

CROSS-CURRICULAR CONNECTIONS

Art and Math



Conceptual Similarities

- Geometry
- Shape and form
- Measurement
- Proportion
- Patterning
- Symmetry



Common Vocabulary

- Asymmetrical, symmetrical
- Line, shape, angle
- Glide, reflect, rotate, translate
- Pattern, repetition
- Geometric, organic



Classroom Tools

- Rulers
- Protractors
- Shape stencils



Artist Examples

- Wassily Kandinsky
- Piet Mondrian
- Frank Lloyd Wright
- MC Escher
- Leonardo Da Vinci



Classroom Resources

- Brunetto, C.F. (1997). *Math art: Projects and activities*. New York: Scholastic Professional Books.
- Weltman, A. (2015). *This is not a math book*. Tulsa, OK: Kane Miller, a division of EDC Publishing.
- Majoongmul, G., & Kim, Y. (2015). *Math at the art museum*. Tantan Publishing.