

1077-O1-2709      **Dennis C. Ebersole\*** (debersole@northampton.edu), 3835 Green Pond Road, Bethlehem, PA  
18049. *Using 3-D Manipulatives to Teach Calculus.*

A manipulative that allows students to create graphs in 3-D has been shown to increase student success and learning. The presentation will discuss activities that use the manipulative to help students visualize various calculus concepts. (Received September 22, 2011)