

## Dawn R. Parker, Ph.D.

### University Address

Dept. of Teaching, Learning, and Culture  
Texas A&M University  
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## EDUCATION

*August 1997*

Texas A&M University, College Station, Texas  
Doctor of Philosophy in Curriculum and Instruction  
Specialty in Mathematics and Science Education

*May 1991*

Texas A&M University, College Station, Texas  
Master of Science in Zoology  
*Awarded Outstanding Teaching Assistant, Masters Level*

*May 1989*

Howard Payne University, Brownwood, Texas  
Bachelor of Science in Secondary Education  
Teacher Certification in Mathematics and Biology  
*Awarded Outstanding Secondary Educator*

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## TEACHING EXPERIENCE

*Sept 2009 – Present*

*Texas A&M University*  
Department of Teaching, Learning, and Culture  
*Clinical Professor*, Mathematics and Science Education  
Courses Taught: Mathematics Methods in the Middle School;  
Science Methods in the Elementary School  
Science Methods for the Middle and Secondary School  
Math Methods for the Middle and Secondary School  
Curriculum in the Middle School  
Teaching Skills II  
Problem Solving in Mathematics  
Graduate Courses: Educator as Learner (Online)  
Analysis of Teaching Behavior (Online)  
Curriculum Development (Online)  
Curriculum Theory (Online)  
Cultural Foundation of Education (Online)  
Mentoring the Novice Teacher (Online)  
Coordination of Middle and Secondary Preparation Programs

*Jan 2014 – Dec 2016*

*Director of Teacher Preparation*  
*College of Education and Human Development*

*Sept 2004 – August 2009* Texas A&M University  
Department of Teaching, Learning, and Culture  
*Clinical Associate Professor*, Mathematics and Science Education  
Courses Taught: Mathematics Methods in the Middle School;  
Science Methods in the Middle School  
Introduction to Middle Grades Education  
Curriculum in the Middle School  
Graduate Courses: Educator as Learner (Online)  
Curriculum Theory (Online)  
Supervisor for Middle Grades Mathematics and Science  
Senior Methods Interns

*Spring 2006, Spring 2007,  
Spring 2008, Spring 2009* Primary Educator Preparation Program (PEPP)  
Courses Taught: Mathematics and Science Methods:  
Qatar University: Doha, Qatar

*Sept 2003 – May 2004* Texas A&M University  
Department of Teaching, Learning, and Culture  
*Clinical Assistant Professor*, Mathematics and Science Education  
Courses Taught: Mathematics Methods in the Middle School;  
Science Methods in the Middle School  
Team Leader for Middle Grades Mathematics and Science Senior  
Methods Field-Based Program

*Sept 2002 – May 2003* Texas A&M University  
Department of Teaching, Learning, and Culture  
*Clinical Assistant Professor*, Mathematics and Science Education  
Courses Taught: Mathematics in the Elementary School;  
Science in the Elementary School  
Insects Across the Curriculum  
Team Leader for Elementary Senior Methods Field-Based Program

*Sept 1999 – May 2002* Texas A&M University  
Department of Teaching, Learning, and Culture  
Coordinator, Professional Development School Program

*Sept 1998 – Dec. 2000* Texas A&M University  
Department of Educational Curriculum and Instruction  
Lecturer, Mathematics and Science Education

*Sept 1997 – Aug 1998* Texas A&M University  
Department of Educational Curriculum and Instruction  
Visiting Assistant Professor, Mathematics and Science Education

*Jan 1996 – Dec. 2007* Blinn College, Bryan, Texas  
Division of Mathematics and Engineering, Part-Time Faculty  
Courses Taught: Algebra; Intermediate Algebra; Mathematics  
for Elementary Education

*Sept 1996 – Jan 1996* Texas A&M University, College Station, Texas  
 Department of Educational Curriculum and Instruction  
 Doctoral Graduate Assistant, Science Education  
 Course Taught: Science in the Middle and Secondary School

*Sept 1997 – May 2007* Blinn College, Bryan Campus  
 Part-time Instructor Developmental Mathematics Program  
 Courses Taught: Algebra and Intermediate Algebra  
 Mathematics for Elementary Education

*Aug 1992 – Aug 1994* Huntsville High School, Huntsville, Texas  
 Courses Taught: Biology I; Human Anatomy and Physiology

*Aug 1991 – May 1992* Stroman High School, Victoria, Texas  
 Courses Taught: Pre-Algebra; Algebra I

*Summers 1991, 1992* Wharton County Junior College, Wharton, Texas  
 Lecturer, Biology Department  
 Course Taught: Human Anatomy and Physiology

