

Abstract Submitted  
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**Sparking Curiosity: Physical Science for Elementary Teachers<sup>1</sup>**

WENDY ADAMS, HEATHER TAFFE, ANSEL FOXLEY, KUI CHEN, University of Northern Colorado, ADRIANNE N. LARSON, Chicago Public Schools — PhysTEC support has allowed three new faculty members to adopt our research based curriculum in the Physical Science Concepts for Elementary Teachers course at the University of Northern Colorado. This curriculum is based on the ISLE framework and uses Peer Instruction as well as other research based practices. In this poster we will share pre/post conceptual data as well as CLASS results for the course before and after this new curriculum. The new instructors are showing student normalized learning gains between 48% and 58% and their students' personal interest in physics, as measured by the CLASS, increases between 6% and 22% as compared to decreasing by 13% when taught traditionally.

<sup>1</sup>Sparking Curiosity: Physical Science for Elementary Teachers

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