

Abstract Submitted
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An online community for faculty teaching physics or physical science to preservice teachers¹ EDWARD PRICE, California State University San Marcos, FRED GOLDBERG, San Diego State University, STEVE ROBINSON, PAULA ENGELHARDT, Tennessee Tech University, CHANDRA TURPEN, University of Maryland, College Park, MELISSA DANCY, University of Colorado, Boulder, SEAN SMITH, Horizon Research, Inc. — The *Next Generation Physical Science and Everyday Thinking* Faculty Online Learning Community (*Next Gen PET FOLC*) provides opportunities to improve instruction, conduct classroom research, and study student thinking in the context of physics or physical science courses for preservice elementary teachers using the *Next Gen PET* curriculum materials. Informed by research on course transformation, the *Next Gen PET FOLC* is a structured and supported faculty community, which, together with high-quality, flexible curricular materials is intended to achieve far-reaching and sustainable educational transformation. The community includes i) experts who can provide long-term support and promote reflection, ii) an internal structure of faculty clusters, and iii) supporting tools such as curricular materials and communication platforms. Participating faculty will develop expertise through collaboration and knowledge generation. Currently, *Next Gen PET FOLC* includes a project team and 10 faculty with extensive experience teaching previous versions of the materials; additional faculty participants are being recruited for summer 2017 (see <http://www.ngpfolc.org/>). This poster will describe the *Next Gen PET FOLC* and how faculty can become involved.

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