

1096-M5-2501 **Joe Latulippe*** (jlatulip@norwich.edu), 158 Harmon Drive, Mathematics Department,
Norwich University, Northfield, VT 05663. *A complete technological transformation: From chalk to
clickers and PowerPoint.* Preliminary report.

Implementing new teaching strategies can be daunting, but after many years of teaching university calculus using traditional lectures, it was time for a change. In this talk we will explore my transition from reliance on a chalkboard to an all-encompassing technological classroom environment. In my efforts to increase student engagement in the classroom, a review of teaching research led me to using clickers and in-class voting in calculus. I will share lessons learned, pitfalls, and insights about incorporating PowerPoint slides and clicker questions into calculus lectures. In addition to reflections on my own teaching transformations, a preliminary report on the impact of clickers on student performance and engagement will be presented. (Received September 17, 2013)