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Michelle R DeDeo* (mdedeo@unf.edu). *Over A Decade of Improving Pass Rates in Gateway Mathematics Courses using Interactive Software.*

In October 2009, ENLACE Florida, a network of eight state universities promoting college-readiness, access, and success for underrepresented students in Florida, published an in-depth policy brief evaluating successful strategies in Gateway classes such as College Algebra and Finite Mathematics. Its results supported the findings in my paper entitled “Improving Pass Rates in Mathematics using Interactive Software” which gave a positive assessment of the use of software in the teaching of College Algebra.

Both papers forwarded the idea that interactive mathematics software promotes increased retention and success for students in College Algebra courses and that those students were engaged in learning both at school and at home.

Not only have these findings been confirmed over the past decade, one system in particular proved to be successful, flexible and a better fit than the others tested. This talk updates those results and discusses the continued success.

We evaluate over a decade’s worth of study, present student and instructor feedback, and compare how well the students performed in sections that utilized software versus: (1) those instructors who made use of the system optional, (2) those who used another system, and (3) those that did not use any system at all. (Received September 21, 2012)