



Computing Curriculum: Year A



Two Rivers Computing Curriculum

Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Red 2 (Early Years)	<p style="text-align: center;"><u>Knowing Me</u></p> <p>Technology in our lives Children to explore technology in our school.</p> <p>Children to be introduced to our IWB's, Sensory room, iPads and hub.</p> <p>Visit areas of school and go on a screen hunt.</p> <p>Children to look at photos of themselves.</p> <p>Children to look at their own image on large screens and try and identify.</p> <p>Extend to children taking photos using the iPads. 'Selfie style'.</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • iPad App Singing Fingers • Purple Mash My face jigsaw. • Purple Mash – Paint Projects 	<p style="text-align: center;"><u>5,4,3,2,1 Blast Off!</u></p> <p>Cause and Effect</p> <ul style="list-style-type: none"> ✓ I can interact with objects on screen. ✓ I can create objects on a screen. <p>Children to interact with the Eye gaze, IWB or iPads to exploring space themed images.</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Drawing stars app. • Purple mash Rocket. • HelpKidzlearn Space theme songs and counting games. <p style="color: green;">Monthly E-safety Newsletter Home to parents.</p>	<p style="text-align: center;"><u>Pets</u></p> <p>Touch Control</p> <ul style="list-style-type: none"> ✓ I can use technology to show my learning. <p>Children to explore helpkidzlearn using the IWB or touch screen computers in the hub to explore selecting, interacting and manipulating images on screen.</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Purple Mash 2Paint Projects – Fish • Purple Mash – pets jigsaws • Bug club pictures books – pets. • Purple Mash – Games – Simple City - Vets <p style="color: green;">Monthly E-safety Newsletter Home to parents.</p>	<p style="text-align: center;"><u>Over the Rainbow</u></p> <p>E-safety Think You Know - Lee and Kim's Adventures Animal Magic - https://www.thinkuknow.co.uk/5_7/leeandkim/</p> <p>Children to explore the different activities and games linked to the avatars.</p> <p>Role play – masks, small world.</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> ✓ Purple Mash 2paint – Rainbow ✓ Dark room – colour displays <p style="color: green;">Monthly E-safety Newsletter Home to parents.</p>	<p style="text-align: center;"><u>Octopus Garden</u></p> <p>IPad</p> <ul style="list-style-type: none"> ✓ I can interact with objects on screen. ✓ I can create objects on a screen. ✓ I can identify icons. <p>Children to explore apps – Fluidity, Finger Paint and Draw Stars to explore mark making using ICT.</p> <p>Cross curriculum</p> <ul style="list-style-type: none"> ✓ Purple Mash – Under the sea jigsaws ✓ Espresso – counting fish EYFS <p style="color: green;">Monthly E-safety Newsletter Home to parents.</p>	<p style="text-align: center;"><u>Ugly Bug Ball</u></p> <p>Switch Control</p> <ul style="list-style-type: none"> ✓ I can explore simple programming. <p>Children to explore the different switch activities on SEN ICT using single and dual switches.</p> <p>PECs, photographs or pictures to be used to order how to make the music happen etc.</p> <p>This is evidence of a simple algorithm.</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Bug club phonics • Topmarks.co.uk – counting ladybird spots. <p style="color: green;">Monthly E-safety Newsletter Home to parents.</p>



