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James Álvarez, Elizabeth G. Arnold, Elizabeth A. Burroughs* (burroughs@montana.edu) and **Elizabeth Fulton**. *The Mathematical Education of Teachers as an Application of Undergraduate Mathematics*.

The Mathematical Education of Teachers as an Application of Undergraduate Mathematics (META Math) is a project to create, pilot, and field-test materials for use in undergraduate mathematics and statistics courses taken by pre-service teachers. Materials in calculus, discrete mathematics, algebra, and statistics showcase vital connections between college mathematics and the mathematics taught in high school. Drawing on recommendations in the *Mathematical Education of Teachers II* (CBMS, 2012) and the *Statistical Education of Teachers* (ASA, 2014), the project puts attending to the needs of pre-service teachers on par with attending to the needs of other undergraduate students by focusing on applications related to high school mathematics teaching. These applications will benefit all undergraduates in these courses, not just those preparing to be teachers. (Received September 25, 2017)