

1125-D1-3124 **James M Henle*** (jhenle@smith.edu). *The Mathematical Art: A course for beginning artists*. Preliminary report.

By “the mathematical art” I do not mean mathematics in the service of art, or mathematics inspiring or enabling art. I do not mean, for example, the sort of art exhibited at this conference. I mean mathematical structures, ideas, as the works of art.

This is a course I have taught at Smith College for students with no special background in math. I introduce students to some simple genres of the art (games, dances, numeration systems, puzzles, etc.) and they create their own works. The students serve alternately as artists and as critics. We discuss aesthetic principles of the art.

The course concludes with a curated campus exhibit of the students’ mathematical artworks. (Received September 21, 2016)