



River Bank Primary Knowledge Organiser	Year 5	Computing – Spring 1	We are artists
What we will learn		Websites and links	
<p><u>'We are artists'</u></p> <p>This half term you will be learning about and using graphics to explore geometric art (geometric is something associated with geometry, or the use of straight lines and shapes. An example of geometric is an art piece made from rectangles, squares and circles). You will take inspiration from the work from Escher, Riley and traditional Islamic artists, as well as experimenting with landscape art.</p> <p>In this unit, you will use a variety of software design and create digital content, in this case geometric art. This art can be seen as presenting information. You will compare how simple instructions create complicated images, and consider how the algorithms achieve effects.</p> <p>This unit will enable you to:</p> <ul style="list-style-type: none"> * develop an appreciation of the links between geometry and art * become familiar with the tools and techniques of a graphics programme * experiment with the tools available, developing your work and receiving feedback from your peers * develop some awareness of computer-generated art. 		<p>Software and tools</p> <p>Inkscape: http://inkscape.org/download/ Scratch: http://scratch.mit.edu www.shodor.org/interactivate/activities/Tessellate/ provides a simple web-based interactive interface for exploring tessellations. Please note, Java is required to view this website.</p> <p>Two alternatives to Inkscape are Adobe Illustrator www.adobe.com/products/illustrator/ and CorelDRAW www.corel.com Terragen Classic is available at http://planetside.co.uk/terrigen-classic-windows-download (Note that OS X versions after 10.7 are not supported.)</p> <p>Online tutorials</p> <p>Inkscape: http://inkscape.org/doc/basic/tutorialbasic.html http://inkscapetutorials.wordpress.com/ http://screencasters.heathenx.org/ www.youtube.com/watch?v=XnUH-k8zGbY Scratch: http://info.scratch.mit.edu/Video</p> <p>Tutorials</p> <p>Turtle graphics in Scratch: www.youtube.com/watch?v=JO2BTc7s38I Terragen: www.youtube.com/watch?v=5kAoNqRoxCs</p>	
<p>The turtle graphics work you will complete in this unit will provide another opportunity for you to develop your programming skills, drawing on sequencing and repeated ideas, as well as logical reasoning, algorithmic thinking and debugging, which you will be familiar with from other programming work completed so far this year or in previous years.</p> <p>(information from 'Rising Stars Computing')</p> 		<p>E-safety:</p> <p>We teach 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> 	

Quiz	<u>A</u>	<u>B</u>	<u>C</u>
What is geometric art?	Art made from rectangles, circles and squares	Art made from money	Art made from food
We teach SMART online, what does the R stand for?	Reliable	Reliant	Repeat
Geometric is something associated with...	geography.	geometry.	geology.
What skill might you use when programming?	Ordering	Cleaning	Debugging
What tools will you use to help you design and create digital content?	Vector graphics, turtle graphics and terrain rendering tools	Vector graphics, rabbit graphics and terrain rendering tools	Vector graphics, fox graphics and terrain rendering tools