

Carolyn L. White

EDUCATION

Bachelor of Science in Elementary Education, TEXAS SOUTHERN UNIVERSITY, 1969

Master of Education, TEXAS SOUTHERN UNIVERSITY, 1974

Post Graduate work, 18 Hours of Mathematics, RICE UNIVERSITY: 1998, 1999, 2000, 2004, 2007

EMPLOYMENT

September 2008 to Present *Rice University School Mathematics Project*
Director of Mathematics Programs

January 1998-2008 *Rice University School Mathematics Project*
Master Teacher

January 1970 to July 2006 *Houston Independent School District*
Fifth Grade Teacher of Gifted Students, Travis Elementary

July 2006 to August 2008 *Houston Independent School District*
Professional Development-Elementary Math Training Coordinator

Presentations, Publications, Media, Professional Development, Service

- 2001 to 2008, Appointed to RUSMP, Rice University School Mathematics Project, Advisory Board Member
- September 2001-2008, master teacher for classes sponsored by RUSMP: ALGEBRA FOR ELEMENTARY TEACHERS. (Separate classes for Houston ISD (2001-2008), Lamar Consolidated ISD in Rosenberg, Texas (2002) and Aldine ISD (2004))
- October 2001, recipient of \$1000 grant from Shell Oil Company to enhance Mathematical Teaching through the use of Meter-sized Triangles
- December 2001, selected as the 11 1/2 Street Fund Outstanding Elementary School Teacher for 2001-2002
- January 2002, filmed by Victoria Risch, HISD Producer, for 11 1/2 Street Grant as students display active learning in center activities. Viewed on PBS, beginning February 2002
- May 14, 2002, Semifinalist Houston ISD, Teacher of the Year
- June 20, 2002, Awarded, TEACHER OF THE YEAR, *Rotary Club of Houston*, as a part of the SMITH AWARDS given yearly
- July 3, 2002, article in, FORT BEND STAR, *Carolyn White is the Top's- Missouri City resident named Houston Teacher of the Year*, by Barbara Fulenwider.
- November 2002, Honored by Houston's, Mayor Lee Brown, during Houston Teacher Excellence Day Awards
- 2004, 2005, 2006, Coach for Robotics sponsored by NASA, Robotics World Champions in the year 2005-Match against South Africa via Satellite
- 2006, Completed course work to become a Trainer for Marzano High Yield Strategies
- September 2006, Speaker at Twenty-year Anniversary of the *Rice University School Mathematics Project*
- 2006-2014, Co-Star in the Houston ISD TV Program Math-A-letics airing on Channel 18 Comcast Cable
- 2007, Assessment training Institute-Rick Stiggins
- 2007, Training-Developing Number Concepts by Kathy Richardson
- July 2007, designated A + Rise Trainer for Houston ISD -Program to help all levels of ELL students
- November 2007, "Using Coconuts, Rutabagas and "Bonacci Numbers to Develop Mathematical Concepts" presented at the NCTM Regional Conference George R Brown, Houston Texas,
- July 28, 2008, Training in Houston ISD- "Getting Ready 2008" - Teachers use Laptops to utilize new web-based textbook to make lesson plans for the coming year.
- August 2008, Envision trainings for newly adopted elementary textbook, Houston ISD Mathematics Curriculum
- October 2008, designated as a Facilitator for Project C.R.I.S.S. (Creating Independence through Student-owned Strategies)
- November 2008 - Present, Committee Collaborator with Collaborative for Children
- January 2000, Mathematics Training on Literacy in Mathematics, Houston ISD Math Curriculum
- February 2009, "Using Coconuts, Rutabagas and 'Bonacci Numbers' to Develop Mathematical Concepts" presented at the Rice University School Mathematics Project Spring Networking Conference, Houston, TX
- June 2009, Strategies for Increasing Student Achievement in Mathematics Training for Rice University Mathematics Leadership Institute
- July 2009, "Algebraic Reasoning=Problem Solving Success" presented at Conference for Advancement of Mathematics Teaching, Houston, TX.
- Winter 2010, author, "A Visit to Rice Inspires Students" in *Rice at Large*.
- July 2010, "Geometry, Probability and Measurement Workstations 3-5" presented at Conference for Advancement of Mathematics Teaching, San Antonio, TX.
- December 2010, Organized with RUSMP Staff and Houston ISD Staff a visit for about 1,100 Houston ISD Third Graders to visit Rice University
- September 2008 - Present, Mathematics Coach at each of the following schools and school districts: Academy for Accelerated Learning, Bonham

Elem., Burrus Elem., Codwell Elem., Cunningham Elem., Gallegos Elem., Jean Hines-Caldwell Elementary, Jefferson Elem., Kipp Spirit, Montgomery Elem., Moreno Elem, Second Baptist, The Shlenker School, Southmayd Elem., Southwest Schools, St. Thomas Episcopal, Tijerina Elem., Raul Yzaguirre Schools for Success; Galveston ISD schools and Spring ISD schools

