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**Building Bridges: Improving the Teaching Practices of TAs in the Mathematics Department.**  
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Investigated how a mathematics pedagogy course challenged teaching assistants' (TAs') beliefs about the teaching and learning of mathematics and informed their teaching practice. Found that TAs adopted a different set of beliefs about the teaching and learning of mathematics and that several constraints (institutional, cultural, a lack of appropriate models of teaching) acted as barriers prohibiting instructional change. (ERIC)

*Classification:* B40

*Keywords:* teaching assistants