TEXAS STATE VITA

I. ACADEMIC/PROFESSIONAL BACKGROUND

A. Name: Samuel Obara Title: Associate Professor

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Ph.D.	2006	University of Georgia	Mathematics Education	"The process and impact of implementing performance standards in mathematics"
M.A.	2005	University of Georgia	Mathematics	"Mathematical model in epidemiology"
M.Ed.	2002	University of Georgia	Mathematics Education	
B.S._	1994	Baraton University, Kenya	Mathematics and Technology Education	

C. University Experience

Position	University	Dates
Associate Professor, Department of Mathematics	Texas State University-San Marcos	2012-Present
Assistant Professor, Department of Mathematics	Texas State University-San Marcos	2006-2012
Teaching Assistant, Department of Mathematics and Science Education	University of Georgia	2001-2006
Teaching Assistant, Department of Mathematics and Science Education	University of Georgia	2001-2006

D. Relevant Professional Experience

Position	Entity	Dates
Senior Lecturer	Mombasa Polytechnic, Kenya	1997-2000
Mathematics Teacher	Serani High School, Kenya	1995-1996
Mathematics Teacher	Machongo High School, Kenya	1988-1990

II. TEACHING

A. Teaching Honors and Awards:

- Panel Reviewer Chair for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 30 – 31, 2015, Washington DC (NSF) ($2000

- Panel Reviewer Chair for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. August 11 – 12, 2014, Washington DC (NSF) ($2000)
- Panel Reviewer for the National Selection committee (NSC) for the 2013-2014 Presidential Awards for Excellence in Science, Mathematics, and Engineering Mentoring (**Individual**-PAESMEM Nomination Submissions). January 27 – 28, 2014, Washington DC (NSF) ($1520).
- Panel Reviewer for the National Selection committee (NSC) for the 2013-2014 Presidential Awards for Excellence in Science, Mathematics, and Engineering Mentoring (**Organizational**-PAESMEM Nomination Submissions). January 29 – 30, 2014, Washington DC (NSF) ($1520).
- Panel Reviewer Chair for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 22 – 23, 2013, Washington DC (NSF) ($2000)
- 3 Graduating Students Recognitions as the faculty that contributed significantly to their academic career, 2013.
- Panel Reviewer Chair for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 18 – 20, 2012, Washington DC (NSF) ($2000)
- Completed Math 4311 (Introduction to the History of Mathematics) Course Transformation in the 2011 Multicultural Transformation Institute Sponsored by the Center for Multicultural and Gender Studies. May 16-20, 2011 ($ 1500).
- Panel Reviewer Chair for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 18 – 20, 2011, Washington DC (NSF) ($2000)
- Panel Reviewer for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 26 – 28 2010, Washington DC (NSF) ($2000)
- Panel Reviewer for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. August 12 - 14 2009, Washington DC (NSF) ($2000)
- Completion of the 2006-2007 Texas State University Program for Excellence in Teaching and learning-Travel Funds ($800.00)
- Texas Project Next Travel Fellowship, 2006-2008 (The money covered travel and accommodation costs).
- School of Science Nomination for the Presidential Teaching Award Runner-up -2007 ($2000 award).
- Teaching Excellence Award: Texas State University, Department of Mathematics (2007).
- Travel Grant from National Association of Mathematics, November 12, 2006 ($400)
- Teaching Assistantship, Department of Mathematics Education, University of Georgia, 2001-2006.
- North America Division of Seventh Day Adventist Church Scholarship, 2004-2006 ($10,600)

B. Courses Taught:

At Texas State University (2006-present):

MATH 7366D Teaching Specialized Content Spring 2016
MATH 7399A Dissertation Hours (Joshua Wilkerson) Spring 2016
MATH 7399A Dissertation Hours (Geoffrey Miller & Daniel Cheshire) Spring 2016

