

Beatrice L. Taylor, Ph.D
Adjunct Professor, Field Supervisor
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EDUCATION BEYOND HIGH SCHOOL:

Doctor of Philosophy in Education, Major in Curriculum and Instruction, Cognate in Biology, Virginia Technological and State University, Blacksburg, Virginia, November 1994. Dissertation: *A Study of High School Biology Students Engaged in a Science-Technology-Society (STS) Landfill Restoration Project.*

Advanced Graduate Studies, Major in Curriculum and Instruction, Cognate in Biology, Virginia Technological and State University, Blacksburg, Virginia, December 1993.

Master of Arts, Major in Education, George Mason University, Fairfax, Virginia, June 1972.

Bachelor of Science, Major in Elementary Education, Auburn University, Auburn, Alabama, June 1966.

EXPERIENCE:

University of Texas at Tyler, 2022 – present

Teaching: EDUT 1170, Step 1: Inquiry Approach
EDUT 2170, Step 2: Inquiry Based Lessons

University of Texas at Tyler. 2012 – present.

Consultant on STEM grant. Field Supervisor. **Responsibilities:** Observed and evaluated science and math students at the elementary, middle, and high school levels.

University of Texas at Tyler, 2022 – 2025

Teaching: EDUT 4170, Apprentice Teaching

University of Texas at Tyler, 2016 – 2022

Teaching: EDUC 4314, Methods in science education for elementary school

Mentoring Minds, Tyler, TX. 2011 – 2012.

Wrote curriculum and test questions for upper elementary and middle school science.

University of Texas at Tyler. 2010 – 2012

Mentored new teachers on a grant with UTT and Tyler Independent School District.

Camp Tyler, Tyler, TX. 2009 – 2010.

Wrote curriculum for outdoor water studies for HS biology.

Tyler Independent School District, 2008 - 2009.

Science facilitator for elementary schools.

Responsibilities: Worked on new curriculum and testing bank. Observed and mentored teachers.

University of Texas at Tyler. 2007 – 2008.

Teaching: Methods in science education for elementary and middle school.

Lord Fairfax Community College, Warrenton, VA. Spring 2005, 2006 – 2007.

Teaching: Praxis Review for Paraprofessionals, Introduction to Education, College Success Skills

Fauquier County Schools, Warrenton, VA. 2004-2005

Adult Learning, ESL

Old Dominion University, Norfolk, VA. Spring 2005, 2006 - 2007

Teaching: Classroom management for elementary and secondary students. Mentor for Career Switchers – Northern Virginia area.

Semiconductor Manufacturing Industrial Corporation Private School, Shanghai, China, 2001-2004
Dean of Academic Affairs, English Track.

Responsibilities: Set up English studies for a new school that grew from 75 to 300 students while there. Developed curriculum for grades 1-10. Selected and purchased textbooks and library materials. Interviewed, inserviced, assisted, and evaluated teachers. Established teaching schedule, developed procedures and policies. Tested and placed new students.

LeTourneau University, Longview, TX. 1998-2001

Teaching: Planning and Evaluation of Instruction; Introduction to Elementary Education; Methods of Social Studies, Language Arts, Math, and Science; Classroom Management; Precepts for Freshmen.

Research: Developed courses for elementary education majors. Established program for elementary education degree.

Other teaching:

August 1994-August 1998

Classroom Teacher, Ormond Stone Intermediate School, Centerville, VA.

Responsibilities: Eighth grade applied physical science program and seventh grade investigations of environmental science; team leader; TASK Force-principal's advisory council; technology committee.

January – March 1996

Co-teacher, ASSIST Program, Fairfax County.

Responsibilities: Designed course for new middle and high-school science teachers. Included teaching strategies and orientation to the county.

August 1992 and August 1993

Taught segment of university wide GTA training workshop at Virginia Tech, "Training the Future Professorate" –

Responsibilities: conducted, videotaped, and critiqued graduate student performance in micro-teaching episodes.

August 1992 – May 1993

Supervisor- Student Teaching, Montgomery County graduate student teaching model

Responsibilities: Supervised elementary and middle school student teachers' clinical experiences in public schools. Observed student teachers in public school classroom. Advised students in performance, curriculum, and teaching strategies and materials in a Masters Degree program. Evaluated student teaching performance. Acted as a liaison between the university and the public schools.

August 1991 - May 1992

Supervisor- Student Teaching, Roanoke City student teaching model

Responsibilities: Supervised elementary student teachers' experiences in public schools. Conducted seminars at Virginia Tech. Observed student teachers in public school classrooms. Advised students in performance, curriculum, and teaching strategies in graduate and undergraduate programs. Evaluated student teaching performance. Acted as a liaison between the university and the public schools.

September 1988 – June 1991

Classroom Teacher, Lanier Intermediate School, Fairfax, VA.

