

Biographical Sketch
Kerry McKee

Ph.D. New Mexico State University 2014	Interdisciplinary – C&I and Mathematics
M.S. New Mexico State University 2007	Mathematics
M.S. University of North Texas 2003	Secondary Mathematics Education
Teaching Certification University of Texas at Austin 1997	Secondary Mathematics
B.S. New Mexico State University 1994	Mathematics

PROFESSIONAL EXPERIENCE

2017-Present	Every Little Blessing El Paso, TX	Director
2004-2014	New Mexico State University, Las Cruces, New Mexico	Teaching/Research Assistant MC ² 2004-2006 Math Snacks 2012-2014
2002-2003	University of North Texas, Denton, Texas	Admissions and Advising for Online Masters/Certification Program Instructor Math Methodology for Elementary Education Majors
2001-2003	University of Houston, Houston, Texas	Reading First - Data Collection on NSF Funded Reading Grant in Texas
1997-2001	Carrollton-Farmers Branch School District Carrollton, Texas	Middle and High School Math Teacher

TEACHING/EDUCATION EXPERIENCE

- Experienced with varied teaching methods for a broad spectrum of students from disadvantaged to gifted, from middle school to graduate students, as well as students whose native language is not English.
- **Courses Taught:** Pre-algebra and algebra for middle and high school students, math for elementary education majors at University of North Texas, inservice math for teachers, college Algebra for undergraduate students, a transition-to-proof course for beginning graduate and advanced undergraduate students at New Mexico State University, Proofs – a design experiment at New Mexico State University, proof supplement for undergraduate real analysis.
- **Design Experiment:** In 2007, a two-year grant was received from the Educational Advancement Foundation to develop and study a course to improve the proving skills of beginning graduate and advanced undergraduate students.
- **Grants:**
 - Worked with inservice teachers across New Mexico as part of the Mathematically Connected Communities (MC²) Grant funded through the National Science Foundation

(NSF). Helped to introduce teachers to research based, reformed curriculum and provide the appropriate support as they implemented the curriculum. Organized and conducted a curriculum evaluation by mathematicians, math education experts, school administrators and math teachers with criteria based on the process standards put forth by NCTM.

- Worked developing and implementing bilingual curriculum materials as part of the Math Snacks Grant funded through the NSF. Created and implemented animations and games designed to help all students with specific mathematical concepts that students nationwide find challenging. Helped conduct research on the curriculum materials showing they worked with all students including those with special needs and English language learners.
- Served as the entrepreneurial lead on an ICORP Grant through the NSF. In this capacity I helped cultivate customers, determine the viability of educational products and gave numerous presentations to members of the NSF as well as selected entrepreneurs chosen to mentor the ICORP teams. After the conclusion of the grant, the NSF asked me to speak in Washington D.C. to members of the NSF as well as grant recipients about my experience. In addition, the NSF has referred potential grant recipients to view the materials we developed as part of the grant in order to see an example of a successful team.

RESEARCH AND SCHOLARLY PUBLICATIONS

1. McKee, K. L. (2014). *The relationship between teacher practices and mathematical goals in a non-traditional university mathematics course.*
2. “Making Actions in the Proving Process Explicit, Visible, and ‘Reflectable,’ ” (with A. Selden, M. Savic, and J. Selden). In *Proceedings of the 13th Annual Conference on Research in Undergraduate Mathematics Education.* Available at <http://sigma.maa.org/rume/crume2010/Archive/McKee.pdf>.
3. “Affect, Behavioral Schemas, and the Proving Process,” (with A. Selden and J. Selden). *International Journal of Mathematical Education in Science and Technology*, 41(2), 199-215, 2010.
4. “Teaching Advanced Students to Construct Proofs,” (with J. Selden & K. McKee). In O. Figueras, J. L. Cortina, S. Alatorre, T. Rojano, & A. Sepulveda (Eds.), *Proceedings of the Joint Meeting of PME 32 and PME-NA XXX* (p. I-305), 2008. Longer handout available.
5. “Improving Advanced Students Proving Abilities,” (with J. Selden & A. Selden). A paper for *ICME-11 Topic Study Group 18: Reasoning, proof and proving in mathematics education*, 2008. Available online at: <http://tsg.icme11.org/tsg/show/19>.
6. “The Relation Between Affect and the Proving Process,” (with A. Selden & J. Selden). A paper for *ICME-11 Topic Study Group 17: Research and development in the teaching and learning of advanced mathematical topics*, 2008. Available online at: <http://tsg.icme11.org/tsg/show/18>. A reprint is also available from The Legacy of R. O. Moore Project at: www.discovery.utexas.edu/rfm/reference/html .
7. “The Role of Nonemotional Cognitive Feelings in Constructing Proofs,” (with J. Selden and A. Selden). *Proceedings of the 11th Annual Conference on Research in Undergraduate Mathematics Education*, 2008 Available online at www.rume.org/crume2008/eproc.html.
8. Trujillo, K. M., Savic, M., & McKee, K. (2013). Teachers learn how to effectively integrate mobile technology by teaching students using Math Snacks animations and games. *Pedagogical applications and social effects of mobile technology integration.* Jared Keengwe. IGI Global.

Hershey, PA.

9. Trujillo, K., McKee, K., Burns, A. (2013). *Math Snacks: How animations and games can lead to conceptual understanding of middle school math*. Jacksonvill, Fla.
10. Trujillo, K., McKee, K., Trespalacios, J.H. & Aguirre, V. (2012). *Learning about the Coordinate Plane through game based learning: A case study on Math Snacks Summer Camp 2012*. Rocky Mountain Education Research Association Annual Conference. Las Cruces, NM.

COMMUNITY AFFILIATIONS

- Down Syndrome Coalition for El Paso, Board Member - Treasurer
- First Presbyterian Christian Preschool, Board Member – Secretary
- Junior League of El Paso, Sustaining Advisor – Gigi’s Playhouse El Paso, Headquarters committee
- Junior League of El Paso, Board and Council Member – “A Christmas Fair” Finance Chair, Advisory & Strategic Plan Chair, Grant Writer Chair, Endowment Committee Chair
- Kids Excel El Paso, Board Member – Treasurer