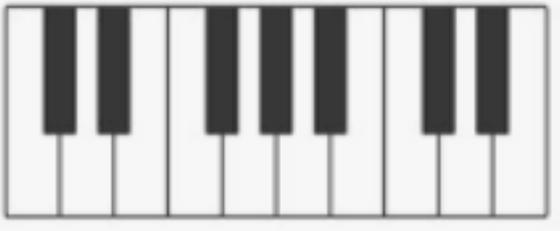


River Bank Primary Knowledge Organiser	Year 3	Computing - Spring 1	We are programmers (sequencing music)
What we will learn		Websites and links	
<p><u>'We Are Software Developers'</u></p> <p>In the final project, children will use an octave scale to mimic the behaviour of a piano. We will also be learning how to debug computer programs. We will be taught online safety to enable us to be safe internet users in school and at home.</p> <p>We are very excited because we will be using computing resources such as Chromebooks and laptops;</p> <ul style="list-style-type: none"> -to make a representation of a piano. -to understand and use variables. -to start to debug computer programs. -to recognise the importance of user interface design, including consideration of input and output. <p>In year 3, the children build on previous learning of using the software program 'Scratch' within the unit 'we are astronauts' where they learnt to command a sprite in the programme Scratch. The children will be introduced to a selection of motion, sound, and event blocks which they will use to create their own programs, featuring sequences. With this, the children will use an octave scale to mimic the behaviour of a piano. (information from 'Rising Stars Computing & National Computing Centre')</p>		<p>http://www.bbc.co.uk/guides/zchc4wx</p> <p>https://scratch-kids.en.softonic.com/</p> <p>https://scratch.mit.edu/studios/22847/</p> 	
 		<p>E-safety</p> <p>At River Bank we take e-safety very seriously and strive to make every child a safe internet user. We teach the children to be SMART online:</p> <p>S – Stay Safe: Don't give out your personal information to people/places you don't know.</p> <p>M – Don't Meet Up: Meeting someone you have only been in touch with online can be dangerous. Always check with an adult you trust.</p> <p>A – Accepting Files: Accepting emails, files, pictures or texts from people you don't know can cause problems.</p> <p>R – Reliable? Check information before you believe it. Is the person or website telling the truth?</p> <p>T – Tell Someone: Tell an adult if someone or something makes you feel worried or uncomfortable.</p>	
		<p>Key vocabulary</p> <p>Coding;</p> <ul style="list-style-type: none"> -breaks down programs into smaller parts. -uses reasoning to find and fix errors in algorithms (instructions) and programs. -choose and use a variety of software, systems and content that accomplish given goals. <p>Programming;</p> <ul style="list-style-type: none"> - computer programming is writing a group of instructions for a computer to process/execute. These instructions are typically used to solve a problem, or, to make larger problems shorter and easier to solve. 	

Quiz	<u>A</u>	<u>B</u>	<u>C</u>
What can you command in the programme Scratch?	A sprite.	A fairy.	A gnome.
What is coding?	Using a variety of software, systems and content that accomplish given goals.	Using a variety of hardware to accomplish given goals.	Using a variety of computers to accomplish given goals.
What does the A in 'SMART' stand for?	Accepting files.	Acute files.	Acrobatic files.
What can you create with the programme Scratch?	An animation.	A birthday card.	A building.
What animal is the sprite in Scratch?	Cat.	Dog.	Mouse.
What can you do to stay safe online?	Let an adult know you are on a computer	Share your personal information online	Talk to strangers