- February 2011, Poster, “Math-A-Letics” presented at Scientia Conference at Rice University, Houston, Texas,
- February 15, 2011, author, “The Class of 2020 Takes a Glimpse into College Life” in *Village News*
- March 2011, “Leveraging Technology to Enhance Mathematics Teaching and Learning” presented at EETC Conference, Early Education and Technology for Children Conference, Salt Lake City, UT.
- April 2011, “I Spy Geometry Around Me” presented at National Council of Teachers of Mathematics Annual Meeting in Indianapolis, Indiana
- April 26, 2011, co-author with Susan Troutman, “iPod Touch Class for Elementary Mathematics Teachers” in *Village News*
- Spring 2011, author, “A Glimpse of College Life” in *Rice at Large*
- Spring 2011, author, “Teaching Mathematics With the iPod Touch” in *Rice at Large*
- July 20, 2011, “Transformation Shuffle” presented at Conference for the Advancement of Mathematics Teachers, Ft. Worth, TX
- November 2011 - Present, Editorial Abstract Review Committee for Early Education and Technology for Children, Salt Lake City, Utah
- July 2012, “Energize Your Math Class with Numeration Games and Activities” presented at Conference for the Advancement of Mathematics Teachers, Houston, TX
- Fall 2012, co-author with Susan Troutman, “Mathematics Teachers Gather at Rice” in *Rice at Large*
- August 2012, co-author with Paul Cruz, Ngozi Kamau, Anne Papakonstantinou, Richard Parr, Susan Troutman, Robin Ward, “Effective Professional Development: Defining the Vital Role of the Master Teacher” in *Journal of Mathematics Education Leadership*
- May 28, 2013, author, “Students Catch a Glimpse of College Life in *Village News*
- October 2013, author, “Supporting a Principal’s Vision to Improve Mathematics Instruction” in *Principal, National Association of Elementary School Principals*
- Summer 2013, Four-day Professional Development on Number Concepts at Galveston ISD
- September 10, 2013, coauthor with Susan Troutman, “Local Math Teachers Study at Rice University” in *Village News*
- September 11, 2013, author, “Local Math Teachers Study at Rice University” in *Dateline Rice*
- April 2014, “Using Coffee Stirrers to Develop and Test Geometric Concepts” presented with Susan Troutman at National Council of Teachers of Mathematics, Denver, CO
- April 2014, “Fun, Fun, Fun with Math Games” presented with Susan Troutman at National Council of Teachers of Mathematics, Denver, CO
- October 2014, “Explore the Content of the Revised K-8 Mathematics TEKS. Decoding the Language of the TEKS & Interpreting the Mathematics in the TEKS: K-5, 6-8” presented with Alice Fisher, Anne Papakonstantinou, Richard Parr, and Susan Troutman at Texas Association of Supervisors of Mathematics (TASM) Business Meeting, Austin, TX
- March 2014, “Techniques That Support Struggling and Novice Mathematics Teachers” presented with Susan Troutman at ASCD Annual Conference, Houston, TX
- Fall 2014, “Why is it Important for Mathematics Teachers to Know about Lexile Measures?” presented at RUSMP Fall Networking Conference, Houston, TX
- Fall 2014, co-author with Susan Troutman “A Math Bridge” in *Rice at Large*
- Fall 2014, Review of Houghton Mifflin Harcourt, Mathematics Textbooks Grades k-6
- 2014 - Present, Review of Personal Financial Literacy Lessons K-8, Texas Council for Economic Education, TCEE
- April 2015, “Promoting Algebraic Thinking through the Lens of Number” presented at National Council of Teachers of Mathematics Annual Meeting, Boston, MA
- April 2015 - Present, Mathematics Advisory Committee, Houston Children’s Museum of Houston, Texas
- May 2015 - May 2016, Mathematics Curriculum Alignment Friendswood ISD
- June 2015, “Where Is Number in Algebraic Reasoning?” presented at Conference for Advancement of Mathematics Teaching, Houston, TX
- November 2015, “Techniques that Support Struggling and Novice Teachers” presented with Susan Troutman at Advancing Improvement in Education Conference, AIE Conference, San Antonio Texas.
- April 2016, “Algebraic Reasoning for All Students” presented with Susan Troutman at National Council of Teachers of Mathematics Annual Meeting, San Francisco, CA
- April 2016, co-author with Danya Corkin, Adem Ekmekci, and Alice Fisher, “Teachers’ Self-efficacy and Knowledge for the Integration of Technology in Mathematics Instruction at Urban Schools” in K. V. Adolphson & T. M. Olson (Eds.), *Proceedings of the 43rd Annual Meeting of the Research Council on Mathematics Learning* (pp. 101–108).
- December 20, 2016, co-author with Susan Troutman, “School House Mania Spotlights Mathematics!” *Village News*
- 2016-2017 *Duchesne Catholic School Curriculum Review Grades K-5*
- Spring 2017, co-author with Susan Troutman “Basketball + Mathematics=Excitement” *Village News*
- April 2017, “Developing Algebraic Thinking through Problem-solving Activities” presented with Susan Troutman at National Council of Teachers of Mathematics Annual Meeting, San Antonio, TX
- April 2018, “Using Coffee Stirrers to Test Geometric Concepts” presented with Susan Troutman at National Council of Teachers of Mathematics Annual Meeting, Washington DC
- July 2018, “Using Coffee Stirrers to Develop and Test Geometric Concepts” presented with Susan Troutman at Conference for the Advancement of Mathematics Teaching, Houston, TX
- July 2018, “Algebraic Thinking for All Students” presented with Susan Troutman at Conference for the Advancement of Mathematics Teaching, Houston, TX
- July 2018, “Dare to Dive into Data” presented with Susan Troutman at Conference for the Advancement of Mathematics Teaching, Houston, TX
- October 2018, “Math Workshop for Prek-5 Parents” presented for Rice African American Network, Houston, TX
- White, C. (2020, Winter). “Computer science demystified at Burrus Elementary”. *Rice at Large*, 41, p. 5.
- Accelerate Learning, Mathematics Advisory Committee (2018-present)
- July 2019, “Algebraic Reasoning”, Grades 3-Calculus, Conference for the Advancement of Mathematics Teaching, San Antonio Texas
- Papakonstantinou, A., White, C., & Ward, R. (2020, Spring). “Rice Offers Free Math Activities During Covid-19”.
- White, C. (2020, April 7). “New to Homeschooling? RUSMP Offers PreK-12 Mathematics Resources for At-Home Use”. *Village News/Southwest News*, 35(44), pp. 1, 8.
- White, C. (2019, December 17). “RUSMP Facilitates 2019 Hour of Code at Burrus Elementary School”. *Village News/Southwest News*, 35(29), pp. 2, 9.
- White, C. (2019, December 31) “RUSMP Challenges Students in Math during School House Mania”. *Village News/Southwest News*, 35(30)
- **Diversity in Mathematics Professional Development**
 - 2020-2021 Spring ISD-Hoyland feeder pattern- Carolyn White Coaching and Mentoring -*Promoting Equity and Cultural*

