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Evaluating a model of research-based practices for teacher preparation in a physics department: Colorado PhysTEC

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- build faculty awareness and application of productive educational practices, and to increase faculty support of teaching as a career;
- develop these efforts and links with synergistic programs in a sustainable (and scalable) manner;
- conduct research on each of the above issues – both the specific, e.g., how do students interact with computer simulations? and the broader: e.g., what is the nature of these structures? What does it mean to replicate successful programs?

COLORADO PHYSTECH PROGRAM

The Colorado PhysTEC program is a model of coordinated courses and practices of induction, community partnership, and research. The effort links several existing programs, including an NSF CCLI, the STEM-Colorado Teacher Preparation program, and the newly developed physics education research group at Colorado. By coordinating these efforts we aim to provide students a suite of structured activities to support their induction into teacher preparation, create strong partnerships wi

faculty to showcase their reformed courses and share web-based resources. The Colorado PhysTEC Program has capitalized on these experiences by inviting some of the summer workshop teachers, and other local science teachers

courses.¹⁴ More on these efforts can be found