

Mrs. Lymeda Singleton

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Educational Background:

- Hours beyond masters: 6 hours in mathematics, Abilene Christian University, May, June 1999
- Masters in Education: Secondary Teaching of Mathematics, Abilene Christian University, Abilene, Texas, August, 1977, summa cum laude (4.0)
- Bachelor of Science in Education (secondary mathematics, chemistry), Abilene Christian College, Abilene, Texas, May, 1975, summa cum laude (3.81)
- Associate of Arts, Weatherford Junior College, Weatherford, Texas, August, 1973, summa cum laude (4.0)

Certifications: Texas teaching certification in secondary (6 - 12) mathematics and chemistry, 1974; TeCAT

Employment:

- Texas A&M University – Commerce, 2003 – present. Adjunct 2003-2004, Full-time instructor in Mathematics Department, Fall 2004 – present. Courses taught include developmental mathematics, college algebra, finite math, liberal arts math and mathematics classes for pre-service teachers for elementary and middle school certifications.
- Texas Women's University, contract as University Supervisor for student teachers (semester) and / or Masters of Arts in Teaching (MAT) teaching interns (year-long): 2007-2008 (one student teacher at Mequite ISD Poteet HS, one MAT intern, Winston School, Dallas, Tx) and 2009-2010 (MAT intern at Legacy School, Kaufman, Tx)
- Region X Educational Service Center, 2003 – 2007. Contract as presenter of professional development workshops (TI calculators, Geometer Sketchpad software, and TAKS analysis) for mathematics educators (all levels) and as a consultant for curriculum writing in mathematics. (50+ workshops conducted)
- Abilene Christian University, 1985 - 2003
 - Assistant professor in the Mathematics and Computer Science Department, 2000 – 2003. Courses taught include Elementary Mathematical Reasoning (liberal arts math), Finite Math for Business
 - Adjunct, instructor, and assistant professor in Academic Advance Mathematics (developmental) 1985 – 2000. Chair of the ACAD Mathematics Program (1994 - 97). Foundations for Algebra curriculum writer and coordinator (1990 - 2000). Courses taught include Beginning (also called Foundations) Algebra, Intermediate Algebra Part 1, Intermediate Algebra Part 2
 - Adjunct instructor for the ACU Mathematics department, 1980-81, 1993 – 2000. Courses taught include Intermediate Algebra, Arithmetic for Elementary Teachers, Algebraic Structures (second course for elementary teachers), Elementary Mathematical Reasoning (liberal arts math).
- St. John's Episcopal School, Abilene, Texas, 1986 - 88, Algebra I (eighth grade) and computer literacy (seventh, eighth grade), computer lab coordinator (fifth - eighth grade)
- Abilene Independent School District, Abilene, Texas, 1975 - 77, Lincoln Junior High, Introductory Algebra and honors Geometry.
- Abilene Christian University, 1973-75, math tutor and grader.
- Brazos River Gas Company, Weatherford, Texas, 1972-1974, customer service, sales, and billing.

Publications

- Math Mania activities published in AMTE-Texas Section newsletter: Winter 2011 "Giant Day: A Giant's Head is so Big..." and Spring 2011 "Giant Day continued: Giant Dice and Drawing a Giant" (note: pictures of our students were included in both issues)

Professional Organizations:

- Phi Delta Kappa International (education honor)
- Mathematics Association of America (MAA)
- MAA – Texas Section, Member of the Executive Board as Local Arrangements Chair for state conference, (March 30 - April 1, 2017) 2015-2017
- Association of Mathematics Teacher Educators (AMTE). Served on registration committee for national conference, February, 2012
- Association of Mathematics Teacher Educators – Texas Section. Currently serving as Treasurer, 2014-2017, and on the Advisory Board for the Fall Conferences, 2017-2020.
- National Council of Teachers of Mathematics (NCTM) Served as reviewer for *Putting Essential Understanding of Ratios and Proportions into Practice, Grades 6 -8* for magazine "Teaching Mathematics in the Middle School," July 2015

- Texas Council of Teachers of Mathematics. Served on the article review board for *Texas Mathematics Teacher*, secondary (1998-99). Served on Registration and Program committees for state conference (CAMT) for last 20 years.
- Past membership: Big Country Council of Teachers of Mathematics and Science. President, 1991-92. Executive Board, 1990-2003. Math Fair Director, 1990-2003. Newsletter editor and Membership chair, 1997-2001. Delegate to the national conference, April, 2000.

