledge	Vocabulary	Cross-curricular links
<p>Emailing (5 lessons) Pupils learn how to send emails, including attachments and how to be responsible digital citizens</p> <p>Go to unit</p>	<p>Digital Literacy and Online Safety Learn about cyberbullying and fake emails.</p> <p>Understanding the purpose of emails.</p>	<p>Keyboard skills - @ symbol</p> <p>Email compose windows – addresses, subjects</p> <p>Be careful with unexpected emails</p>	<ul style="list-style-type: none"> • account • attachment • BCC • CC • computer • cyberbullying • domain • email • email account • emoji • information • log off/ log on • password • spam • username 	<p>English</p>
<p>Journey inside a computer (5 lessons) Children learn about the different parts of a computer through role-play and develop their understanding of how they follow instructions</p> <p>Go to unit</p>	<p>Computers and Hardware Understanding what different components of a computer do.</p> <p>Computational Thinking Understanding that programs execute by following precise and unambiguous instructions.</p>	<p>Computer parts – CPU, GPU, RAM, HDD</p> <p>QR Codes and how to use them Other portable electronic devices</p>	<ul style="list-style-type: none"> • algorithm • computer • computer program • data • desktop • instructions • ROM • tablet device • trackpad 	
<p>Top trumps databases (5 lessons) Developing their understanding of data and databases, children play with and create their own Top Trumps cards, learning how to interpret information by ordering and filtering</p> <p>Go to unit</p>	<p>Digital Literacy and Online Safety Using technology purposefully to create, organise, store, manipulate and retrieve data.</p>	<p>Identifying and reading databases</p> <p>Understanding bar graphs and pie charts</p>	<ul style="list-style-type: none"> • categorise • data • database • fields • filter • graphs and charts • information • record • sort • spreadsheet 	<p>Maths</p>

Year 3 <i>continued.</i>	Overview	Knowledge	Vocabulary	Cross-curricular links
<p>Digital literacy (5 lessons) Developing their video skills, pupils create a book trailer, storyboarding their trailers before then filming and editing their videos, adding effects such as transitions, music, voice and text.</p> <p>Go to unit:</p> <ul style="list-style-type: none"> • Option 1 • Option 2 	<p>Digital Literacy and Online Safety Using technology purposefully to create, organise, store, manipulate and retrieve digital content, including searching for relevant information.</p>	<p>Digital media – transitions, morph, cross zoom, peel off, dip to black, directional wipe</p> <p>Digital sound waves – viewing and editing</p>	<ul style="list-style-type: none"> • application • desktop • digital device • edit • film • film editing software • graphics • import • key events • laptop • plan • recording • sound effects • time code • voice • voiceover 	<p>English</p>
<p>Programming: Scratch (5 lessons) Using Scratch, with its block-based approach to coding, pupils learn to tell stories and create simple games.</p> <p>Go to unit</p>	<p>Computational Thinking Using logical reasoning to explain how simple algorithms work.</p> <p>Designing, writing and debugging programs that accomplish specific goals, including controlling or simulating physical systems.</p> <p>Solving problems by decomposing them into smaller parts.</p> <p>Using sequence, selection, and repetition in programs.</p> <p>Working with variables and various forms of input and output.</p>	<p>Scratch – building games and animations</p> <p>Choosing sprites, painting sprites, surprise sprites, uploading sprites</p> <p>Key for Scratch colour coding blocks</p>	<ul style="list-style-type: none"> • animation • application • code • code block • debug • decompose • interface • loop • predict • program • remixing code • repetition code • review • sprite • tinker 	
<p>Networks and the internet (5 lessons) To understand how computers communicate, children learn about networks and the internet, and how they are used to share information.</p> <p>Go to unit</p>	<p>Computers and Hardware Identifying network components and understand how they are used to connect to the internet and how data is transferred.</p> <p>Digital Literacy and Online Safety Understanding 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>Network maps – house, router, ISP, smart phones, web server, cables</p> <p>Internet uses – communication, file sharing, websites, uploading/downloading, streaming media, games</p>	<ul style="list-style-type: none"> • device • file • internet • network • network map • network switch • router • server • submarine cables • the cloud • wi-fi/wired/wireless • wireless access point 	

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<p>Online safety (4 lessons) Understanding that you can't trust everything you read on the internet. Learning about social media platforms including their age-restrictions and privacy settings.</p> <p>Go to unit</p>	<p>Digital Literacy and Online Safety</p> <p>Learn to distinguish between facts, opinions and beliefs on the internet</p> <p>Learn how to deal with upsetting online content</p> <p>Learn about how to protect our personal information using privacy settings and how to be discerning about what information we share and who with</p>	<p>Know the steps to take when faced with upsetting online content</p> <p>Know the difference between fact, opinion and belief</p> <p>Know age restrictions for popular online platforms</p>	<ul style="list-style-type: none"> • accurate, • age restricted, • autocomplete, • beliefs, • block, • content, • digital devices, • fact, • fake news, • opinion, • privacy settings, • reliable, • report, • requests, • search engine, • security questions, • smart devices, • social media platforms, • social networking 	<p>RSE</p>