1106-15-1857   **Erica Johnson*** (`john1501@ravens.benedictine.edu`) and **Paula Egging** (`eggi1576@ravens.benedictine.edu`). *Triphos: An alternative coordinate system.* Preliminary report.

In this presentation, we will explore characteristics and properties of the Triphos coordinate system, an alternative, two-dimensional coordinate plane consisting of three axes evenly spaced 120 degrees apart. The idea of this coordinate system came from students at Emporia State University. After hearing a talk on the topic from Keely Grossnickle, we were inspired to further research. We will discuss similarities and differences between the Triphos system and the traditional Cartesian coordinate system, as well as some advantages and applications of this unique coordinate system. (Received September 15, 2014)