National conference Presentations / Workshops:

- National Council of Teachers of Mathematics national conference, Washington, D.C., April 2009, presented "Integrating the Day with Chocolate: an Inter-discipline Day"
- National Council of Teachers of Mathematics national conference, San Antonio, Texas, April 2003, scheduled to present (cancelled due to my hospitalization)
- National Council of Teachers of Mathematics national conference, Chicago, Illinois, April, 2000, presented "Team Tasks: Trials, Triumphs, and Tribulations"
- National Council of Teachers of Mathematics national conference, Boston, Massachusetts, April, 1996, presented "Acronyms and Analogies for Arithmetic and Algebra"
- National Council of Teachers of Mathematics National Conference, Chicago, Illinois, April, 2000, presented "Team Tasks: Trials, Triumphs, and Tribulations"
- National Council of Teachers of Mathematics National Conference, Boston, Massachusetts, April, 1996, presented "Acronyms and Analogies for Arithmetic and Algebra"

Regional conferences where I presented workshops:

- National Council of Teachers of Mathematics Regional Conference, Chicago, Illinois, November, 2012, presented "A Day in Giant Land" for Grades 5 - 8
- National Council of Teachers of Mathematics Regional Conference, Dallas, Texas, October 2012, presented "A Day in Giant Land" for Grades 5 - 8
- National Council of Teachers of Mathematics Regional Conference, Houston, Texas, November, 2007, presented "Transforming Motion Geometry" for Grades 6 – 8

State conferences where I presented workshops: (annual presenter since 1990)

- Conference for the Advancement of Mathematics Teaching (CAMT), San Antonio, Texas, June 2016, "Addition and Subtraction of Fractions on a Number Line" and "Multiplication and Division of Fractions on a Number Line"
- Mathematics Association of America – Texas Section , Nacogdoches, Texas, March 31-April 2, 2016, "Puzzle of the Week Competitions"
- Conference for the Advancement of Mathematics Teaching (CAMT), Houston, Texas, June 2015, "A Fall Festival of Ideas for the 3-5 classroom" and "Haunted Houses for Grades 6 – 8."
- Mathematics Association of America – Texas Section , San Antonio, Texas, April 2015, "Is It a Proportional or Linear Relationship?"
- Conference for the Advancement of Mathematics Teaching (CAMT), Fort Worth, Texas, July 2014, " Basing Multiplication and Division on Base-10 Blocks" (presented twice)
- Mathematics Association of America – Texas Section, Laredo, Texas, April 2014, "The Locker Problem"
- Conference for the Advancement of Mathematics Teaching (CAMT), San Antonio, Texas, July 2013, poster session in AMTE-Tx strand: "Let's Take a Walk in Time" (political influences on mathematics of the day)
- Mathematics Association of America – Texas Section, Lubbock, Texas, April 2014, "The Golden Apple Problem"
- Conference for the Advancement of Mathematics Teaching (CAMT), Houston, Texas, July 2012, "Only One Manipulative? Make it Cuisenaire Rods," "Conquering Long Division with Base – 10 Blocks," and "Prime Factorization – What's It For?"
- Mathematics Association of America – Texas Section, Dallas, Texas, April, 2012, "Engaging the Liberal Arts Math Student in Functions"
- Conference for the Advancement of Mathematics Teaching, Grapevine, Texas, July 2011, "Solving the Puzzle of Scale Factor, Grades 5-8" and "Same Shape, Same Size = Similar Polygons, or Does It?"
- Association of Mathematics Teacher Educators – Texas Section strand at the Conference for the Advancement of Mathematics Teaching, Grapevine, Texas, July 2011, poster presentation "Using Paper Folding to Multiply Fractions"
- Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, July 2010, "Brownie Pumpkins to the Rescue, Grades 3 - 6" and "Venn Diagrams from Various Directions, Grades 6 - 8"

