Rebecca Swanson* (swanson@mines.edu), Applied Mathematics & Statistics, Colorado School of Mines, 1500 Illinois St., Golden, CO 80301, Deb Carney (dcarney@mines.edu), Applied Mathematics & Statistics, Colorado School of Mines, 1500 Illinois St., Golden, CO 80401, and Nic Ormes (normes@math.du.edu), Department of Mathematics, University of Denver, Aspen Hall 715B, Denver, CO 80208. A Team-Based Approach to a Partially Flipped Linear Algebra Class. Preliminary report.

In this talk we will discuss our partially flipped introductory linear algebra course. We will provide motivation for our design and our process of implementation. Three faculty members worked collaboratively across two universities to develop videos and activities. Our preliminary results indicate that we were successful in increasing student exam performance and lowering DFW rates. Additionally, survey data indicates our students were generally positive about their flipped learning experience. (Received September 08, 2014)