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	<p>Harvest Basket</p> <ul style="list-style-type: none"> App – Bla Bla Bla <p>Monthly E-safety Newsletter Home to parents.</p>					
<p>Red 3 & Red 4</p> <p>(Years 1 & 2)</p>	<p><u>Autumn Explorers</u></p> <p>E-Safety Use technology safely and respectfully, keeping personal information private.</p> <p>Know where to go for help and support when they have concerns about content or contact on the internet or other online material.</p> <p>Vocabulary - E-safety, Online safety, Password, adults we trust. Stranger danger.</p> <p>Acceptable Use policy shared with children including Internet use policy.</p>	<p><u>Winter Warmers</u></p> <p>Multimedia Use technology purposefully to create, organise, store, manipulate and retrieve digital content</p> <p>Using Paint tools to create a picture (1) Adding text (2) Retrieving, editing and saving work (3) Using apps to create simple animations (4-6) http://www.abcya.com/animate.htm</p> <p>E-safety Focus – Stage 1 and 2 ‘Keep it private’ Focus 3 - passwords.</p> <p>Vocabulary – save, file, document, app, font, colour, size.</p>	<p><u>To Infinity and Beyond</u></p> <p>Programming and coding - Bee bots Purple Mash 2Go (Space themed)</p> <ol style="list-style-type: none"> Controlling a device (movement / patterns) Creating instructions Recording instructions Predicting instructions needed to complete a task <p>E-safety - App safety.</p> <p>Vocabulary – programming, Bee Bot, left, right, forward, backwards, go, instructions.</p>	<p><u>Knight Fever</u></p> <p>Technology in our Lives - Recognising different technology at home, at school and in the environment</p> <p>Understanding the purpose of the Internet and how it can be used - Finding an image - Introduce Kiddle, swiggle - searching for information</p> <p>E-safety – Safe internet use – Stage 1 and 2 internet Focus 1.</p> <p>Vocabulary - technology, internet, world wide web, Kiddle, swiggle, safesearch, search engine, image.</p>	<p><u>Pirates</u></p> <p>Key Skills</p> <ul style="list-style-type: none"> ✓ Logging on and off ✓ Typing skills ✓ Mouse control ✓ Saving and printing work ✓ Use App to take pictures – Pirate app. <p>E-safety – logging on keeping data private.</p> <p>Vocabulary – log on/off, shut down, password, private, keyboard, mouse, mouse pad, save, file, print, photocopier.</p>	<p><u>The Land of Rhyme</u></p> <p>Data Handling Take photographs, video and record sound to record learning experiences → Link to ‘Plants’ topic in Science</p> <p>Purple Mash - Collect data, generate graphs and charts to find answers.</p> <p>Explore graphs and data using topmarks.co.uk</p> <p>E-safety – sharing photos and storing them safely.</p> <p>Vocabulary – photos, camera, video, microphone.</p>



Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Yellow 1 & Yellow 3</p> <p>(Years 3 & 4)</p>	<p><i>Journeys</i></p> <p><u>E-Safety</u> Children to explore the acceptable use policy and learn about the monitoring systems used in school.</p> <p>Pupils explore reasons why people use passwords, learn the benefits of using passwords, and discover strategies for creating and keeping strong, secure passwords.</p> <ul style="list-style-type: none"> ✓ understand why people need to be safe online ✓ I can create something that tells people how to stay safe. <p>Vocabulary – acceptable use, policy, agreement, digital</p>	<p><i>Frozen Planet</i></p> <p><u>Key Skills – Information Technology</u> To continue to develop typing speed and accuracy to enable independent and efficient access to a computer.</p> <p>To understand the purpose of, and begin to independently use a range of different technology.</p> <ul style="list-style-type: none"> ✓ I can use a mouse. ✓ I can use a keyboard. ✓ I can launch an application ✓ I can save a file ✓ I can print a document. ✓ I can use a photocopier. 	<p><i>Amazing Animals</i></p> <p><u>Programming – Scratch Jnr Programming</u> <u>Scratch</u> - Focus - to follow precise instructions. During the sequence, children will predict what will happen and afterwards begin adding or editing their own characters and backgrounds.</p> <p>E-Safety – Safe search – How to use search engines safely.</p> <p>Vocabulary – Scratch, program, code, instructions, system, goals, debug, problem.</p>	<p><i>Out of this world</i></p> <p><u>E-safety</u> Pupils explore what it means to be responsible for and respectful of their offline and online communities as a way to learn how to be good digital citizens</p> <ul style="list-style-type: none"> ✓ I can explain the difference between acceptable and unacceptable behaviour (when using technology) <p>Vocabulary - online community, behaviour, acceptable, unacceptable, digital citizen, bullying.</p>	<p><i>Terrific Time Travellers</i></p> <p><u>Multimedia - Computer Art Making Music</u> To be introduced to making music digitally using 2Sequence (Purple Mash).</p> <p>To explore, edit and combine sounds using 2Sequence.</p> <p>To upload a sound from a bank of sounds into the Sounds section.</p> <p>To record their own sound and upload it into the Sounds section.</p> <p>To create their own tune using the sounds which they have added to the Sounds section.</p> <p>E-Safety – Storing videos and images safely.</p>	<p><i>Colour, Shimmer & Shine</i></p> <p><u>Multimedia - Presentation skills</u> I can change the appearance of text to increase its effectiveness.</p> <p>I can use photos, video and sound to create an atmosphere when presenting to different audiences.</p> <p>Children to explore Powerpoint, imovie to create presentations.</p> <p>E-Safety – Focus – appropriate and inappropriate content. What to do if content upsets you.</p> <p>Vocabulary – Powerpoint, presentation, imovie, sound, video, digital, presentation.</p>