- Association of Mathematics Teacher Educators – Texas Section strand at the Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, July 2010, poster presentation “Discrete (Set) Model of Fractions”
- Conference for the Advancement of Mathematics Teaching, Houston, Texas, July 2009, “Polyhedra Probability and Statistics, Grades 6 - 8” (2 sessions)
- Association of Mathematics Teacher Educators – Texas Section strand at the Conference for the Advancement of Mathematics Teaching, Houston, Texas, July 2009, Presentation: “Math Mania: Professional Development for Pre-service Teachers”
- Conference for the Advancement of Mathematics Teaching, Dallas, Texas, July, 2008, “Basing Multiplication and Division on Base-10 Blocks, Grades 3 - 6” (presented twice) and “Folding Fraction Multiplication and Drawing Division, Grades 3 - 6” (presented twice)
- Conference for the Advancement of Mathematics Teaching, San Antonio, Texas, June 28 – 30, 2007, presented “Transforming Math Class with Tangrams for Grades 6 – 8” (presented twice) and “Popcorn and Chocolate – Integrating in the Classroom for Grades 3 – 5” (presented twice)
- Conference for the Advancement of Mathematics Teaching, Houston, Texas, July, 2006, presented “Pattern Blocks in My Classroom, Grades 3 - 6” “Bodies in Motion on the Coordinate Plane, Grades 3 - 6” and “Fractions to Rational Expressions” (General interest)

Other workshops that I presented:

- STEM Fair, Brookhaven Community College, Dallas, February, 2015, 14 hours presenting "Do the Math: Find the Magic," to encourage elementary, middle school, and high school students to pursue STEM careers
- “A Night of Mathemagics” presented by the TAMU-Commerce Mathematics Department for the public, co-presented one hour of mathemagic tricks with Mr. Joshua Patterson, TAMU-Commerce, February 6, 2015
- Adventures in Mathematics Day (AIM Day), TAMU-Commerce high school mathematics conference, February 13, 2015, “Hands-On Functions (Marble Ramps)”
- STEM Fair, Brookhaven Community College, Dallas, October 18-19, 2014, 14 hours presenting "Do the Math: Find the Magic," to encourage elementary, middle school, and high school students to pursue STEM careers
- Earth Day, Fair Park, Dallas, April 2014, 14 hours presenting "Do the Math: Find the Magic," to encourage elementary, middle school, and high school students to pursue STEM careers
- Adventures in Mathematics Day (AIM Day), TAMU-Commerce high school mathematics conference, February 14, 2014, “Hands-On Functions (Kamikazee Ken and Bungee Barbie)”
- Life Charter Schools, Dallas, August 2013, professional development workshop for middle school mathematics faculty: An In-depth Look at Proportional Reasoning with STAAR and the new TEKS
- Bonham ISD, August 2011, professional development workshops, "Building the Basics with Base-10 Blocks Grades K-3," "Building the Basics with Base-10 Blocks Grades 4-6," "Percent Lines for Middle School," and "Algebra Tiles and Algeblocks for Algebra 1"
- Bonham ISD, August 2010, professional development workshops, “Fraction Concepts for Grades K – 3,” “Fraction Concepts for Grades 4 – 5,” “Fraction Concepts for Grades 6 – 8”
- Commerce ISD, June 2010, professional development workshops “TI-84 for Middle School,” “TI-84 for High School,” “Geometer Sketchpad – Beginning level”
- Consultant, TAMU-Commerce TQP grant, Dr. Eileen Faulkenberry, director, “Fractions for grades 4 – 8,” November, 2008
- Consultant, Paris Junior College TQP grant, Betty Swasko, director, “Measurement TEKS for Grades 4 – 8,” January 12, 2008
- Mabank ISD K – 12 Math Study committee, chair of subcommittee for Long Elementary, December 13-14, 2007
- Texas Instruments and Region 10 Technology Collaborative, Richardson, Texas, June 15, 2007, presented “TI-73 for Beginners” and “Novice TI – 83.”
- P-16 Educational Improvement Collaborative, TAMU-Commerce, professional development using technology for area high school teachers, August 4, 2006
- Region X Educational Service Center, 2003 – 2007. Contracted as presenter of professional development workshops (TI calculators, Geometer Sketchpad software, and TAKS analysis) for mathematics educators (all levels) and as a consultant for curriculum writing in mathematics. (50+ workshops conducted)

Grants:

- Texas Education Agency grant: Teaching Mathematics TEKS through Technology, writer, editor, and presenter for Trainer of Trainers, 2005-2006, middle school and geometry modules
- TAMU Regents’ Initiative grant: Implementing Manipulatives into the Mathematics Classroom, Spring 2005, with the Greenville ISD secondary mathematics teachers (with Dr. Eileen Durand-Faulkenberry)
- Eisenhower Grant: Abilene Christian University Summer Institute mathematics instructor: Integrating Math and Science for grades 3 - 5, with science content emphasis on the human body, June, 2002

