

1086-G5-1858 **Annala R Kelly*** (a3kelly@bridgew.edu). *Projects in Linear Algebra*. Preliminary report.

My talk will describe how the theory and applications of linear algebra merge together for my students. The students work in groups of two to study problems from business, biology, physics, engineering, mathematics or other fields that can be solved using linear algebra tools. The students use Maple for their calculations and organize their results on a poster. The culmination is a presentation to classmates during the class and a poster presentation at the campuswide Mid-Year Symposium for Freshmen and Sophomores. (Received September 24, 2012)