

**ZMATH 2007d.00034**

**Smith, Beverly**

**Promoting inquiry-based instruction and collaboration in a teacher preparation program.**

Math. Teach. (Reston) 100, No. 8, 559-564 (2007).

Summary: This article describes how mathematics and science teacher educators collaborated to promote the use of high-level tasks and inquiry-based instruction in high school classrooms. Working with a colleague in the School of Arts and Sciences, education professors developed and team-taught a model inquiry-based lesson. Then teacher candidates were asked to design high-level inquiry-based tasks and maintain the level of those tasks as they engaged their peers in similar micro-teaching activities. (Contains 3 figures and 2 online resources.) (ERIC)

*Classification:* B50 D49

*Keywords:* integrated curriculum; mathematics/science teachers; preservice teacher education; secondary schools; team teaching; teacher educators; science teachers; inquiry; teaching methods; teacher collaboration;