

Shirley Kitchens

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EDUCATION

Masters of Mathematics – Magna Cum Laude

August 2016

Texas Tech University at Lubbock, Texas

Course Reports

Sponsor: Dr. Chris Monico

Certificate in Mathematics

January 1986

Texas Tech University at Lubbock, Texas

Major Coursework: College Algebra, Trigonometry, Calculus I, II, III, Advanced Calculus, Analytical Geometry, Linear Algebra, Advanced Engineering Mathematics, Mathematical Statistics, Classical Applied Analysis

Texas Educator Certificate in Secondary Mathematics

Bachelor of Science in Secondary Education

May 1976

Texas Tech University at Lubbock, Texas

Texas Educator Certificate in Secondary English

Texas Educator Certificate in Secondary Speech

TEACHING AND ADVISING EXPERIENCE

Mathematics Instructor

May 2016 - Present

Mathematics 1314, Lone Star College – Tomball and Creekside campuses

- Instructor for three sections of College Algebra.
- Created notes for each chapter of College Algebra with detailed steps.
- Posted lessons online to stimulate higher levels of cognitive recognition and discussion in the next day's class.
- Taught mathematics using differentiated instruction.
- Developed lessons with introductory videos which utilize real-world concepts to enhance student learning.

Mathematics Instructor

August 2015 – January 2016

Algebra II, Morton Ranch High School - Katy ISD

- Instructor for three sections of Algebra II for at-risk senior students.
- Instructor for two sections of Algebra II for academic freshmen students.
- Prepared students for district Algebra II standardized test - highest student pass ratio
- Created innovative and interactive lessons for Smart Boards.
- Posted daily lessons to create better communication of mathematical topics for parents and students to review.

Mathematics Instructor**August 2014 – July 2015***Algebra III*, Goose Creek Memorial - Goose Creek ISD

- Instructor for six sections of Algebra III for at-risk senior students.
- Prepared students for the college Texas Success Initiative Assessment which increased pass ratio from 0% to 50%.
- Created lessons for the Promethean Board using colored-coordinated concepts and interactive features to engage students.
- Stimulated learning through iPad activities and problem solving which increased student participation.

Mathematics Instructor and Department Chair**August 2007 – July 2014***Algebra II – Geometry – Algebra I*, Clear Horizons Early College High School on San Jacinto Community College - South campus/Clear Creek ISD

- Instructor for four sections of Accelerated Pre-AP Algebra II in the fall followed by four sections of Accelerated Pre-AP Geometry in the spring for four years.
- Instructor for four sections of Pre-AP Algebra I for one year and four sections of Pre-AP Algebra II for two years.
- Wrote the curriculum for college preparatory semester-long Accelerated Pre-AP Algebra and semester-long Accelerated Pre-AP Geometry.
- Prepared students for the state TAKS Assessment – 98% to 100% pass ratio where 52% to 93% achieved the highest commended pass ratio.
- Prepared students for the state STAAR Assessment – a 100% pass ratio where 83% to 100% achieving a Level III recognition.
- Instructor of the first Clear Creek ISD Algebra I to pass TAKS with 98% - the CHECHS' team became the first high school in the district to achieve exemplary status.
- As part of the Clear Horizons Early College High School's team – our school was recognized as one of ten schools in Texas to earn twelve of twelve TEA Golden Performance Acknowledgements.
- Posted lessons online to stimulate higher levels of cognitive recognition and discussion in the next day's class.
- Prepared students for the college Texas Success Initiative Assessment – 95% to 100% pass ratio.

Mathematics Instructor**August 2006 – July 2007***Algebra I*, Clear Creek High School – Clear Creek High School - Clear Creek ISD

- Instructor for six sections of Algebra I for one year.
- Created lessons to stimulate learning – student-led discussions.
- Taught innovative lessons which differentiated instruction through individual and group projects.
- Prepared students for TAKS Assessment.

Mathematics Instructor**August 2005 – July 2006***Algebra for College – Geometry*, Woodlands High School – Conroe ISD

- Instructor for four sections of Algebra I and one section of Geometry.
- Prepared students for TAKS Assessment.