MATH 7386 Independent Study (Jonah Mutua)- Fall 2015
MATH 7399A Dissertation Hours (Geoffrey Miller & Daniel Cheshire)- Fall 2015
MATH 1315 College Algebra (Fall 2015)
MATH 1329 Mathematics for Business and Economics (Fall 2015)
MATH 2311 Principles of Mathematics (Fall 2015)
MATH 2312 Informal Geometry (Fall 2015)
MATH 7199A Dissertation Hours (Yuliya Melnikova, Sarah Hanusch & Carlos Mejia Colindres)- Summer 2015

MATH 5303 History of Mathematics (Summer 2015)
MATH 4311 History of Mathematics (Summer 2015)
MATH 7356 B Advanced Qualitative Research (Spring 2015)
MATH 2311 Principles of Mathematics (Spring 2015)
MATH 7399A Dissertation Hours (Sarah Hanusch)-Spring 2015
MATH 7399A Dissertation Hours (Yuliya Melnikova)-Spring 2015
MATH 7199A Dissertation Hours (Carlos Mejia Colindres)-Spring 2015
MATH 7386 Independent Study (Geoffrey Miller)- Spring 2015
MATH 7386 Independent Study (Nichole Armand, Geoffrey Miller and Joni Schneider)-Fall 2014
MATH 7399A Dissertation Hours (Sarah Hanusch)-Fall 2014
MATH 7399A Dissertation Hours (Yuliya Melnikova)-Fall 2014
MATH 4311 History of Mathematics (Summer 2014)
MATH 5303 History of Mathematics (Summer 2014)
MATH 7199A Dissertation Hours (Jake Hammons)-Summer 2014
MATH 5336 Independent Study (Hoda Tavakoli)-Summer 2014
MATH 7399A Dissertation Hours (Sarah Hanusch)-Summer 2014
MATH 7356 B Advanced Qualitative Research (Spring 2014)
MATH 2311 Principles of Mathematics (Spring 2014)
MATH 2311 Principles of Mathematics (Fall 2013)
MTE 5321 Probability and Statistics (Fall 2013)
MATH 4311 History of Mathematics (Fall 2013)
MATH 7396 Independent Study (Sarah Hanusch)-Fall 2013
MATH 7396 Independent Study (Abby Gail Mask)-Fall 2013
MATH 7999 Dissertation Hours (Jake Hammons)-Fall 2013
MATH 4304 Math Understanding (Spring 2013)
MATH 2311 Principles of Mathematics I (Spring 2013)
MATH 2312 Informal Geometry (Spring 2013)
MATH 7386 Independent Study (Sarah Hanusch)-Spring 2013
MATH 7386 Independent Study (Jake Hammons)-Fall 2012
MATH 7378C Representing Math Ideas (Fall 2012)
MATH 2312 Informal Geometry (Fall 2012)
MTE 5321 Probability and Statistics (Summer 2012)
MATH 5303 History of Mathematics (Summer 2012)
MATH 4304 Math Understanding (Spring 2012)
MATH 2311 Principles of Mathematics I (Spring 2012)
MATH 2312 Informal Geometry (Fall 2011)
MATH 2311 Principles of Mathematics I (Summer 2011)
MATH 2328 Elementary Statistics (Summer 2011)
MATH 7356 B Advanced Qualitative Research (Spring 2011)
Math 5304 Mathematics for High School Teachers (Fall 2010)
MATH 2311 Principles of Mathematics I (Fall 2010)
MATH 7378B Connecting and Communicating Math (Summer 2010)
MATH 2311 Principles of Mathematics I (Summer 2010)
MATH 2311 Principles of Mathematics I (Spring 2010)
MATH 2311 Principles of Mathematics I (Fall 2009)
MATH 7366B Teaching K-12 Students (Summer 2009)
MATH 2311 Principles of Mathematics I (Summer 2009)
MTE 5315 Algebraic Reasoning (Spring 2009)
MATH 2311 Principles of Mathematics I (Spring 2009)
MATH 2311 Principles of Mathematics I (Fall 2009)
MATH 2312 Informal Geometry (Fall 2008)

