

1116-VO-1872 **Meghan M De Witt*** (mdewitt@stac.edu), St Thomas Aquinas College, 125 Route 340, Sparkill, NY 10976. *Girls Exploring Mathematics: A female-centric outreach program*. Preliminary report.

We report on the progress of a new outreach program for female high school students. GEM consists of a double-layer of mentoring: the professor mentors several undergraduates, and they in-turn mentor high school students. We explore various subjects in mathematics, including tessellations and fractals, from a mathematical and an artistic point of view in the hope that more female students will become interested in pursuing mathematical studies. (Received September 21, 2015)