

1096-E1-2670 **Nathan P Clements*** (clementsuywo@gmail.com). *Journey Into Flipping the Calculus I Classroom*. Preliminary report.

Though I have been assigning online videos as homework for several semesters, only recently did I start using them to replace direct instruction. This presentation will discuss my journey into flipping my classroom, including my initial reluctance, what finally forced me into it, and how my concerns were resolved.

Replacing instruction with videos gave more class time to the students to practice problems. The conversations during these sessions quickly showed me the understanding level of my students. In the traditional approach, I wouldn't discover my weaker students were until after the first exam. Now I know them by the end of the 2nd week of class.

I can easily defer the procedural skills (such as use of the power rule) to videos. Still many topics I feel I must teach directly. Only about half the class time is spent practicing problems, with the other half in direct instruction. This is still a work in progress. (Received September 17, 2013)