

1125-E5-2977 **Timothy O Trujillo** and **Kelley Tatangelo*** (kbtatangelo@mines.edu), 1500 Illinois St.,
Golden, CO 80401. *Implementing a partially flipped team-based approach to linear algebra.*

We discuss a coordinated effort over the past three years among instructors at the Colorado School of Mines to implement a partially flipped linear algebra classroom. The model followed by the instructors, described in [?], was developed by three professors from two universities.

Students are asked to watch short 10-15 minute videos before each class which prepare them for daily activities in the classroom. In turn, daily group activities are used to introduce students to the concepts and ideas covered in the lecture at the end of each class. Students are assessed in a variety of ways including: online video response questions through Google Forms, daily group activities, mathematical reasoning days, weekly worksheets and exams. We will discuss the technology used to implement the courses and the impressions of the students and instructors using the model.

References

- [1] DEBRA CARNEY, NICHOLAS ORMES & REBECCA SWANSON, *Partially Flipped Linear Algebra: A Team-Based Approach*, *PRIMUS*, vol. 25 (2015), no. 8, pp. 641–654.

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