

1077-E1-441

**Cynthia J. Woodburn\*** ([cwoodbur@pittstate.edu](mailto:cwoodbur@pittstate.edu)), Mathematics Department, Pittsburg State University, 1701 S. Broadway, Pittsburg, KS 66762. *Mayan Geometry in the Classroom*. Preliminary report.

When the mathematics of the Mayan civilization is studied, it is typical to include a look at their elegant numerical system and their elaborate calendar systems, but often Mayan geometry is overlooked. It has recently been discovered by archaeologist Dr. Christopher Powell, that instead of using a standard unit of measure in the geometry related to construction, the Mayans used certain standard proportions (including the golden ratio) that continue to be used by modern Maya shamans today. We'll take a look at Dr. Powell's findings and discuss how his results can be used as a hands-on activity with students in a variety of classes. (Received September 01, 2011)