



**Curriculum Vita
September 2023**

Instructor: Dr. Gil Naizer

Academic Department: Curriculum and Instruction

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EDUCATION

Ph.D., Curriculum and Instruction (Science Education)
Texas A&M University, 1993.

M. Ed., Curriculum and Instruction (Science Education)
Texas A&M University, 1990.

B.S., Wildlife and Fisheries Science
Texas A&M University, 1984.

Certifications: Secondary Education Science Composite, Texas, July 1986 – Life Certificate.

TEACHING EXPERIENCE

2010 - Current, Professor, Department of Curriculum & Instruction, Texas A&M University
Commerce

2001 – 2010, Associate Professor, Department of Curriculum & Instruction, Texas A&M
University Commerce

1997 – 2001, Assistant Professor, Department of Elementary Education, Texas A&M University
Commerce.

1993 – 1997, Assistant Professor, Department of Integrated Teaching and Learning, Ohio State University-Newark.

1991- 1993, Graduate Assistant, Teaching & Research, Texas A&M University.

1988 – 1990, Middle School and Secondary Science Teacher, Anderson-Shiro Independent School District, Anderson TX.

1987 – 1988, Long Term 8th Grade Earth Science Substitute Teacher, College Station Independent School District, College Station, TX.

1986 – 1987, Graduate Assistant, Texas A&M University, College of Education, Marine Education Program.

PUBLICATIONS

Szabo, S., Sinclair, B., Long, C., & Naizer, G., (2023) Revisiting the Readability of K-8 Science Textbooks: Publishers' Failures and Implications for Classroom Teachers. *The Delta Kappa Bulletin* 89 (5) 26-34.

Corp, A., Fields, M. & Naizer, G. (2020). Elementary STEM Teacher Education: Recent Practices to Prepare General Elementary Teachers for STEM. In C. Johnson, M. Mohr-Schroeder, T. Moore, & L. English (Eds.), *Handbook of Research on STEM Education*; Routledge.

Hott, B. L., Dibbs, R., Naizer, G., Raymond, L., Martin, A., & Reid, C. (2018). Practitioner perceptions of algebra strategy and intervention use to support students with mathematics difficulty or disability in rural Texas. *Rural Special Education Quarterly*. *Advanced OnlineFirst article available for download from: <https://doi.org/10.1177/8756870518795494>.*

Fields, M., Regian, S., Sinclair, B. & Naizer, G. (2017). *Perspectives Change on Stem Integration: Or Do They?* In M. J. Mohr-Schroeder, & J. Thomas (Eds.), *Proceedings of the 117th annual convention of the School Science and Mathematics Association* (Vol. 4). Lexington, KY: SSMA.

Naizer, G., Sinclair, B., & Szabo, S., (2017). Examining the Sustainability of Effective Professional Development Using a Workshop Design. *The Kappa Delta Gamma Bulletin* 83 (5) 37-48.

Marble, S., Kamen, M., Naizer, G. & Weinburgh, M. (2016). Our Journey of Understanding through Lesson Study. In G.A. Buck & V.L. Akerson (Eds.), *Allowing our Professional Knowledge of Pre-Service Teacher Education to be Enhanced by Self-Study Research: Turning a Critical Eye on Our Practice* (pp. 177-191). New York: Springer

Naizer, G., Hawthorne, M., & Henley, T. (2014). Narrowing the Gender Gap: Enduring Changes in Middle School Students' Attitude Toward Math, Science and Technology. *Journal of STEM Education* 15 (3) 29-34.

Sinclair, B. B., Naizer, G. L., Ledbetter, C. (2011). Observed Implementation of a Science Professional Development Program for K-8 Classrooms. *The Journal of Elementary Science Education* 22:579-594.

Walker, C., Zeek, C., Foote, M., & Naizer, G. (2008) Recreating Teacher Education through Long-Term Partnerships. In I.N. Guadarrama, J.M. Ramsey, & J.L. Nath (Vol. Ed.), *University and School Connections; Professional Development Schools Research Book Series, Volume III* (pp. 203-220). Charlotte, NC: Information Age Publishing.

Naizer, G. L., Bell, G. L., West, K., Chambers, S. (2003) Inquiry Science Professional Development with a Science Summer Camp for Immediate Application. *The Journal of Elementary Science Education* 15 (2) 31-37.

Bell, G.L., Naizer, G.L., Cardwell, M., West, K., Petty, C., Boles, K., Myers, D., Mitchell, H., Chambers, S. (May 2003). A vision for P-8th Grade Science Education Enhancement through Partnership. *Texas Study of Secondary Education* 12(2) 8-13.

Naizer, G. (2001). Creating community in the elementary classroom: A question of peer assessment in science. In D. Tippins, T. Koballa & B. Payne (Eds.). *Learning from cases: Unraveling the complexities of elementary science teaching*. Needham Heights, MA: Allyn & Bacon Publishing.

Bendixen-Noe, M. & Naizer, G. L. (2000). Reflections on reflective teaching and early childhood teacher education. *Journal of Early Childhood Teacher Education*, 21 (3) 365-371.

Naizer, G. L. (Winter 1997). Validity and reliability issues of performance-portfolio assessment. *Action in Teacher Education*, 18 (4), 1-9.

Stuessy, C. L. & Naizer, G. L. (1996). Reflection and problem solving: Integrating methods of teaching mathematics and science. *School Science and Mathematics*, 96(4) 170-177.

Naizer, G. L. (1993). Science and engineering professors: Why did they choose science as a career? *School Science and Mathematics*, 93(6), 321-324.