MATH 2311 Principles of Mathematics I (Fall 2008)
MATH 7366C Teaching Teachers (In-Service; Pre-service) (Summer 2008)
MATH 2312 Informal Geometry (Spring 2008)
MATH 2311 Principles of Mathematics I (Spring 2008)
MATH 2311 Principles of Mathematics I (Fall 2007)
MATH 2312 Informal Geometry (Fall 2007)
MATH 2311 Principles of Mathematics I (Spring 2007)
MATH 2312 Informal Geometry (Spring 2007)
MATH 2311 Principles of Mathematics I (Fall 2006)
MATH 2312 Informal Geometry (Fall 2006)

At University of Georgia (2001-2006):
EMAT 4680: Technology and Secondary School Mathematics
EMAT 4/6650: Historical and Cultural Foundations of Mathematics
EMAT 4/6600: Problem Solving in Mathematics

C. Graduate Theses/Dissertations or Exit Committees (if supervisor, please indicate):
-PhD Dissertation Supervisor of Jake Hammons (2012-2014) – Texas Woman's University
-PhD Dissertation Supervisor of Sarah Hanusch (2013-)
-PhD Dissertation Supervisor of Yuliya Melnikova (2013-)
-PhD Dissertation Supervisor of Carlos Mejia Colindres (2015-)
-PhD Dissertation Supervisor of Geoffrey Miller Colindres (2014-)
-PhD Dissertation Committee Namakshi Namakshi (2012-)
-PhD Dissertation Committee Member of Abby Gail Mask (2012-2014)
-PhD Dissertation Committee Member of Joni Schneider (2012-)
-PhD Dissertation Committee Member of Robert Jaster (2011-2013)
- PhD Dissertation Committee Member of Aimee Tennant-Mathematics (2011 – 2012)
- PhD Dissertation Committee Member of Ewelina McBroom-Mathematics (2010 – 2012)
- Masters Theses Committee Member of Isaac Sitienei-Agriculture (2010-2011)-Graduated Summer 2011
- PhD Dissertation Committee Member of Robert Pittman-Mathematics (2009-2011)

D. Courses Prepared and Curriculum Development:

- Multicultural Curriculum Transformation of Math 4304

E. Funded External Teaching Grants and Contracts:

F. Submitted, but not Funded, External Teaching Grants and Contracts:

G. Funded Internal Teaching Grants and Contracts:

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

III. SCHOLARLY/CREATIVE

A. Works in Print

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

- Obara, S. (2011) Algebra and Society. In S. J. Greenwald (ED). *Encyclopedia of Mathematics; 3, 36-42*: Salem Press.

e. Creative Books:

2. Articles

a. Refereed Journal Articles:

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- Obara, S. (2013) where is the Square: Activity to Stimulate Spatial Reasoning. *Australian Senior Mathematics Journal*, 27 (1) 18-25
- Obara, S. (2012). What do you find? Students Investigating Patterns in Pascal Triangle. The Journal of the American Mathematical Association of Two-Year Colleges 4 (1) 63 - 68
- Obara, S. (2012). Where are the Congruent Halves: Activity to Stimulate Spatial Reasoning. *Journal of Mathematics Teaching in Middle School, 17 (8) 480-485*
- Obara, S. (2011) Professional Development: The corners stone of teacher development. Far East Journal of Mathematics Education, 7,(2) 145-155
- Adams, M, Obara S. (2011) Recurrent epidemics resulting from secondary transmission routes in SIR model. *Electronic Journal of Differential Equations, 2011 (142) 1-12*
- Obara, S., Jiang, Z. (2011). What is Inside the Cube? Students' Investigation with Models and Technology. *Mathematics Teacher Journal,* 105 (2) 102 - 110
- Obara, S. 2011. School Accountability: Mathematics Teachers Struggling with Change. *Journal of Case Studies in Education, 2 70-83*
- Obara, S. 2010. The Role of Technology in A Geometry Investigation. *Mathematics and Computer Education Journal, 44 (3) 196-204*
- Obara, S. 2010. Relationship of Viewing Tube to Field of Vision: Students' Investigation of a View Tube. *Mathematics Teacher Journal, 104 (2) 126-132*
- Obara, S. 2010 Developing Spatial Skills: Constructing Two-Dimensional Nets of Three-Dimensional Shapes Using Technology. *Journal of Mathematics Teaching In Middle School, 15 (8) 472-478*
- Obara S. 2010 Mathematics Coaching: A new Type of Professional Development. *Teacher Development Journal*, 14 (2) 241-251

