

1035-L1-1273      **Robert G Stein\*** (bstein@csusb.edu), Robert G. Stein, 3823 S. E. Woodward Street, Portland, OR 97202. *Guided Discovery: Theoretical Implications and Practical Considerations.*

This talk examines the views of mathematics and mathematics teaching implicit in guided discovery lessons and contrast them with the views implicit in other, more conventional, approaches. The practical advantages (and limitations) of guided discovery as a teaching technique will be illustrated through three examples from algebra: the remainder theorem, self-inverse functions, and the Lagrange interpolation formula. (Received September 19, 2007)