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**Kien H Lim\*** ([kienlim@utep.edu](mailto:kienlim@utep.edu)), Department of Mathematical Sciences, University of Texas at El Paso, El Paso, TX 79968-0514. *Undesirable Habits of Mind of Pre-service Teachers: Strategies for Addressing Them.*

In order to help students develop mathematical habits of mind teachers must possess those habits themselves. Many pre-service K-8 teachers, however, enter colleges with undesirable habits of mind such as spontaneously proceeding with an action that comes to mind without analyzing the problem situation, and not attending to meaning of numbers and symbols. Such habits of mind will negatively impact what and how they learn. For example, students tend to focus on procedures for solving problems rather than on their underlying mathematical structures. A study is being conducted to investigate the viability of posing problems for which a recently learned idea would not work to foster the habit of identifying quantities and relationships among quantities. Preliminary results show that habits of mind are resistant to change. (Received September 16, 2008)