- Obara, S., & Sloan, M (2009). Classroom Experience with New Curriculum Materials during the Implementation of Performance Standards in Mathematics: A Case Study of Teachers Coping with Change. *International Journal of Science and Mathematics Education, 8 349-372.*
- Obara, S. (2009). Decomposing Solids: Activities to Develop Spatial Sense. *Journal of Mathematics Teaching in Middle School, 14 (6) 336-343*
- Obara, S. (2009). Changing Diameter of Viewing Tube: Results of Students Investigation. *Journal of Mathematics Teaching, 212 20-26*
- Obara, S. (2009). Where Does the Formula Come From? Students Investigating Surface Area of A Pyramid and Cone Using Model and Technology. *The Australian Mathematics Teacher Journal, 65 (1) 25-33*
- Obara, S., & Sloan, M. (2009). The Role of A Mathematics Coach During the Implementation of Performance Standards. *Professional Educator Journal 33 (2) 1-13*
- Obara, S. & Jiang, Z (2009). Using Dynamic Geometric Software to Investigate A quadrilateral. *The Electronic Journal of Mathematics and Technology, 3 (3) 273-284*
- Obara, S. (2009). What you see is what you get: Investigations With A View Tube. *Australian Senior Mathematics Journal 23 (2) 35-46*

a. Under Review Refereed Journal Articles:

- Obara, S. (2016 - *Revise and resubmit*) Exploring the role of pattern-based reasoning in undergraduate algebra education. Submitted to *Mathematical Thinking and Learning Journal (Revise and resubmit)*
- Miller, G. & Obara, S. (2015 *Revise and resubmit*). Dispelling the Butterfly Effect. Submitted to *Australian Mathematics Teacher*
- Obara, S. Jiang, Z (2015-Under review) Teachers' perspectives of the implementation of dynamic geometry instructional approach and its relationship to student achievement. Submitted to International Journal of Technology in Mathematics Education
- Obara, S. (2016-Under review) Lesson Study as A Form of Professional Development: In-Service Teachers' Perspective. Submitted to Journal of Teacher Education
- Obara, S. (In progress-ready for submission) Learning by Discovery: Pre-service Teachers' Investigation using Geoboard
- Obara, S. (In Progress). Using the Geometer's Sketchpad with Pre-service Teachers
- Obara, S. (In Progress) construct, explore, conjecture and proof: In-service teachers experience with Dynamic Geometry Software.

b. Non-refereed Articles:

3. Abstracts:

4. Reports:

5. Book Reviews:

6. Other:

B. Works not in Print

1. Papers Presented at Professional Meetings:

- Spatial Visualization: The Efficacy of Teaching Spatial Reasoning Skills via 2-D Pentoninos, 3-D Pentoninos, Dime Solids, and Dynamic Computer Programs (Invited). The 6th Annual Mathematics for English Language Learners Conference, July 8-10, 2010 San Marcos, TX.
- What is Inside the Cube? Students' Investigation with Models and Technology. Conference for the Advancement of Mathematics Teaching (CAMT-Sponsored by Texas Council of Teachers of Mathematics, Texas Association of Supervisors, and the Texas Section of Mathematical Association of America). Houston, TX July 15-17 2009
- Lesson Study as A Form of Professional Development (Invited). The 89th Meeting of the Texas Section of the MAA University of North Texas, April 16-18, 2009
- The Role of Technology in a Geometry Investigation (Invited). The 89th Meeting of the Texas Section of the MAA University of North Texas, April 16-18, 2009
- "How Much Can You See? Investigations With A View Tube". The 4th Annual Mathematics for English Language Learners Conference San Marcos, TX July 31 & Augusts 1-2, 2008
- "Where is the Pyramid, Where is the Cube: Activities to Develop Spatial Sense of Students". Conference for the Advancement of Mathematics Teaching (CAMT-Sponsored by Texas Council of Teachers of Mathematics, Texas Association of Supervisors, and the Texas Section of Mathematical Association of America). Dallas, TX July 9-11 2008
- Developing Spatial Skills: Constructing Two-Dimensional Nets of Three-Dimensional Shapes using Technology. Meeting of the Texas Section of the MAA. Stephenville, TX. April 3 - 5, 2008
- "Classroom Experience with New Curriculum Materials during the Implementation of Performance Standards in Mathematics: A Case Study of Teachers Coping with Change" Annual Joint Mathematics Meeting (Sponsored by MAA, AMS). San Diego, CA . January 6 – 9, 2008
- "Curriculum Materials Implementation of the Performance Standards". Meeting of the Texas Section of the MAA. Edinburg, TX. April 12 - 14, 2007
- "The Process and Impact of Implementing Performance Standards in Mathematics" Annual Joint Mathematics Meeting (Sponsored by MAA, AMS). New Orleans, January 4-8, 2007
- "The Mathematics Coach and the Implementation of Performance Standards" Annual Joint Mathematics Meeting (Sponsored by MAA, AMS). New Orleans, January 4-8, 2007

2. Invited Talks, Lectures, Presentations:

- The benefits of using Nvivo software to aid the research process. Mathematics Education Seminar, Texas State University, San Marcos, October 9, 2015.
- Pascal's Triangle Exploration; NAM's Undergraduate MATHFest XXIII, Texas State University, San Marcos TX; Friday November 8, 2013.
- Preparing Materials and how to put it together. Program for Excellence in Teaching and Learning for New Tenure Track Faculty; Tuesday, November 30, 2012

- New Tenure-Track Faculty Orientation: Program for Excellence in Teaching and Learning for New Tenure Track Faculty; Tuesday, August 21, 2012
- Spatial Reasoning via 2-D, 3-D. Saturday Morning Math Group (SMMG) Mathematics Department, The University of Texas, Austin, November 12, 2011.
- Classroom Experiences with New Curriculum Materials During the Implementation of Performance Standards in Mathematics: A Case Study of Teachers Coping with Change, Mathematics Education Seminar, Texas State University, San Marcos, November 11, 2011.
- The Evolving Role of a Mathematics Coach During the Implementation of a new Curriculum, Mathematics Education Seminar, Texas State University, San Marcos, October 28, 2011.
- The Mathematics in the Pictures. Graduate Mathematics Open House Mathematics Department, Texas State University, San Marcos-Keynote Speaker, October 14, 2011.
- The Efficacy of Teaching Spatial Reasoning via 2-D, 3-D Pentominos, Dime Solids, and Dynamic Computer Programs. Mathematics Education Seminar, Texas State University, San Marcos, April 9, 2010.
- Three-dimensional Shapes Using Zometool, vZome and GSP software", Mathematics Education Seminar, Texas State University, San Marcos, November 14, 2008.
- "Activities to Develop Spatial Sense of Students", Mathematics Education Seminar, Texas State University, San Marcos, October 19, 2007.
- "Video and Audio Media in Qualitative Research", Mathematics Education Seminar, Texas State University, San Marcos 2006