Responsibilities: Taught seventh grade life science program; coordinated and ordered live materials for teachers; team-taught with self-contained resource teacher; sponsored science club; taught 7-8 grade speech and theater class.

July 1989 – July 1990

Director, Camp Hemlock, George Mason University, Clifton, VA.
Responsibilities: Developed curriculum and activities; hired personnel; managed medicines; bought all materials; handled advertisement and registration; supervised staff.

September 1986- June 1987

Science Enrichment Teacher, Oak View Elementary, Fairfax, VA
Responsibilities: Developed enriched science curriculum for 475 4-6 graders; bought equipment; set up a “sharing science time” for 375 1-3 graders; set up an animal sharing center for teachers and students; advised teachers on care of live specimen; set up outdoor activities.

September 1975 – June 1988

Classroom Teacher, Oak View Elementary, Fairfax, VA
Responsibilities: Taught first, second, and third grades; set up extensive volunteer program within classroom; faculty advisory council.

September 1969 – June 1975

Classroom Teacher, Parkwood School, Vienna, VA
Responsibilities: Taught four-year olds; taught numbers, colors, shapes, finger plays, songs, stories.

September 1966 – June 1968

Classroom Teacher, Northside Elementary, Opelika, AL
Responsibilities: Taught second grade; mentored a student teacher

CONFERENCE PRESENTATIONS:

- Taylor, B.L. (2006, March). *Tongue Fu! and You*. Great Virginia Teach-in, Richmond, VA.
- Taylor, B.L. (2005, July). *What to Say When You Don't Know What to Say*. Career Switchers Institute, Richmond, VA.
- Taylor, B.L. (2000, February). *Race in the Texas Regatta*. Mini-CAST 2000, Tyler, Texas.
- Taylor, B.L. & Best, D. (2000, February). *Them Bones Gonna Walk Around*. Mini-CAST 2000, Tyler, Texas.
- Taylor, B. L. (1999, October) *Reflections of First Year Education Students on Field Experiences*. Association of Teacher Educators, Mobile, AL.
- Taylor, B.L. (1997, April). *Let's Play! Life Science Games*. National Association of Science Teachers, New Orleans, LA.
- Taylor, B.L. & Martin, A. (1996, November). *Experimental Design: the VAST Cup*. Virginia Association of Science Teachers, Roanoke, VA.
- Taylor, B.L., Kowalski, J., & Sabre, M. (1996, April). *Perspectives on collaboration in the classroom: Students, scientist, classroom teacher, and researcher*. National Association for Research in Science Teaching, St. Louis, MO.
- Taylor, B.L. (1995, March). *Analytic instrument*. VQUEST Instructional Materials: Midpoint Review, Norfolk, VA.
- Taylor, B.L. (1994, February) *Preview of a pilot analytic instrument*. Instructional Resources – Assessment Conference, Norfolk, VA.
- Taylor, B.L., Kowalski, J. & Sabre, M. (1994, November). *Collaboration in the classroom*. Virginia Association of Science Teachers, Charlottesville, VA.
- Taylor, B.L., Sabre, M., & Kowalski, J. (1994, May). *Perspectives on collaboration in an STS landfill restoration project: Scientist, classroom teacher, and researcher*. Paper presented at the annual meeting of the Virginia Academy of Science. Harrisonburg, VA.

- Taylor, B.L. (1994, January). *Investigation of students in landfill restoration*. Presented at the Annual meeting of the Association for the Education of Teachers in Science, El Paso, TX.
- Taylor, B.L. (1993, May). *Involving high school biology students in landfill restoration*. Presented at the annual meeting of the Virginia Academy of Science, Norfolk, VA.
- Taylor, B.L. (1991, November). *It's sunny, let's go outside!* Presented at the annual meeting of the National Association of Biology Teachers, Nashville, TN.
- Taylor, B.L. (1991, April). *It's sunny, let's go outside!* Presented at the annual meeting of the Virginia Middle School Conference, Norfolk, VA.
- Taylor, B.L. (1991, March). *It's sunny, let's go outside!* Presented at the annual meeting of the Virginia Association of Science Teachers, Lynchburg, VA.

WORKSHOP PRESENTATIONS:

- Taylor, B.L. (2009 – 2010). Foldables for elementary and middle schools, Douglas ES & Dogan MS. Tyler, TX.
- Taylor, B.L. (2007, April). Tongue Fu! Fauquier County Schools, Warrenton, VA.
- Taylor, B.L. (2006, November). Tongue Fu!. Grace Miller Elementary School, Warrenton, VA.
- Taylor, B.L. (2006, April). Tongue Fu! and You. Fauquier County Schools, Warrenton, VA.
- Taylor, B.L. (1991, March). Demonstration of seventh grade science activities. Fairfax High School Pyramid teachers, Fairfax, VA.
- Taylor, B.L. (1991, March). Outdoor activities. Inservice for elementary teachers, Area IV, Fairfax, VA.
- Taylor, B.L. (1988, October). Outdoor activities. Inservice for elementary teachers, George Mason Outdoor Education Center, Clifton, VA.

