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Rachel M Bates* (rachel.bates@redlandsc.edu), 1300 S. Country Club RD, El Reno, OK 73036. *Computers and Constructivist Learning Environments: Pedagogy and Achievement in College-Level Mathematics*. Preliminary report.

To what extent can computers be used to help teachers create a constructivist learning environment in the post-secondary mathematics classroom? In this study, data from 46 post-secondary college algebra classes and 7 teachers were examined to determine the extent to which computers can alter pedagogy and student achievement. This study examined two groups of teachers: Experienced users of the new pedagogy and materials and beginning users of the new pedagogy and materials. Results suggest computers can positively alter both pedagogy and student achievement. Implications for using computers in the classroom are discussed. (Received August 23, 2017)