

**Meeting:** 1003, Atlanta, Georgia, MAA CP W1, MAA Session on In-Service Training Programs For K–12 Mathematics Teachers

1003-W1-723      **Anant Godbole\*** (godbolea@etsu.edu). *The ETSU M.S. Program in the Teaching of K-8 Mathematics*. Preliminary report.

Starting in the Spring of 2004, East Tennessee State University has begun administering an M.S. program in the Teaching of K-8 Mathematics to a cohort of 24 teachers in Southwest Virginia. We are particularly proud of the fact that our out-of-state program was chosen by school administrators due to its innovative content; the corresponding high school program is being offered by the University of Virginia. The 30 hour M.S. curriculum features five courses in mathematics; two in mathematics research; and three in pedagogy. This talk will focus on three aspects: (i) the need for the program and the rather indirect relation to the "No Child Left Behind" legislation (ii) the course content and choice of materials; and (iii) the research component, which is in two parts – Independent Study and Thesis. The Independent Study course is an introduction to a research experience. The Thesis course is a second research experience on problems with "low thresholds" and "high ceilings".

We will end by speaking of three publishable Independent Study projects conducted by teachers during the summer of 2004. (Received September 28, 2004)