

1106-AG-2299 **Carol S Schumacher***, Department of Mathematics and Statistics, Kenyon College, Gambier, OH 43022. *What we say/What they hear: Culture Shock in the Classroom.*

In addition to learning specific mathematical content, our students need to learn to think like mathematicians. Indeed, helping them to do this should be at the center of every class we teach. Our students must become immersed in a kind of mathematical “sub-culture” in which they develop skills and practices that allow them to thrive when doing mathematics. Acculturation is most naturally achieved through total immersion in the culture; thus, an inquiry-based classroom in which students are actively engaged in mathematical problem-solving and in which they are required to explain and justify their reasoning is the ideal environment in which to acculturate our students as mathematicians. (Received September 16, 2014)