

1135-H1-1567 **Mike Weimerskirch*** (weim0024@umn.edu), 206 Church St. SE, Minneapolis, MN 55441. *Video Textbooks in the Active Learning Classroom.*

As our computational power increases with each new technological advance, our need for proficiency in higher-order thinking skills grows. That is the thought behind the flipped classroom, which enables instructors to focus on deeper thought processes during class time, while relegating routine tasks to readings, videos and practice that students do outside of the classroom. The standard approach is to record video lectures based on a printed text. A better approach is to begin the instruction with the video as the primary source of imparting information to students. Video offers a greater flexibility in presenting concepts and connecting ideas. The University of Minnesota now uses open source video textbooks to teach its pre-calculus courses in active learning classrooms. Data will be presented on the effectiveness of this initiative, which is now in its fifth year. (Received September 23, 2017)