

1145-N1-2426 **Marie P. Sheckels*** (msheckel@umw.edu), Department of Mathematics, University of Mary Washington, 1301 College Ave., Fredericksburg, VA 22401. *The Art of Mathematics*.

The Art of Mathematics is a one-semester First-Year Seminar in which students develop their skills in writing, speaking and research through exploring various mathematical topics and concepts that can be expressed artistically in a variety of different ways. Upon completion of this course, students should be able to identify and describe the mathematical components of various art works and create their own mathematical art. Topics include various forms of symmetry, types of patterns, tessellations, similarity transformations, iteration, fractals, depth and perspective, tilings, and computer-generated art. Assignments include a visit to an art gallery, written analysis of the mathematical aspects of art works, a group presentation and the development of an art portfolio with their own work. Students with differing artistic and mathematical talents and experience all found the material accessible. Most students were enthusiastic about discovering how the two areas of mathematics and art intersect and how the application of mathematical concepts can be used to help create works of art (Received September 25, 2018)