Mathematics Instructor**August 2004 – July 2005***Algebra I – Geometry*, McCullough Intermediate – Conroe ISD

- Instructor for four sections of Algebra I and one section of Geometry.
- Prepared students for TAKS Assessment – Algebra I team raised scores on the state test.

Mathematics/English Instructor**August 1982 – July 1993***Calculus – Algebra II – Algebra I – English*, Slaton High School – Slaton ISD

- As mathematics instructor, introduced of one section of Calculus
- Instructor of three sections of Algebra II for seven years.
- Instructor of three sections of Algebra I for four years – raised pass ratio of TEKS from 76% to 93%.
- Instructor of three sections of sophomore English for nine years – raised pass ratio of TEKS from 73% to 89%.
- Instructor of three sections of junior English for two years.
- Co-wrote proposal for first credited honors program.
- Taught the first Gifted/Talented honors class at Slaton High School.
- Sophomore class sponsor for nine years and junior class sponsor for two years.
- Speech and debate coach.

Mathematics Instructor**September 1988 – May 1991***Fundamentals of Mathematics*, South Plains College – Reese Campus

- Instructor of one section of basic mathematics.

INTERNSHIPS**Rice University****Summer 2009***Rice University School Mathematics Project -RUSMP Program for gifted and talented***Texas Tech University****Summer 1995***Graduate Internship in Special Ed***PROFESSIONAL EXPERIENCE****Regional Vice President****February 1992 – March 2004***Citi Group/Primerica Financial Services* – Lubbock, Texas

- Licensed agent providing options for a broad range of financial services including securities, long-term care, debt management, and life insurance.
- Principal broker providing retirement information and personal savings options for securities investments.
- Mortgage loan officer specializing in debt consolidation and re-arrangement of mortgage loans.
- Managed and trained over 200 field agents and brokers.
- A National Sales Leader in securities

RESEARCH EXPERIENCE

Master's Research

Summer 2016

Graduate School, Texas Tech University at Lubbock, Texas

- Examination of Number Theory from the earliest elements from Divisibility Theory in integers to the language of cryptography and the discoveries relating to the properties of numbers.

CONFERENCES

“Technology Invasion – Rewiring the Brain,” Clear Creek ISD Professional Development, speaker and organizer, Houston, Texas, 2014.

“Marzano’s Highly Engaged Classroom,” Clear Creek ISD Professional Development, Houston, Texas, 2014.

“Engaging All Learners: Secondary Math Curriculum Preview and Professional Development,” League City, Texas, 2011.

HONORS AND AWARDS

Excellence in Teaching, Slaton High School Spring 1993

Technology in Science/Math Grant – Graduate School at Rice University Summer 2009

Outstanding Teacher - International Student Speakers at University of Houston Spring 2014

Clear Creek Independent School District’s top Algebra II teacher – 6 of 8 years 2006-2014

Dean’s List – Texas Tech University Fall 1973 – Summer 1975

President’s List – Texas Tech University Fall – 1975

PROFESSIONAL MEMBERSHIPS AND COMMITTEES

Professional Memberships

Texas Classroom Teachers’ Association

National Council of Teachers of Mathematics

Outside THE BOX – Strategic Think

Professional Committees

Campus Improvement and Recruitment – Clear Creek ISD

Mathematics Vertical Alignment Team, Lead – San Jacinto College/Clear Horizons Early College High School

At-Risk Intervention Committee – Clear Horizons Early College HS

Common Learning Framework Cadre, Co-Lead – Clear Horizons Early College HS

Leadership Team – Clear Horizons Early College HS
Secondary Accountability and Statistics Council– Clear Creek ISD
Campus Instructional Improvement Committee – Clear Creek ISD

REFERENCES

Smith, Rachel - Mathematics Department Chair
Lone Star College – Tomball
281-357-3736
rachel.n.smith@lonestar.edu

Black, Sally – Content Specialist and Mathematics Department Chair
Goose Creek Memorial High School
713-385-8076
sbblack@gccid.net

Jenkins, Linda – CTY Language Arts Supervisor
John Hopkins University
281-770-8086
ljenkins@ctyonline.net

Bunin, Matthew – History Instructor
San Jacinto College/Morton Ranch High School
248-840-4154/281-237-7800
matthew.bunin@sjcd.edu