3. Consultancies:

4. Workshops:

- 2012 Creating and Teaching and Online Course Workshop, Texas State University May 14th – 23rd 2012
- 2012 Technology Integration Workshop, Texas State University, July 30th – August 10th
- 2011 Multicultural Curriculum Transformation Institute, Texas State University Presented By Dr. Sandra Mayo May 16-20, 2011
- NVivo* Software Training Seminar, Texas State University Presented by Dr. Emily Summers Fall 2010
- College Readiness Initiative Faculty Collaborative: Mathematics Symposium, Austin, TX, November 21, 2008.
- Career Grant Writing session" Texas State University, San Marcos, April 20, 2007
- Attended workshop "Preparing and Submitting Grant Proposal: Step by Step" by Dr. Phyllis McBride from Texas A&M, Texas State University, San Marcos, January 26th 2007

- "Grant Writing Workshop" Texas State Proposal Development Series" Texas State University, San Marcos, August 16th 2006.
- Attended workshop "Embedding Assessment of Student Learning Outcomes in Regularly Scheduled Assignments by" by Dr. Larry H. Kelley, Texas State University, San Marcos, September 29th 2006.

5. Other:

C. Grants and Contracts

1. Funded External Grants and Contracts:
- NSF Grant, "Dynamic Geometry in Classrooms." (2009-2015) Senior Faculty Amount: $2,090,450.

2. Submitted, but not Funded, External Grants and Contracts:
- NSF Career Grant, "Mid-Math: Making Sense of Professional Development." PI Amount: $814966 (2007).
- Teacher Quality Grant Program, "A Mathematical Modeling for Teachers." Date Submitted: January 26, 2009 Co-PI Amount: $468,096 (for 2 years).

2*. Under Review External Grants:

3. Funded Internal Grants and Contracts:
- The P-16 Collaborative Science and Math Faculty Grant Program Diversity and Equity Initiative (2008-2009), Texas State University, PI. "Deeper Exploration of Mathematics". Amount: $15,000.
- Research Enhancement Program (REP) Grant Award (2006-2007), Texas State University, PI. "Making Sense of Professional Development". Amount: $8,000.

  *NOTE: There is a teaching component to the grants.

4. Submitted, but not Funded, Internal Grants and Contracts:
- Research Enhancement Program (REP) Grant Award (2008-2009), Texas State University, Co-PI. "Dynamic Geometry in High School Mathematics Classroom". Amount: $16,000.
- Library Grant (2006-2007), Texas State University, PI. Amount: $3,000.

5. Funded External Equipment Donations:

D. Fellowships, Awards, Honors:
- Research Excellence Award: Texas State University, Department of Mathematics (2010).

IV. SERVICE

A. University:
- Coordinated and reporting the Results for the Math General Education Courses Evaluation (Math 1312, 1315, 1316, 1317, 1319, 1329, 2321, 2417, and 2471)-Texas State University, 20013-Present.

- A member of STEM TASK FORCE, College of Science and Technology (2010-present)
- Coordinated and reporting the Results for the Math General Education Courses Evaluation SACS ACCREDITATION for Math 1315, 1316 and 1319-Texas State University, 2007-Present.
- Masters Theses Committee Member of Isaac Sitienei-College of Applied Arts, Department of Agriculture (2010-2011) Graduated Summer 2011
- Mentor for six Minority Undergraduate Students at Texas State University (2012-Present)
- Mentor for two Masters Graduate Students at Texas State University (2013-Present)
- Mentor for Students Athlete at University of Georgia (2002-2006)