- Eisenhower Grant: Abilene Christian University Summer Institute mathematics instructor: Integrating Math and Science for grades 3 - 5, with science content emphasis on plants, June, 2001

Other Professional activities:

- AMTE-Texas: Advisory Board for Fall Conferences, 2017-2020.
- MAA - Texas Section, Executive Board 2015 - 2017 as Local Arrangements Chair for state conference to be held at Texas A&M - Commerce, March 30 - April 1, 2017
- AMTE-Tx: Treasurer, 2014-2017
- MAA-Texas: Sponsor and coach of the Texas A&M - Commerce Calculus Team, 2011 - 2016, with 2 First place finishes, 3 Second place finishes. Set school records for number of teams in the final round (4) and number of teams in the top 3 (3).
- CAMT: Fort Worth, Texas, July 2014, program committee
- AMTE - Tx: Registration committee for state conference, September 2013
- Textbook reviewer for Hawkes Learning Systems, Summer 2012
- AMTE-Tx representative to the CAMT Program Committee, July 2012
- AMTE-Tx Registration committee for national AMTE conference in Fort Worth, Texas, Feb. 2012
- Texas Higher Education Coordinating Board College and Career Readiness Initiative Faculty Collaborative: Mathematics Symposia, Texas A&M - Commerce team member 2009 to 2014
- Association of Mathematics Teacher Educators-Texas Section: Math Specialist Task Force member to align AMTE Standards for Elementary Mathematics Specialists with the Texas Mathematics Master Teacher Standards EC - 4. Report presented at the business meeting July 20, 2011 in Grapevine, Texas.
- Math Mania activities published in AMTE-Texas Section newsletter: Winter 2011 "Giant Day: A Giant's Head is so Big..." and Spring 2011 "Giant Day continued: Giant Dice and Drawing a Giant" (note: pictures of our students were included in both issues)
- 2008 T³ International Conference (T³ = Teachers Teaching with Technology), Dallas, Texas, Feb. 29 – March 2, 2008
- Reviewer for Managing the Mean Math Blues, published by Prentice Hall.
- Edited Applying Algebraic Thinking to Data, Second Edition, by DeMarios, McGowen, and Whitkanack, June, 2000

Other Conferences Attended (non-speaker)

- College and Career Readiness Initiative Faculty Collaborative with LBJ Institute for STEM Education and Research, "New Horizons in STEM Education," San Antonio, Texas, March 27-28, 2014
- AMTE - Texas Section, Waco, Texas, September 27, 2014
- AMTE-Texas Section, San Marcos, September, 2013
- Association of Mathematics Teachers Educators national conference, Fort Worth, Texas, Feb. 9 – 11, 2012
- National Council of Teachers of Mathematics "Algebra Readiness for Every Student" Grades 3-5 strand, Baltimore, Maryland, August 9-11, 2011 with electronic workshop follow-ups twice monthly Sept 2011 – May 2012
- "A Geometric Approach to Algebraic Reasoning," Education Service Center Region 20, San Antonio, Texas, June 7-9, 2011, part of the training for the new state-wide standardized test MSTAAAR for middle school
- ESTAAAR training. ESC Region 10, Richardson, Texas, July 14, 2011, training for the new state-wide standardized test for elementary grades
- Mathematics Association of America - Texas Section, Tyler, Texas, April 14 - 16, 2011. Sponsored the department's Calculus Bowl team.
- TI-NSpire CAS for College Algebra, Teachers Teaching with Technology conference, Houston, Texas, June 2010
- Geometry Institute, Texas Education Agency, Austin, Texas, June 2010, high school geometry end-of-course exam training
- Algebra 1 Institute, Texas Education Agency, Austin, Texas, June 2010, high school first-year algebra end-of-course exam training

Professional Awards:

- Who's Who Among America's College Teachers, 1996 (while at ACU), 2006 (while at TAMU-Commerce)
- Outstanding Teacher 1996-97, Abilene Christian University, Academic Enhancement Division
- Technology Appreciation 1995-96, Abilene Christian University, Academic Enhancement Division

Other Awards:

- Sybil Faubus Memorial Award for Outstanding Service to the Education Ministry of the Hillcrest Church of Christ, April, 1999

- West Texas Girl Scout Council's "West Texas Award," April 2003, Thanks Badge, April 2003, Outstanding Volunteer Award, April 2003, Honor Award (for Volunteers), April, 1999