Year 4 Computing

Summer 1: We Are Artists (Fusing geometry and art)

Session	National. Curriculum Statement	WALT	Learning Outcomes (Success Criteria)	Resources	Vocabulary
Subject Cultural Capital = Using & Applying computing knowledge to solve problems **Differentiation = please see the differentiation for the EXC EM & SEND (Please see SEND pupils IEPs when planning)** **Minimum expectations to check for understanding during lessons = targeted questioning / mini whiteboards/ peer talk /thumb signs** **Long term memory skill development strategy = LAST, LAST, LAST linked to the WALT** **Literacy & Numeracy skills development = ICT vocabulary bank linked to the WALT & include numeracy skills where they are linked to the WALT in the weekly planning**					
On Line Safety: If pupils use Google image seach to study examples of artists' work, this offers an opportunity to develop safe search habits. Precautions over protecting personal information should be in place if pupils upload work they create for others to see, and pupils should think about the protection of their own copyright.					
1. Creating simple tessellations using Inkscape	Use sequence, selection and repetition in programs; work with variables and various forms of output Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of content that accomplish given goals.	To create simple tessellations using Inkscape	Children can find examples of tessellations in the environment and record with a digital camera. Children experiment with tessellations in Inkscape.	Inkscape Scratch Ipads laptops	Tessellating Transformation tool
2. Creating more complex tessellations using Inkscape	Use sequence, selection and repetition in programs; work with variables and various forms of output Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of content that accomplish given goals.	To create more complex tessellations using Inkscape	Children research Escher's work on tessellations. Children experiment with more complex tessellations.	Inkscape Scratch Ipads laptops	Tessellating Transformation tool

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3. Programming Islamic-style art in Scratch	Use sequence, selection and repetition in programs; work with variables and various forms of output Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of content that accomplish given goals.	To program Islamic-style art in Scratch	Children research examples of repeating patterns in Islamic Art. Children can create patterns by repeating a shape and rotating through an angle and moving forward.	Inkscape Scratch Ipads laptops	Sprite turtle
4. Making a repeating pattern in Scratch	Use sequence, selection and repetition in programs; work with variables and various forms of output Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of content that accomplish given goals.	To create a repeating pattern in Scratch	Children can create a repeat loop and a custom block to make repeating patterns in Scratch	Inkscape Scratch Ipads laptops	Abstraction Repetition
5. Using Inkscape to create art in the later style of Bridget Riley	Use sequence, selection and repetition in programs; work with variables and various forms of output Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of content that accomplish given goals.	To use Inkscape to create art inspired by the later style of Bridget Riley	Children research the work of Bridget Riley. Children use Inkscape to create a design in the style of Bridget Riley.	Inkscape Scratch Ipads laptops	Abstraction Repetition
6. Using Inkscape to create art in the later style of Bridget Riley	Use sequence, selection and repetition in programs; work with variables and various forms of output Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of content that accomplish given goals.	To use Inkscape to create art inspired by the later style of Bridget Riley	Children can change the colour, shape, orientation, size across rows and columns of their designs. Children can use the symmetry tab in Inkscape.	Inkscape Scratch Ipads laptops	Abstraction Repetition