*Aug 1989 – May 1991* Texas A&M University, College Station, Texas  
 Graduate Teaching Assistant, Biology Department  
 Courses Taught: General Biology and Physiology Labs

## **RESEARCH EXPERIENCE**

*Jan 2019 – Present* Mathematics Teacher Education Partnership (MTEP):  
 STRIDES Research Action Committee: Mentoring and  
 retention of novice teachers, Researcher and member

*Sept 2011 – Aug 2013* STEM Teacher Preparation Academy, Collaboration between  
 Teaching Learning and Culture and Math and Science Center,  
 Texas A&M University, Co-Director

*Sept 2010 – 2011* National Center for Educator Development (NCED)  
 Project with Texas A&M University and Qatar University  
 Project Coordinator

*Sept 2009 2011* Professional Development Activities for Teachers and  
 Administrators: Mathematics College and Career Readiness  
 Standards; Texas A&M Department of Teaching, Learning, and  
 Culture and Region VII- Project Coordinator

*Jan 2008 – Dec 2010* Investigation and Impact of *Education for a New Era* in Qatar:  
 Classroom and School Processes on Student Outcomes  
 Qatar National Research Fund (QNRF); Collaborative Research

Project of Faculty from Qatar University and Texas A&M  
Department of Teaching, Learning, and Culture

*May 2004 – June 2009*

Texas A&M University - University of Qatar Teacher Preparation  
Project: Planning and Implementation of a one-year Post-Bacc  
Teacher Preparation Program for Primary Education

*May 2006 – May 2007*

Mathematics TEKS Connections (MTC) Project: Development of  
Preservice Teacher Education Modules for Mathematics Teaching

*April 2003 – Sept 2003*

Perceptions of Mathematics and Science Teacher Preparation  
Academy for Educator Development--Regents' Initiative Grant  
Department of Teaching, Learning, and Culture, Department of  
Mathematics, Texas A&M University

*Sept 2002 – May 2003*

Preservice Teacher Perceptions of Competence and Confidence in  
the use of Instructional Technologies; data collected through on-  
line surveys; Texas A&M University and University of North  
Texas

*May 2002 – Sept 2003*

Bugs As Teaching Tools Across the Curriculum; Collaborative  
Research Project: Department of Teaching, Learning, and Culture,  
Department of Entomology, and Aldine ISD

*May 2001 – Sept 2001*

Collaborative Research Grant for the Development of Technology  
Mediated Algebra Modules

*Jan 1997 – Sept 2000*

Insects in the Classroom; Collaborative Research Project:  
Department of Educational Curriculum and Instruction,  
Department of Entomology, Blinn College, Bryan ISD, College  
Station ISD, and the Brazos Valley Museum of Natural History

*July 1998 – Dec 1998*

Electronic Learning Incentives Program: Joint Project of the  
College of Agriculture and Life Sciences and College of  
Education, Texas A&M University; Course Internet Website  
Development

*Jan 1996 – Dec 1997*

Texas Poll of Elementary School Teachers  
Research Team for Survey Sampling and Questionnaire Design  
Preservice Elementary Action Team: Statewide Systemic Initiative

*Sept 1994 – Aug 1997*

Texas A&M University, College Station, Texas  
Research Assistant, Educational Curriculum and Instruction

- Preservice Elementary Science Project Action Team,  
Statewide Systemic Initiative for Mathematics and Science
- Teachers as Reflective Problem Solvers (TARPS)  
National Science Foundation Grant

<i>Sept 1989 – May 1991</i>	Texas A&M University Master of Science, Zoology Graduate Research
<i>June 1988 – Aug 1988</i>	Oklahoma State University, Stillwater, Oklahoma Botany Department, Undergraduate Research National Science Foundation Stipend
<i>Sept 1985 – May 1989</i>	Howard Payne University, Brownwood, Texas Biology Department, Undergraduate Research Mathematics Department, Academic Grader and Tutor

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## HONORS

2013	Quest for Quality: Excellence in Teacher Preparation and Research on Teaching Award, STEM Teacher Preparation Academy, CREATE Research Conference, Jennifer Whitfield, Dawn Parker, Carolyn Schroeder
2012	Best Paper Submitted AERA 2012, Learning Environments SIG: <i>Investigating the Relationship Between Professional Development and Student-Centered Learning Environments in Qatari Math and Science Elementary Classrooms</i> ; Stephanie L. Knight, Dawn Parker, Whitney Zimmerman, Atman Ikhlef
2011	Chancellor's Academy of Educator Development Award, TAMU
2002	Academy for Teacher Development Fellow, TAMU

