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Cynthia Y. Young* (cynthia.young@ucf.edu), Department of Mathematics, University of Central Florida, Orlando, FL 32816, and **Heidi A Eisenreich**. *The Impact of WHYU and the Khan Academy on Student Learning in Mathematics*. Preliminary report.

In the Fall 2012, a preliminary study was conducted at the University of Central Florida to ascertain the impact of animations (WHYU and Khan Academy) on student learning and affective measures in mathematics. Results of that study were presented at Joint Math 2012. In the Spring of 2013, the experimental design was altered and the impact of the Khan Academy was assessed in Intermediate Algebra courses and the impact of WHYU was assessed in Precalculus courses. Two Intermediate Algebra classes were taught with the same format with one exception- one class was shown one Khan Academy per week over 10 weeks. Two Precalculus courses were taught with the same format with one exception- one class was shown a 10 minute WHYU video on sequences and series. Three assessments were administered in both studies: one pre-test, one post-test immediately during the week the content was presented and one post-test the last week of the semester. Results of these Spring 2013 studies will be presented. (Received September 16, 2013)