



**Highlight Curriculum Vita
September 2023**

Instructor: Becky Barton Sinclair, Ph.D., Professor
Academic Department: Curriculum & Instruction

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EDUCATION

Post-Doctoral Coursework (18 hrs)
Education Administration – Principal’s Certification
The University of Texas at Arlington, Arlington, Texas; 2002

Doctor of Philosophy, Science Education
Curtin University of Technology, Perth, Western Australia, AU; 2000
Dissertation: Assessing, Describing and Changing Classroom Environments in Urban Middle Schools

Masters of Arts in Teaching, Science Education
The University of Texas at Dallas, Richardson, Texas, USA; 1994

Bachelor of Science, Elementary Education (Earth Science and History)
Texas A&M University, College Station, Texas, USA; 1988

PROFESSIONAL LICENSES

Texas Provisional Elementary (Grades 1-6) Earth Science	1988	Life Term
Texas Provisional Elementary (Grades 1-6) History	1988	Life Term
Texas Provisional Elementary (Grades 1-6) General	1988	Life Term
Texas Provisional Secondary (Grades 6-12) Life-Earth Science	1998	Life Term
Texas Professional Principal (Level K-12)	2003	2008

TEACHING EXPERIENCE

2020 - Present - Professor, Dept. of Curriculum and Instruction, Texas A&M University - Commerce

2012 – 2020 - Associate Professor, Dept. of Curriculum and Instruction, Texas A&M University
- Commerce

2006 - 2012 - Assistant Professor, Dept. of Curriculum and Instruction, Texas A&M University -
Commerce

2003 – 2006 – Rockwall ISD, Classroom Teacher & Science Lead, Rochell Elementary

2002 – 2003 – Plano ISD, Classroom Teacher (Fall) and Asst. Principal (Spring), Bowman
Middle School

2000 – 2001 – Garland ISD, Campus Math Consultant, Houston Middle School and Science
Lead and Classroom Teacher, Steadham Elementary

1996 - 1999 - Senior Lecturer, Dept. of Science and Mathematics Education, University of Texas
at Dallas, Richardson, Texas

1994 -1995 - Senior Lecturer, College of Education, University of Texas at Arlington

Summer 1994 - Adjunct Professor, College of Education, University of North Texas

1989 – 1994 – Garland ISD, Classroom Teacher, Houston Middle School and Ethridge
Elementary

Summer 1989 & 1990 - Teacher and Counselor for “Sea Camp,” Texas A&M University at
Galveston, Galveston, Texas

Professionally Related

1994 - 2005 (Part Time) - Executive Vice President, SCE Associates, Richardson, Texas

SELECTED HIGHLIGHT PUBLICATIONS
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Szabo, S., Sinclair, B.B., Long, C.S., Naizer, G. (2023). Revisiting the readability of K-8 Science textbooks: Publishers’ failures and implications for classroom teachers. *Delta Kappa Gamma Bulletin* (89)5, 26-34.

Long, C. S., Sinclair, B. B., Fraser, B.J., Larson, T. R., & Harrell, P.E. (2021). Pre-service teachers’ perceptions of learning environments before and after pandemic-related course disruption. *Learning Environments Research: An International Journal*.

Long, C., Fraser, B. & Sinclair, B. (2020). Differential effectiveness of alternative middle school science sequences for students of different ethnicities. *Learning Environment Research: An International Journal* 23(1), 87-99.

Szabo, S. & Sinclair, B. B. (2019, Spring). Readability of the STAAR test is still misaligned. *Schooling*, 10(1). pp. 1-12.

Unique Impact: In spring 2019, this article was disseminated to members of the Texas Legislature, Governor and Commissioner of Education and was influential at the 86th Legislative Session in the creation of HB 3 and HB 3906. It was cited in numerous media outlets, including *The New York Times*, *Associated Press*, *Washington Post* and *Texas Monthly*.

Naizer, G., Sinclair, B. & Szabo, S. (2017). Examining the sustainability of effective professional development using a workshop design. *The Delta Kappa Gamma Bulletin – International Journal for Professional Educators*, 83(5), 37-48.

Sinclair, B., Szabo, S., Redmond, A. & Sennette, J.D. (2013, Spring). Investigating perceptions of teachers and teaching using the Draw-a-Teacher Checklist. *Issues in Teacher Education*, 22(1), pp. 105-123.

Sinclair, B. & Naizer, G. (2012, Fall). Bringing more earth science knowledge to teachers. *Texas Mining Magazine*. pp. 17-19.

Szabo, S. & Sinclair, B. (2012, Fall). STAAR Reading Passages: The readability is too high. *Schooling*, 3(1). pp. 1-14.

Stetson, E., Stetson, R., Sinclair, B. & Nix, K. (2012, Spring). Home visits: Teacher reflections about parental involvement, student achievement and behavior. *Issues in Teacher Education*, 21(1). pp.21-37.

Sinclair, B., Naizer, G. & Ledbetter, C. (2010, July – Online) (2011 – Hardcopy Publication). Observed implementation of a science professional development program in K-8 classrooms, *Journal of Elementary Science Education*, 22, pp. 579-94.

Sinclair, B. B., and Fraser, B.J. (2002, December). Assessing, describing and changing classroom environments in urban middle schools, *Learning Environment Research: An International Journal*, 5(3), pp. 301-328.

RESEARCH GRANTS and AWARDS

2016 - 2017, *Integrated Mathematics and Science for 4th-6th Grade*. Teacher Quality Grant Administered by the Texas Higher Education Coordinating Board, Co-PIs: Gil Naizer, Becky Sinclair, Melanie Fields, Kit Price Blount. Funded \$150,000 (2016) and \$106,352 (2017).

2012 - 2013, *Geology for 4-8th Grade Teachers*, Teacher Quality Grant. Administered by the Texas Higher Education Coordinating Board. Co-PIs: Gil Naizer & Becky Sinclair. Funded- \$124,400 (2012) and \$92,820 (2013).

2007, *Elementary Earth Science Enhancement: Northeast TX*. Teacher Quality Grants Program coordinated by the Texas Higher Education Coordinating Board. Co-PIs: Gil Naizer & Becky Sinclair. Funded- \$82,947.

Co-Author, Consultant and Instructional Team Member for Texas Regional Collaborative for Excellence in Science Education Grants funded in collaboration with Region 10 ESC. Region 10 served as the fiscal agent.

2012, *Physical Science Professional Development for Teachers of Grades 4-8*. Funded- \$190,000.

2011, *Environmental, Biological and Earth Science Technology for Secondary Level Teachers*. Funded- \$192,058.

2010, *Earth Science & Technology for Secondary Level Teachers*. Funded- \$150,000.

2009, *Earth Science: Technology and Industrial Minerals for Secondary Level Teachers*. Funded- \$150,074 with additional \$26,000 granted during academic year.

2008, *Chemistry, Physics and Earth Science for Secondary Level Teachers*. Funded- \$110,000.

2007, *Earth Science for Elementary Teachers*. Funded- \$112,000.