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## FUNDED PROPOSALS

<i>Jan 2018 – Jan 2019</i>	College of Education and Human Development Catapult Grant Up, Up, and Away: Expanding and Enriching CEHD Global Education Experiences, Principal Investigator: Dr. Jay Woodward; Co-Investigators in TLAC: Dr. Mary Margaret Capraro, Dr. Robert Capraro, Dr. Edie Cassell, Dr. Dawn Parker, and Dr. Julie Singleton. Grant Award: \$30,000
<i>April 2016 – Dec 2017</i>	Qatar Foundation Mathematics Education Professional Development Initiative; Qatar Foundation and College of Education and Human Development; Principal Investigator: Dr. Doug Palmer, Co-Project Investigators: Dr Dawn Parker and Dr. Yeping Li. Grant Award: \$500,000
<i>Aug 2011 – Aug 2013</i>	STEM Teacher Preparation Academy Grant, Texas Higher Education Coordinating Board, Colleges of Science and Education

Texas A&M University, Principal Investigator: Dr. Tim Scott,  
Project Director: Jennifer Whitfield, Co-directors: Dr. Dawn  
Parker and Dr. Carolyn Schroeder, Grant Award: \$500,000

*Sept 2009 – March 2011*

Professional Development Activities for Teachers and  
Administrators: Mathematics College and Career Readiness  
Standards; Texas A&M Department of Teaching, Learning, and  
Culture and Region VII; Funded by Texas Education Agency;  
Principal Investigators: Dr. Dennie Smith and Jackie Stillisano  
Project Director: Dr. Dawn Parker; Grant Award: \$500,000

*January 2008 – Dec 2010*

Investigation and Impact of *Education for a New Era* in Qatar:  
Classroom and School Processes on Student Outcomes  
Research Grant: Funded by Qatar National Research Fund (QNRF)  
Principal Investigators: Dr. Ikhlef Atman and Dr. Stephanie Knight  
Researchers: Dr. Dawn Parker, Dr. Malt Joshi, Dr. Zohreh Eslami,  
Dr. Hissa M. Sadiq, Dr. Mubaraka Al-Akraf, Dr. Ahmed Al Saai

*April 2003 – Sept 2003*

Perceptions of Mathematics and Science Teacher Preparation  
Regents' Initiative for Excellence in Education Collaborative  
Research Grant; Grant Award: ~\$12,000  
Researchers: Dr. Dianne Goldsby, Dr. Dawn Parker, Dr. Don  
Allen; Dr. Larry Kelly, and Ms. Dawn Dewald

*May 2002 – Sept 2003*

Bugs Across the Curriculum: *Project Director*  
Grant Award: \$79,886  
Eisenhower Professional Development Grants Program  
Texas Higher Education Coordinating Board

*May 2001 – Sept 2001*

Development of Technology Mediated Algebra Modules  
Regents' Initiative for Excellence in Education Collaborative  
Research Grant; Grant Award: ~\$20,000  
Researchers: Dr. Tim Scott, Ms. Julie Hagen Carroll,  
Dr. Dawn Parker, and Dr. Michael Speed

*May 1999 – Sept 2000*

Insects in the Classroom: *Project Director*  
Grant Award: \$72,543  
Eisenhower Professional Development Grants Program  
Texas Higher Education Coordinating Board

*June 1997 – Aug 1998*

Program Coordinator and Proposal Writer  
Collaborative for Preservice Teacher Preparation, "The Partners"  
Planning (\$7,000) and Implementation Grant (\$30,000) awarded  
by the Texas Statewide Systemic Initiative for Implementation of  
the *Guidelines for the Preparation of Preservice Teachers*