PUBLICATIONS

- Taylor, B.L. (1999, October). Reflections of First Year Education Students on Field Experience. SRATE Journal. Mobile, AL.: Southeast Region Association of Teacher Education
- Taylor, B.L. (1999, October). Lightning is Power! Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1997, July). An "Eggciting" Discovery. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1997, July). Turtle Trek. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1997, April). The Mysterious Force. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1997, February). Antoine's Special Show. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1997, January). The Ice Storm. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1996, August). Birds in the Camper. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1996, September). Fantastic Fathers. Adventure Magazine. Nashville: Southern

Baptist Sunday School Board.

- Taylor, B.L. (1996, May). A Trip to the Stream. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1996, May). Investigations at the Pond. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1995, October). What a Surprise – They’re Flies! Science & Children, 33(2), pp. 16-19. Washington, DC: National Science Teachers Association.
- Taylor, B.L. (1995, April). Making a Birdhouse for House Wrens. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1995, April). Catching Raindrops! Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1993, February). Miss Suzie. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1993, May) Hummingbirds. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1993, July). Mystery of the Disappearing Flowers. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1993, August). Bug Zapper. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1992, April). Night Sounds. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1992, April). Ellen’s Rescue. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1992, April). Yolanda’s Mystery Pet. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1992, April). Manuel’s Science Project. Adventure Magazine. Nashville: Southern Baptist Sunday School Board.
- Taylor, B.L. (1991, May). He did it Twice and it Ruined Him. NSTA Reports! Washington, DC: National Science Teachers Association.
- Taylor, B.L. (1976, December). Where’s Heaven? Living with Children. Nashville: Southern Baptist Sunday School Board.

PROFESSIONAL SERVICE and PROFESSIONAL ORGANIZATIONS

September 2016 – present

Member, Texas Classroom Teachers’ Association

September 2008 – 2009

Volunteered and taught science labs for 5th graders at Douglas Elementary, Tyler, Texas

September 2000-May 2001

Member, Academics 2000, Longview, TX

December 1998-May 2001

Member, Region VII Mentorship Committee, Kilgore, TX

September 1997-August 1998

Representative, Area IV Superintendent’s Advisory Board

October 1996-August 1998

Peer Observer, Teacher Performance Evaluation Program, Fairfax County, VA.

September 1995-August 1998
Member, Science Advisory Council, Fairfax County, VA

May 1994-May 1998
Chairman, Education Section, Virginia Academy of Science

October 1996-December 1996
Member, Textbook Adoption Committee: Seventh grade science, Fairfax County, VA.

September 1996-June 1997
Team Leader, Ormond Middle School

January 1996-January 1997
Vice-president, Northern Virginia Association of Science Teachers

September 1995-June 1996
Representative, Task Force, Ormond Middle School
Representative, Area IV Superintendent's Advisory Council

June-November 1994
Instructional Materials Evaluator
Refined indicators and developed worksheets for the VQUEST criteria for selection of instructions which will be used in forthcoming textbook adoptions.

April 1993
Reviewer, Disney Educational Productions
Reviewed science concepts and vocabulary for three Disney films being planned for release to schools on the Wonders of Life project.

April 1993, 1994
Reviewer, Presidential Awards for Excellence in Science Teaching
Reviewed entries from elementary teachers in Virginia who were competing for the Presidential Award.

April 1992
Session Moderator, The Commonwealth Outstanding Dissertation and Faculty Research Conference.

Summer 1989, 1990
Volunteer, Arts and Science pavilion, Fairfax Fair.

September 1989-June 1991
Faculty Advisory Council (Lanier Intermediate, Fairfax, VA.)
Superintendent's Advisory Council (Lanier Intermediate, Fairfax, VA.)
Science club sponsor

September 1990-June 1991
Science Representative to Fairfax H.S. Pyramid.

Prior to 1989 – Oak View Elementary
Chairman, Social committee
Pod Chairman
Science – PTA Liaison

AWARDS and RECOGNITIONS:

Outstanding Student Presentation, Virginia Academy of Science, 1994
Instructional Fee Scholarship, Virginia Tech 1991-1994
Phi Kappa Phi, 1966
Kappa Delta Pi, 1966

PROFESSIONAL ASSOCIATIONS:

American Educational Research Association

Association for Education of Teachers of Science
Fairfax Education Association
National Association for Research in Science Teaching
National Association of Biology Teachers
National Education Association
National Science Teachers Association
Northern Virginia Association of Science Teachers
Virginia Academy of Science
Virginia Association of Science Teachers
Virginia Science Leaders Association

OTHER QUALIFICATIONS:

Foreign Languages: Spanish, beginning level

Certifications:

Virginia: K-8, teaching certification

Administration, Elementary & Middle School

Texas: 1-8 Generalist

ESL