

1014-97-1534      **Sylvia T. Bozeman\*** (sbozeman@spelman.edu), Box 270 Spelman College, Atlanta, GA 30314.  
*Building a Nurturing Mathematics Community.*

A collection of small efforts can create a nurturing environment for students in the lower level mathematics courses who plan to go higher. This presentation identifies mechanisms for building a community that assists students in making the transition from lower level mathematics courses to upper level ones and that encourages them to become mathematicians, scientists, and engineers or, at the least, advocates for mathematics. We focus here on ways to promote mathematical maturity, instill confidence and promote leadership development. For those students who choose graduate mathematics programs and academic careers, how can the larger mathematics community continue to nurture them? Some structures for mentoring graduate students and junior faculty will be discussed. (Received September 28, 2005)