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	<p>member, password, safety, private.</p> <p>Acceptable Use policy shared with children including Internet use policy</p>	<p>E-Safety – Cyber bullying</p> <p>Vocabulary – keyboard, mouse, mouse pad, save, file, document, printer, photocopier.</p>			<p>Vocabulary – digital, music, tune, sequence, save, upload.</p>	
<p>Blue 1 & Blue 3 & Blue 4</p> <p>(Years 5 & 6)</p>	<p><u>Egyptians</u></p> <p><u>E-Safety - Cyber Bullying</u> Children need an awareness of what cyber bullying means and how it can potentially occur.</p> <p>Children need to understand the potential consequences for all involved.</p> <p>Children need to be taught 'What to do if' they experience Cyber bullying or know of Cyber bullying happening.</p> <p>Children to be taught how to be a good digital citizen and how negative behaviour can affect their digital footprint.</p>	<p><u>Lights, Camera, Action!</u></p> <p><u>Multimedia – Stop Frame animation</u> Children to; Learn what stop frame animation is. Create a basic stop frame using grid club.</p> <p>Practice using stop frame equipment to make very simple sequence.</p> <p>Practice using stop frame equipment to make very simple sequence.</p> <p>Create storyboard. Plan what is needed for their stop frame.</p> <p>Create props Film animation using suitable software & hardware.</p>	<p><u>Space – 5,4,3,2,1</u></p> <p><u>Key Skills – Information Technology</u> To continue to develop typing speed and accuracy to develop competency in typing.</p> <p>To understand the purpose of, and use independently, a range of different technology.</p> <p>To make choices about when to use technology, which piece(s) of technology to use, which software/tools they are going to use on the technology and be able to explain their choices to</p>	<p><u>Righteous Royals</u></p> <p><u>Programming – Coding</u> <u>2CODE Purple Mash</u> To design and write a program that accomplishes a specific goal.</p> <p>To design and write a program that simulates a physical system.</p> <p>To use repetition commands To introduce 'If' statements.</p> <p>Debugging.</p> <p>To introduce variables.</p> <p><u>A.I.E.X – App programming –</u> Children to play and create simple games using simple</p>	<p><u>Magic</u></p> <p><u>Programming – Scratch Jnr</u> Create content that accomplish given goals.</p> <p>Solve problems by decomposing them into smaller parts.</p> <p>Write and debug programs that accomplish specific goals.</p> <p>Design, write and debug programs that accomplish specific goals.</p> <p>Children to create a Maze game by writing an algorithm for multiple characters and backgrounds. (Purple Mash)</p>	<p><u>Groovy Greeks</u></p> <p><u>Multimedia – Email</u> Pupils will be taught to think about different methods of communication.</p> <p>To open and respond to emails.</p> <p>To write an email to someone using an address book.</p> <p>To learn how to use email safely.</p> <p>To add an attachment to an email.</p> <p><u>E-Safety – Email safety – What to do if.... And appropriate content/usage.</u></p> <p><u>Vocabulary – Email, internet, world wide</u></p>



