

Meeting: 1003, Atlanta, Georgia, MAA CP G1, MAA Session on Drawing on Our Students' Thinking to Improve the Mathematical Education of Teachers

1003-G1-281 **Don D Gilmore** (gilmored@mscd.edu), Campus Box 38, P.O. Box 173362, Denver, CO 80217-3362, and **Jim Loats*** (loatsj@mscd.edu), Campus Box 38, P.O. Box 173362, Denver, CO 80217-3362. *A Connected Approach to Mathematics For Pre-Service Elementary Teachers*. Preliminary report.

During this 20-minute session, participants will see samples of locally developed materials for a very successful sequence of problem-based mathematics content courses for pre-service elementary teachers. We'll share examples of our students' work, and describe the methods that we use to focus all class activities on deep understanding of crucial mathematical concepts. The development of these courses has been a 10 year process; this past year the development of a new third course in the sequence has been partially funded by a PMET grant. (Received September 07, 2004)