

Lesa L. Beverly

Professional Preparation

- **Ph.D.** – Virginia Polytechnic Institute and State University.
- **M.S.** – Virginia Polytechnic Institute and State University.
- **B.S.** – University of Virginia's College at Wise.

Appointments

- 2007 – Present Associate Professor, Department of Mathematics and Statistics, SFASU
- 2004-2007 Assistant Professor, Department of Mathematics and Statistics, SFASU
- 2000-2004 Assistant Professor, Department of Mathematics, UT Tyler
- 1994-2000 Graduate Teaching Assistant, Virginia Tech

Publications

- Beverly, L., Childs, K, “MSTAR Middle School Mathematics Academies, Grades 7 & 8”, published by Region XIII Educational Service Center with funding provided by Texas Education Agency, May 2010.
- Beverly, L. et al, “MSTAR Geometry”, published by Region VII Educational Service Center with funding provided by Texas Education Agency and Texas Regional Collaboratives, May 2010.
- Beverly, L. et al, “Mathematics TEKS Connections: Geometry”, developed by Texas A&M University and funded by the Texas Education Agency, 2006.
- Beverly, L. et al, “Ensuring Teacher Quality: Algebra I”, developed by the University of Texas at Austin Charles A. Dana Center for the Texas Higher Education Coordinating Board, December, 2004.
- Beverly, L. et al, “Supporting & Strengthening Standards-based Mathematics Teacher Preparation: Guidelines for Mathematics and Mathematics Education Faculty”, published by the University of Texas at Austin Charles A. Dana Center, December, 2003.
- Beverly, L., Mitchell, D., Mitchell, R., and Smith, N., “Excursions in Mathematical Algorithms and Computing”, 2001.
- Gibbs, G.V., Boisen, M.B., Jr., Beverly, L., and Rosso, K., “A Computational Quantum Chemical Study of the Bonded Interactions in Earth Materials and Structurally and Chemically Related Molecules”, *Reviews in Mineralogy & Geochemistry*, Vol. 42, 2001, p 345-381.
- Beverly, L., “The Creation of Algorithms Designed for Analyzing Periodic Surfaces of Crystals and Mineralogically Important Sites in Molecular Models of Crystals”, PhD dissertation, 2000.

Synergistic Activities

- Grants
 - Project Co-Pi and Project Director for project entitled “Texas Leadership Initiative: Mathematics Instruction Transformed”, \$1.5 million from the National Science Foundation with \$750,000 in-kind matching funds from SFASU. Project period 2009 – 2015.
 - Project Co-PI (2007 - present) for a National Science Foundation Grant awarded to SFASU under Math/Science Partnerships. Project entitled "Texas Middle and Secondary Mathematics Project." Grant award approximately \$3.1 million. Project period 2003 – 2009.

- ``Teaching All Children Knowledge and Skills" (TACKS) AMI/ARI (Accelerated Math/Reading Initiative) Grant w/ Region VII Education Service Center, \$300,000, funded 2005 -- 2006 to provide professional development in mathematics to third, fourth, and fifth grade teachers in the Region VII service area.
- Project PI Teacher Quality Grant, ``An In-Depth Exploration of Algebra", \$121,881, funded 2005 – 2006 to provide professional development to East Texas high school and middle school algebra teachers.
- Project PI Teacher Quality Grant, ``Algebra, Technology, and the Problem Solving Process", \$110,829, funded 2004 – 2005 to provide professional development to East Texas high school and middle school algebra teachers.
- Project PI Teacher Quality Grant, ``New Dimensions: Transforming Geometry Through Technology", \$92,500, funded 2003 – 2004 to provide professional development to East Texas high school geometry teachers.
- Project PI Eisenhower Professional Development Grant, ``Geometric Reasoning: The Shape of Things to Come", \$106,939, funded 2002 – 2003 to provide professional development to Tyler ISD middle school teachers in the area of geometry.
- Liaison between SFASU's Department of Mathematics & Statistics and NETnet, 2008 – 2009.
- Consultant for the CSCOPE mathematics curriculum project, 2007.
- Co-developed a 5-hour precalculus course and a 3-course 4-hour Calculus sequence with mandatory laboratory experience for SFASU.
- Co-developed course materials for math specialist courses at SFASU.
- Webmaster for the SFASU Department of Mathematics and Statistics and chair of the departmental web committee, August 2005 – 2008.
- Alpha Chi Outstanding Teacher in Science and Mathematics at UT Tyler, Fall 2002.
- Project NExT fellow 2001– 2002.
- Texas NExT fellow 2001–2002.
- Teacher Quality Training, invited seminar leader for the "Ensuring Teacher Quality: Algebra I" module, Austin, TX, March, 2006.
- Higher Education Conference, invited breakout session leader, 2003 – 2005.
- Mentor for participants of the Texas State Middle and High School Math Project at SFASU, 2002 – 2003.

Collaborators

- SFASU: Deborah Pace, Kimberly Childs, Clint Richardson, Roy Joe Harris
- UTT: Nathan Smith
- Education Service Center VII: Jane Silvey, Linda Bruton, Liz Scott

Graduate Advisor

- Dr. Monte B. Boisen, Jr. -- University of Idaho, chair