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	<p>Vocabulary – Cyber bullying, trolling, online community, behaviour, acceptable, unacceptable, report, consequences.</p> <p>Acceptable Use policy shared with children including Internet use policy</p>	<p>E-Safety – Who's your audience – Children to learn about privacy settings and how to keep their information safe.</p> <p>Vocabulary – Animation, stop frame, camera, IPad, software, hardware, storyboard, props, backgrounds,</p>	<p>others.</p> <p>E-Safety – Virus threats. Safe website search.</p> <p>Vocabulary - Word processing skills, Mouse control, Selecting, highlighting texts, Changing font, changing sizes, Powerpoint, Clicker, Word.</p>	<p>programming using icons.</p> <p>E-Safety – Acceptable us policy – why it's important and what it means. Digital citizen work.</p> <p>Vocabulary – programming, code, debug, algorithm instructions, order, variables, commands, design, app, application.</p>	<p>E-Safety – Share content like blogs, Videos of creations including those on Scratch on an online platform. Who is watching?</p> <p>Vocabulary – Scratch, program, code, Algorithms, triggers, motions, end results, instructions, system, goals, debug, problem, Sprites.</p>	<p>web, inbox, sent, trash, draft, attachments.</p>
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Computing Curriculum: Year B



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Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Red 2 (Early Years)	<p><u>Nursery Rhymes</u></p> <p>Technology in our lives Children to explore technology in our school. Children to be introduced to our IWB's, dark room, iPads and hub. Visit areas of school and go on a screen hunt.</p> <p>Technology in the environment Road crossings Using technology in the kitchen – microwave etc. Supermarket checkout – Community visits to explore technology around us.</p> <p>Introduced iPad CBEEBIES app</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Youtube Nursery Rhyme songs. • Purple Mash 2Paint Humpty Dumpty Mash Cam 	<p><u>Winter Wonderland</u></p> <p>Cause and Effect – mark making</p> <ul style="list-style-type: none"> ✓ I can create objects on a screen. ✓ I can identify icons. ✓ I can make purposeful marks on screen. <p>Using the IWB children will explore Purple Mash 2Paint Projects making purposeful marks. Children will be taught to;</p> <ul style="list-style-type: none"> • Use their index finger for touch control • Mark make in all directions. • Choose colours and patterns using icons. • Use width tool for pen / 	<p><u>Bucketful of Dinosaurs</u></p> <p>Touch Control</p> <ul style="list-style-type: none"> ✓ I can interact with objects on screen. <p>Clicker 6 matching pictures. Children to match PEC images of dinosaurs, illustrations and cartoon dinosaurs beginning with a choice of 2 and extend.</p> <p>Children to use index finger touch control on the touch screen PC's in class and in the hub.</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Purple Mash Dinosaur jigsaws 4 – 8 pieces • Purple Mash Paint 	<p><u>'Tickets Please' Transport</u></p> <p>E-Safety Smartie the Penguin http://kidsmart.org.uk/teachers/ks1/sources/index.htm</p> <p>Create a Smartie the Penguin image (e.g. 2Paint or Paint on Purple Mash) telling children to ask for help if anything unexpected happens when they are online.</p> <p>Make a display with an E-safety theme with penguin images for adults who can help us when we are online – Teachers/TA's/Parents etc</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Purple Mash 2paint – vehicles • Purple Mash – Garage <p>Monthly E-safety</p>	<p><u>Food Glorious Food</u></p> <p>IPad</p> <ul style="list-style-type: none"> ✓ I can use technology to show my learning <p>Children to explore the camera feature on the iPad and take pictures of their topic related work - Food technology/ activities to make a photo story book.</p> <p>Use a book style app to make a class/group story to share on the IWB using Apple TV.</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> ✓ Clicker food matching activities. <p>Monthly E-safety Newsletter Home to parents.</p>	<p><u>Down in the Jungle</u></p> <p>Programming</p> <ul style="list-style-type: none"> ✓ I can explore simple programming. <p>Children to explore different RC toys focusing on directions forwards and backwards.</p> <p>Children on the sensory curriculum to explore simple switch/ cause and effect toys.</p> <p>Children to look at simple direction/control images. (go, stop, forwards, backwards.)</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Purple Mash 2Paint animals • Phonics play.co.uk dear zoo



