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Mathematics + SENCER = Student Learning.

Science Education for New Civic Engagements and Responsibilities (SENCER) is a comprehensive national dissemination project funded by the NSF. This presentation will be an introduction to SENCER followed by some discussion issues specific to mathematics.

The goal of SENCER is to engage student interest in the sciences and mathematics by supporting the development of undergraduate courses and academic programs that use "best practices" in order to teach basic science and mathematics "through" complex, capacious, and unsolved public issues. Assessment has been embedded within the SENCER project from day 1, including requiring every funded project to use a special Student Assessment of Learning Gains tool. Each year, the project holds an Institute for faculty that includes a deliberate introduction to the Scholarship of Teaching and Learning.

Since 2000, SENCER has promoted many science courses, but until recently has found a dearth of undergraduate mathematics (or quantitative literacy) courses that work on the same model. Many mathematicians are teaching math courses through issues civic engagement and we would like to connect with you. (Received September 12, 2008)