FUNDED RESEARCH GRANTS AND AWARDS

2019, *A&M Commerce Educator Preparation Continuous Improvement*. Raise Your Hand Texas Emerging Partners Grant. Co-PI with Laura Isbell. Funded for up to \$300,000 over 3 years.

2017, *Integrated Mathematics and Science for 4th-6th Grade*. Teacher Quality Grant Administered by the Texas Higher Education Coordinating Board. Co-PI's Becky Sinclair, Melanie Fields, Kit Price Blount. Continuation Funded for \$106,352.

2016, *Texas Teacher Residency Program (T-RES) Phase 2: An Apprenticeship Model for Texas*. Texas Higher Education Coordinating Board. Funded for \$1,396,421

2016, *A Community-Based Approach to Building the Capacity of Physics Teacher Preparation at Texas A&M University-Commerce*. National Science Foundation, NOYCE. Co-PI with William Newton & Robynne Lock. Award # 1557398. Funded for \$74,981.

2016, *Integrated Mathematics and Science for 4th-6th Grade*. Teacher Quality Grant Administered by the Texas Higher Education Coordinating Board. Co-PI's Becky Sinclair, Melanie Fields, Kit Price Blount. Funded for \$150,000.

2014, *Texas Teacher Residency Program (TRes): An Apprenticeship Model for Texas*. Texas Higher Education Coordinating Board. Funded for \$1,290,000.

2012, *Geology for 4-8th Grade Teachers*. Teacher Quality Grant (Continuation) Administered by the Texas Higher Education Coordinating Board. Co-PI with Dr. Becky Sinclair. Funded for \$92,820.

2011, *MASTA*, Texas Higher Coordinating Board. Awarded supplement/extension for additional \$150,000.

2011, *Geology for 4-8th Grade Teachers*, Co-PI with Dr. Becky Sinclair. Teacher Quality Grant Administered by the Texas Higher Education Coordinating Board. \$217,489 requested; funded for \$114,400.

2010, *Improving STEM Skills for Rural Youth in Northeast Texas (STEM Skills)*. U.S. Department of Education. Award amount \$100,000.

2009, *Texas A&M Commerce Math & Science Teacher Academy (MASTA)*. Co-PI with Dr. Faulkenberry (Mathematics). Texas Higher Coordinating Board. Award amount \$685,000.

2008, *Maximizing Motivation, Targeting Technology (M²T²)*. National Science Foundation Innovative Technology Experiences for Students & Teachers program. Award amount \$992,663.

2007, *Texas Regional Collaborative for Excellence in Science Education* Grant funded in collaboration with Region 10 ESC. Region 10 serves as the fiscal agent. Award amount \$110,000

2007, *Elementary Earth Science Enhancement: Northeast TX*. Teacher Quality Grants Program coordinated by the Texas Higher Education Coordinating Board. Co-PI with Dr. Becky Sinclair. Award amount \$82,947.

2006, *Project STEEM: Student and Teacher Development*. The Greater Texas Foundation. Co-PI with Dr. Ben Doughty, Dr. Rick Kreminski, & Dr. Sam Saffer. Award amount \$1.5 million.

2006, *Northeast Texas Earth/Space Science Enhancement, B*. Teacher Quality Grants Program coordinated by the Texas Higher Education Coordinating Board. Co-PI with Dr. Glenda Love Bell. Award amount \$82,887.

2005, *Science Education Enhancement: Quality teaching for All Learners, A*. Teacher Quality Grants Program coordinated by the Texas Higher Education Coordinating Board. Co-PI with Dr. Glenda Love Bell. Award amount \$81,698.

2005, *Science Education Enhancement: Quality teaching for All Learners, B*. Teacher Quality Grants Program coordinated by the Texas Higher Education Coordinating Board, Co-PI with Dr. Glenda Love Bell. Award amount \$81,698.

2005, *Texas Regional Collaborative for Excellence in Science Education Grant* funded in collaboration with Region 10 ESC. Region 10 serves as the fiscal agent. Award amount \$225,000

2003, *Quality teaching for the improvement of math and science collaborative: Greenville, Bland ISDs*. Teacher Quality Grants Program coordinated by the Texas Higher Education Coordinating Board. Co-PI with Dr. Glenda Love Bell. Award amount \$78,830.

2003, *Quality teaching for the improvement of math and science collaborative: Commerce, Quinlan, Boles ISDs*. Teacher Quality Grants Program coordinated by the Texas Higher Education Coordinating Board. Co-PI with Dr. Glenda Love Bell. Award amount \$78,830.

2002, *Inquiry-based instruction, connected learning in elementary science*. Texas Eisenhower Higher Education Grants Program. Co-PI with Dr. Glenda Love Bell. Award amount \$78,978.

2001, *Inquiry-based instruction, connected learning in elementary science*. Texas Eisenhower Higher Education Grants Program. Co-PI with Dr. Glenda Love Bell. Award amount \$74,463.

2001, *NASA Opportunities for Visionary Academics Implementation Planning Grant*. Co-PI with Dr. Glenda Love Bell. Award amount \$10,060.

1998, *Motion and Change in Elementary Schools*. Texas Eisenhower Higher Education Grants Program. Award amount \$66,864.

1996, *Project Mosaic*. Ohio Department of Education, Goals 2000, (Collaborative Grant with Newark City Schools, Ohio State University at Newark, and Capital University). Award amount \$99,310.

1995, *State of Ohio Venture Capital Grant*, Collaborated with Miller Elementary School, Newark, Ohio. Award amount \$125,000.

1995, *The Science and Mathematics of Motion, II*. Eisenhower Program, Ohio Board of Regents. Award amount \$47,741.

1994, *The Science and Mathematics of Motion*. Eisenhower Program, Ohio Board of Regents. Award amount \$45,806.