Proficient Mathematics Lessons to Enhance Understanding of Mathematics Concepts

- 2020-2021 Yzaguirre School District-Elite Primary-Coaching and Mentoring- *Promoting Equity and Cultural Proficient Mathematics Lessons to Enhance Understanding of Mathematics Concepts*
- 2020-Summer-Rice University School Mathematics Summer Campus Program Teachers Grades K-5-Modeling Virtual Learning lessons that are Culturally Relevant for students to develop an understanding of Mathematics Concepts correlated to course: *Exploring Number Concepts in Grades 2-5*
- 2017-Present Carolyn White Houston ISD Teacher Coaching and Mentoring- *Promoting Equity and Cultural Proficient Mathematics Lessons to Enhance Understanding of Mathematics Concepts* at the following school: Burrus, Ketelsen, Moreno, Coop, Berry, Garcia, Southmayd, Mc Gowen, Northline, Sherman, Cunningham, Marshall, Montgomery, Jefferson,
- 2017-Present- Academy of Accelerated Learning Charter School-Carolyn White- Coaching and Mentoring- *Promoting Equity and Cultural Proficient Mathematics Lessons to Enhance Understanding of Mathematics Concepts*
- 2016-2017-Carolyn White, *Equity, Rigor and Relevance to promote achievement through Cultural Relevant Instruction* - Spring ISD, Best Cohort of Schools
- 2017-Carolyn White, *Equity, Rigor and Relevance to promote achievement through Cultural Relevant Instruction*-Spring ISD Schools, Bammel, Major and Clark
- 2010-Carolyn White and Ngozi Kamu, *Equity Issues in Education*, Professional Development at La Marque ISD mathematics teachers grades 6-12
- 2009- Carolyn White and Ngozi Kamu, *Equity Issues in Education*, Professional Development Rice University School Mathematics Project, NSF Mathematics Leadership Institute, teachers grades 9-12
- 2009 Galveston ISD, Carolyn White and Ngozi Kamu, *Equity Issues in Education*, Professional Development mathematics teachers grades 6-12
- 2009-Galena Park ISD, Carolyn White and Ngozi Kamu, *Equity Issues in Education with Stories from the Field of Teaching*, Professional Development 2009 mathematics teachers grades 6-12