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	<p>• Monthly E-safety Newsletter Home to parents.</p> <p>PEC Acceptable Use policy shared with children including Internet use policy</p>	<p>brush</p> <p>Cross Curriculum</p> <ul style="list-style-type: none"> • Switch IT Weather • Purple Mash 2Paint Projects – Snowman, Christmas Tree • Education City – Build a snowman <p>Monthly E-safety Newsletter Home to parents.</p>	<p>projects</p> <ul style="list-style-type: none"> • Bug Club picture books – Harry and a bucket full of dinosaurs. <p>Monthly E-safety Newsletter Home to parents.</p>	<p>Newsletter Home to parents.</p>		<p>sounds.</p> <p>Monthly E-safety Newsletter Home to parents</p>
<p>Red 3 & Red 4</p> <p>(Years 1 & 2)</p>	<p><u>Africa</u></p> <p>Key skills</p> <ul style="list-style-type: none"> ✓ Touch control – app ✓ Mark making over Animals – Elephants Purple Mash ✓ Interactive stories and songs on the IWB. ✓ Log on/off using passwords. ✓ Using icons – camera, favourite apps – Purple Mash Taking pictures 	<p><u>Celebrations</u></p> <p>Multimedia</p> <p>Use technology purposefully to create digital content.</p> <p>Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p>Paint skills – Colour magic.</p> <p>Interactive stories and songs on the IWB</p> <p>Interactive Christmas Calendar</p>	<p><u>Once Upon a Time</u></p> <p>Programming</p> <p>Bee bots</p> <p>Purple Mash 2Go</p> <p>Red Riding hood theme.</p> <ol style="list-style-type: none"> 1. Controlling a device (movement / patterns) 2. Creating instructions 3. Recording instructions 4. Predicting instructions needed to complete a task <p>E-safety focus – online presence, avatars – Stage 1 and 2 Focus 4 – Lee</p>	<p><u>The Land Before Time</u></p> <p>ESafety</p> <p>Use technology safely and respectfully, keeping personal information private.</p> <p>Digi Duck – logging off and on linked to story.</p> <p>Create display about keeping passwords/ secret and secure.</p> <p>Vocabulary – online safety, E-safety, password, log on/off, private, bullying, cyberbullying.</p>	<p><u>Starry Night</u></p> <p>Technology in our lives</p> <p>Multimedia</p> <p>Word processing skills. Word and Clicker.</p> <p>Exploring key boards</p> <ul style="list-style-type: none"> - Typing letters - Typing name - Typing a sentence. - Typing to find an image on the internet. 	<p><u>Under the Sea</u></p> <p>Programming</p> <p>Daisy Dino app/ Beebot App</p> <p>Understand control devices follow instructions using a common language.</p> <p>Use logical reasoning to predict the behaviour of simple programs.</p> <p>E-safety – App safety, device safety – android/Ipad. Discussion about private messaging inside apps.</p>



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	<p>using the iPad – Camera App, Purple Mash – Mashcam</p> <p>E-safety focus – password/ data protection.</p> <p>Vocabulary - App, touch screen, ipad, laptop, camera, web cam, log on/off, password, private</p> <p>Acceptable Use policy shared with children including Internet use policy</p>	<p>Mark making over Christmas Characters – Purple mash</p> <p>E-safety – ‘what to do if’ SMSC discussions around cyberbullying, stranger danger. Safe adults who can help.</p> <p>Vocabulary – icon, paint, tools, size, font, colour, save, print, file.</p>	<p>and Kim.</p> <p>Vocabulary – Beebots programming, icon, background, character.</p>		<p>E-safety focus – safe internet search – link to typing in a search engine, swiggle/kiddle.</p> <p>Vocabulary – Key board, computer, laptop, type, typing, keys, Caps Lock, Space bar. E-safety, online safety, internet.</p>	<p>Vocabulary – App, online safety, E- safety, programming, Instructions, forward, backwards, left, right.</p>
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Two Rivers Computing Curriculum

Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>Yellow 1 & Yellow 3</p> <p>(Years 3 & 4)</p>	<p><u>Happy Healthy Me</u></p> <p>Programming Coding – 2CODE Purple Mash Pupils will create unambiguous instructions like those required by a computer. To build one- and two-step instructions using the printable code cards.</p> <p>Introduction to coding.</p> <p>Introduction to block coding on screen.</p> <p>Introduce backgrounds and characters.</p> <p>Making a character move left and right.</p> <p>Making a character move when clicked.</p> <p>Ext for MA - Introduction to Collision Detection.</p>	<p><u>Victorian Wonderland</u></p> <p>E-safety – Kidsmart Pupils will learn to use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour, identify a range of ways to report concerns and inappropriate behaviour.</p> <p>Explore the Kidsmart activities – Being Smart and Net Nasties.</p> <p>Learn the safe rules and create a poster/Powerpoint digitally. Individually or in a group.</p> <p>Vocabulary – E-safety, online safety, social media, cyber bullying, trolling, private messaging, data, digital footprint.</p>	<p><u>Let it Grow</u></p> <p>Multimedia Pupils will create different effects with different technology tools.</p> <p>Combine a mixture of text, graphics and sound to share learning.</p> <p>Children to create films and books using a variety of apps and programs including Movie Makers, Book Creator and Veescape.</p> <p>E-Safety – Sharing photos on the internet – Social media dangers/ staying safe – discussions around sharing information.</p> <p>Vocabulary – text, sound, app, colour, font, edit, E-Safety, sharing, social media, data, graphics.</p>	<p><u>Chocoholics</u></p> <p>Key Skills Information Technology Pupils will become skilful in using different tools to control technology.</p> <p>To begin to develop typing speed and accuracy to enable independent access to a computer.</p> <ul style="list-style-type: none"> ✓ I can use a mouse. ✓ I can use a keyboard. ✓ I can launch an application ✓ I can save a file ✓ I can print a document. ✓ I can use a photocopier. 	<p><u>The Great Outdoors</u></p> <p>E- Safety My Online Community Pupils explore the concept that people can connect with one another through the Internet.</p> <p>They understand how the ability for people to communicate online can unite a community but also present danger.</p> <p>Thinkuknow resources – Hectors World/ Cyber Café.</p> <p>Vocabulary - E-safety, online safety, social media, chat rooms, email, skype, cyber bullying, trolling, private messaging, data, digital footprint.</p>	<p><u>The Big Top</u></p> <p>Programming Turtle Logo Pupils understand what algorithms are; and that programs execute by following precise and ambiguous instructions.</p> <p>Create and debug simple programs.</p> <p>Use logical reasoning to predict the behaviour of simple programs</p> <p>Children use Turtle logo to create different algorithms for different shapes and then use the repeat command.</p> <p>(Twinkl and Purple Mash planning to support in Curriculum area ICT)</p>



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	<p>E-safety – Acceptable use policy focus – Do's and Don'ts of responsible use. Including Internet use policy</p> <p>Vocabulary – programming, coding, code instructions, order.</p>			<p>E-Safety – password safety.</p> <p>Vocabulary – keyboard, mouse, mouse pad, save, file, document, printer, photocopier.</p>		<p>E-Safety – True or False – Using search engines to find reliable information.</p> <p>Vocabulary - programming, code, instructions, order. MA – algorithm</p>
<p>Blue 1 & Blue 3 & Blue 4 (Years 5 & 6)</p>	<p><u>Roald Dahl</u></p> <p><u>E-Safety Social Media</u> Children to explore the dangers surrounding social media.</p> <p>Children to learn about the different social media platforms available – Facebook, Twitter, Youtube, Pinterest. Reporting concerns – Strategies to stay safe on social media.</p> <p>Vocabulary – Social media, private messaging, trolling, cyberbullying, posts, share, settings.</p>	<p><u>World War 2</u></p> <p><u>Key Skills Information Technology</u> Become familiar with a range of devices, for example tablets, desktop computers, laptops, microphones, cameras etc and increasingly develop their independence and confidence in using these devices.</p> <p><u>Word Processing</u></p> <ul style="list-style-type: none"> ✓ Learn the keys on the key board (Purple Mash) ✓ Understand how to type the title date and sentences. ✓ Editing - functions to 	<p><u>Vikings & Anglo Saxons</u></p> <p><u>Programming Coding 2CODE Purple Mash</u> To design and write a program that accomplishes a specific goal.</p> <p>To design and write a program that simulates a physical system.</p> <p>To use repetition commands.</p> <p>To introduce 'If' statements.</p> <p>Debugging.</p> <p>To introduce variables.</p> <p>E-Safety – Filters and Photoshop – Children</p>	<p><u>Scientists & Inventors</u></p> <p><u>Radicalization</u> To understand that people online may not be who they say they are.</p> <p>To understand the dangers of giving out personal information online.</p> <p>To understand the dangers of spending too much time online.</p> <p>Radicalization through the internet/ gaming – PREVENT.</p> <p>Vocabulary – E-safety, online safety, social media,</p>	<p><u>Superheroes</u></p> <p><u>Multimedia Augmented Reality</u> To create a virtual presence using an APP.</p> <p>To import images from a shared area into an APP.</p> <p>To record my voice and move images on a iPad.</p> <p>To create a story board for a digital play.</p> <p>To make and produce a digital play using the iPad</p> <p>To edit my saved files to make improvements.</p>	<p><u>What Do You Sea?</u></p> <p><u>Multimedia Design website</u> 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.</p> <p>Create year 6 leaver video</p>



