

1125-R1-1784 **Meghan De Witt*** (mdewitt@stac.edu). *GEM: Girls Exploring Mathematics*.

We describe an outreach program creating math clubs for girls in local high schools, sponsored by MAA/Tensor. Four undergraduate female math students are taught to design and prepare a lesson plan and then brought to two different local high schools where they teach an after school club. Topics include Platonic and Archimedean Solids, the Fibonacci Numbers and the Golden Ratio, and the mathematics of architecture. Each club meeting covers the necessary mathematics, highlights the history of the topic, and culminates in a creative art project utilizing their new-found knowledge. (Received September 19, 2016)