

1067-E1-305

Mark A Miller* (millerr@marietta.edu), Department of Math, Computing & Info Systems, Marietta College, Marietta, OH 45750. *Geometry then and now: Making room for Euclid in the 21st century mathematics curriculum.*

For centuries, Euclid's *Elements* served as a standard mathematics text. While much has changed in mathematics education since the days of Euclid, an argument can be made that Euclid still has a great deal to offer high school students. In this talk, we will consider ways to incorporate ideas from Euclid's *Elements* into upper level courses for students planning to teach at the secondary level. We will also consider some historical, cultural, philosophical, and material that a study of Euclid may provide for our students. (Received August 18, 2010)