B. Departmental:

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- PhD Dissertation Supervisor of Jake Hammons (2012-2014) – Texas Woman's University
- PhD Dissertation Supervisor of Sarah Hanusch (2013-2015) – Suny Oswego University
- PhD Dissertation Supervisor of Yuliya Melnikova (2013-2015) – Indiana University of Pennsylvania.
- PhD Dissertation Supervisor of Carlos Mejia Colindres (2014-2015) – Assessment Specialists II AD College Board Assessment Educational Testing Service (ETS)
- PhD Dissertation Supervisor of Geoffrey Miller (2014-)
- PhD Dissertation Supervisor of Joshua Wilkerson (2015-)
- PhD Dissertation Committee Namakshi Namakshi (2012-)
- PhD Dissertation Committee Member of Abby Gail Mask (2012- 2014)
- PhD Dissertation Committee Member of Joni Sc
- hneider (2012- Present)
- PhD Dissertation Committee Member of Robert Jaster (2011-2012)
- PhD Dissertation Committee Member of Aimee Tennant-Mathematics (2011 – 2012)
- PhD Dissertation Committee Member of Ewelina McBroom-Mathematics (2010 – 2012)
- Masters Theses Committee Member of Isaac Sitienei-Agriculture (2010-2011)-Graduated Summer 2011
- PhD Dissertation Committee Member of Robert Pittman-Mathematics (2009-2011
- A member of Applied Math Hiring Committee for 3 Tenure Track Position (**2015-2016**)
- A member of Applied Math Hiring Committee for Tenure Track Position (2013)
- A member of Mathematics Education Hiring Committee for Tenured Position (2014)
- A member of Committee on Committees (2012 – Present)
- Chair of Recruiting and Assigning New Graduate TA'S and IA'S (2015 – Present)
- Recruiting and Assigning New Graduate TA'S and IA'S (2011 – Present)
- Coordinated the Math General Education Courses Evaluation Committee, Department of Mathematics SACS ACCREDITATION for Math 1315, 1316 and 1319-Texas State University, **2007-present**.
- Mentor for five PhD Students at Texas State University (2014-2015)
- Served on the Program Outcomes Committee, Department of Mathematics, Texas State University, **2006-Present**.
- Served on the Textbook Committee, Department of Mathematics, Texas State University, 2006-Present.
- Served on the Library Committee, Department of Mathematics, Texas State University, 2006-Present
- Served on Math 2311 Syllabus committee (I designed the departmental syllabus 2010-2011)

C. Community:

- Member of Campus Leadership Team at Simon Middle School, Kyle Tx 78640, 2011- present

- Organizing secretary of Minto Austin Association (MAA), a non-profit organization-helping those in need. 2008-present.

D. Professional:

- Panel Reviewer Chair for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 30 – 31, 2015, Washington DC (NSF) ($2000
- Reviewed Manuscript, "Teachers' perceptions of teaching mathematics at senior secondary level in Fiji" for *Australian Senior Mathematics Journal on* September 27, 2012.
- Panel Reviewer Chair for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 18 – 20, 2012, Washington DC (NSF)
- Developed Spatial Reasoning Materials for Kyle Elementary School and Buda Elementary Schools for the after School Program. I and the GT teacher participated in the After school program.****
- Reviewed Manuscript "The Effect of a Modified Moore Method on Attitudes and Beliefs in Precalculus" January 2011
- Panel Reviewer for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. July 26 – 28 2010, Washington DC (NSF)
- Panel Reviewer for the National Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program. August 12 - 14 2009, Washington DC (NSF)
- Reviewed Manuscript, "Use-Value or Exchange-Value? The Curriculum Differentiation of Vocational and Critical Mathematics" for *The Teacher College Record Journal* on September 22, 2008.
- Reviewed Manuscript, "Lesson Study: Teachers Struggling with Change" for *The Mathematics Educator Journal* on September 23, 2008.
- Reviewed Manuscript, "Polar Food for Thought" for the *Texas College Mathematics Journal* April, 3 2007
- Reviewed Manuscript, "Professional Knowledge Base of a Competent Secondary Mathematics Teacher: Implication for Teacher Preparation" for *The Mathematics Educator Journal* on March 19, 2007.
- Chair of contributed Papers session: "Annual Joint Mathematics Meeting, New Orleans, January 5-8, 2007.
- Reviewed Manuscript, "Designing an Evaluation of a Professional Development Workshop for Mathematics Teachers: A Case Study" for *The Mathematics Educator Journal* on December 7, 2006.

E. Organizations

1. Honorary:

2. Professional:

- Member of National Council of Teachers of Mathematics
- Mathematical Association of America
- Association of Mathematics Teacher Educators