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	<p>Acceptable Use policy shared with children including Internet use policy</p>	<p>correct work make text bigger smaller use colour</p> <p>✓ Produce a piece of writing.</p> <p>E-Safety – Web evaluation – children evaluate the content they are exploring.</p> <p>Vocabulary – device, laptop, computer, camera, type, keyboard, space bar, backspace, control, internet, world wide web, evaluate.</p>	<p>to learn about how images are changed and why this happens. – Positive body images and self-esteem – Link to SMSC</p> <p>Vocabulary – programming, code, debug, algorithm instructions, order, variables, commands, design.</p>	<p>radicalization, PREVENT, extremists.</p>	<p>E-Safety – Games, films and ratings PEGI. Children to look at different age certificates and why they are important.</p> <p>Vocabulary – Apps, applications, characters, icons, video, audio, augmented reality.</p>	<p>E-Safety – Miss use of Social media – Being impersonated and Impersonating others on social media, using other people’s accounts/ passwords.</p> <p>Vocabulary – Internet, web design, web page, design, data, presentation.</p>
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Computing

Whole-school coverage



Two Rivers Computing Curriculum

YEAR A – 2018-2019, 2020-2021, 2022-2023

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Red 2 (Early Years)	Digital Literacy Technology in our lives Technology in the environment	Information Technology – multi media Cause and Effect – mark making	Information Technology – multi media Touch Control	Digital Literacy ESafety	Information Technology – multi media IPad	Computer Science Programming
Red 3 & Red 4 (Years 1 & 2)	Digital Literacy ESafety	Information Technology – multi media Create, organise, store, manipulate and retrieve digital content.	Computer Science Programming	Information Technology – multi media Key Skills	Digital Literacy Technology in our lives.	Information Technology – multi media Data Handling
Yellow 1 & Yellow 3 (Years 3 & 4)	Digital Literacy ESafety	Information Technology – multi media Key skills	Computer Science Programming	Digital Literacy ESafety	Information Technology – multi media Computer Art – making music	Information Technology – Multimedia - Presentation Skills
Blue 1 & Blue 3 & Blue 4 (Years 5 & 6)	Digital Literacy ESafety	Information Technology Multimedia – Stop Frame animation	Digital Literacy Technology in our lives.	Computer Science Programming	Computer Science Programming	Information Technology Multimedia – Email



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YEAR B– 2017-2018, 2019-2020, 2021-2022

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Red 2 (Early Years)	Digital Literacy Technology in our lives Technology in the environment	Information Technology – multi media Cause and Effect – mark making	Information Technology – multi media Touch Control	Digital Literacy ESafety	Information Technology – multi media IPad	Computer Science Programming
Red 3 & Red 4 (Years 1 & 2)	Information Technology – multi media Key Skills	Information Technology – multi media Create, organise, store, manipulate and retrieve digital content.	Computer Science Programming	Digital Literacy ESafety	Digital Literacy Technology in our lives.	Computer Science Programming
Yellow 1 & Yellow 3 (Years 3 & 4)	Computer Science Programming	Digital Literacy ESafety	Information Technology – Multimedia - Pupils will create different effects with different technology tools.	Information Technology – multi media Combine a mixture of text, graphics and sound to share learning.	Digital Literacy ESafety	Computer Science Programming
Blue 1 & Blue 3 & Blue 4 (Years 5 & 6)	Computer Science Programming	Information Technology Become familiar with a range of devices	Computer Science Programming	Digital Literacy ESafety	Information Technology Multimedia – Augmented Reality	Information Technology Multimedia – Design website



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