## **PUBLICATIONS and CONTRIBUTED WORK**

- Walters, L. M., Green, M. R., Goldsby, D. & D. Parker (2018). Digital Storytelling as a Problem-Solving Strategy in Mathematics Teacher Education: How Making a Math-eo Engages and Excites 21<sup>st</sup> Century Students. *International Journal of Education and Science (IJTES)* 2(1), pp. 1-16.
- Palmer, D. J., Lynch, P. S., Parker, D., Viruru, R., Knight, S., Waxman, H., Alford, B., Brown, D. B., Rollins, K., Stillisano, J., Sadiq, H. M., Abu-Tineh, A.M.H., Nasser, R., Al-Binali, H., Al-kateeb, H. (2016). A classroom observational study of Qatar's Independent Schools: Instruction and school reform. *The Journal of Educational Research*, 109:4.
- Knight S. L., Parker, D., Zimmerman, & Ikhlef, A. (2013). Investigating the Relationship Between Perceived and Observed Student-Centered Learning Environments in Qatari Elementary Math and Science Classrooms. *Learning Environments Research: An International Journal*, Springer.
- Knight, S. L., Ikhlef, A., Parker, D., Joshi, M., Eslami, Z., Saddiq, H. M., Al-Ahraf, M. & A. Al-Saai (2011). Investigation and Impact of Standards-Based Reform on Math and Science Teaching and Learning in Qatari Independent Elementary Schools. In Christina Gitsaki (Ed), *Teaching and Learning in the Arab World*, Peter Lang International Academic Publishers.
- Capraro, R. M., Capraro, M. M., Parker, D., Kulm, G., & Raulerson, T. (2005). The mathematics content knowledge role in developing preservice teachers pedagogical content knowledge. *Journal for Research in Childhood Education*, 20, 108-124.
- Christensen, R., Parker, D. & Knezek, G. (2005). Advances in Preservice Educator Competence and Confidence in Technology Integration: Comparative Findings from Two PT3 Projects. In S. Rhine, & M. Bailey (Eds.), *Integrated Technologies, Innovative Learning: Insights from the PT3 Program* (pp. 187-198). Oregon: ISTE Publications.
- Parker, D. (1999). Collaborative Program Design. In C. Stuessy, & J. Thomas (Eds.), *Elementary Teachers Do Science* (pp. 19-33). Ohio: Eric/CSMEE.
- McNamara, J. F., Stuessy, C. L., Parker, D. McNamara, M., Garcia., G., & Quenk, K. (1998). *The Texas Poll of Elementary School Teachers: A Chart Essay on Findings*. Report prepared for the Texas Statewide Systemic Initiative. Austin: Charles A. Dana Center.
- Alexander, P. A., Murphy, P. K., Woods, B., Duhon, K., & Parker, D. (1997). College instruction and concomitant changes in student's knowledge, interest, and strategy use: A study of domain learning. *Contemporary Educational Psychology*, 22, 125-146.
- Parker, D. (1996). *Preservice Elementary Science Survey: A description of programs at colleges and universities in Texas*. Report prepared for the Texas Statewide Systemic

Initiative. Austin: Charles A. Dana Center. (ERIC Document Reproduction Service No. ED 406 156)

### **PROFESSIONAL PRESENTATIONS**

Amick, L. with panel of STRIDES RAC members (2019, June). Impacting Teacher Retention by Supporting Secondary Mathematics Teachers in the First Year of Teaching. STRIDES Research Action Committee (RAC) presentation, MTE-Partnership 2019 Annual Conference, St. Louis, MO.

Walters, L., Green, M., Whitfield, J., Parker, D., and F. Harmon (2018, April). The Good, The Bad, and the Ugly: Reflections on an Urban School Experience. Presentation at the Annual Meeting of the American Educational Research Association, New York.

Goldsby, D., Parker, D., L. Walters, and M. Green (2018, February). The Impact on Creating Math-eos, Digital Stories, on Pre-service Teacher Technology Perceptions. Presentation at the Annual Meeting of the Southwest Educational Research Association, New Orleans, Louisiana.

Hutchins, N., Fowler, R., Gilreath, T., Parker, D. & J. Woodward (2017, May). Climate, Diversity, Equity & Inclusion: Creating a Culture of Excellence. Presentation at The National Conference on Race and Ethnicity in American Higher Education, Ft. Worth, Texas.

Walters, L. M., Green, M. R., Goldsby, D., Walters, T., Wang, L., & D. Parker (2017, April). Using Math-eos, Digital Stories, for Problem Solving in Mathematics Education. Paper presented at the annual conference for the National Conference of Teachers of Mathematics, San Antonio, Texas.

Alexander, J.; Parker, D. & J. Whitfield (2016). Teacher Preparation—Past, Present, and Future, Region 6 Summer Administrator Retreat, League City, Texas.

Parker, D., & Miazga, J. (2015, October). Themed Roundtable: Future—The Time is Now. Facilitators for session at the annual conference of the Consortium of State Organizations for Texas Teacher Education (CSOTTE), Frisco, TX.

Walters, L. M., Green, M. R., Goldsby, D., Walters, T., Wang, L., & D. Parker (2015, April). Using Digital Stories for Problem Solving in Mathematics Education. Paper presented at the annual conference for the American Educational Research Association, Chicago, IL.

Watson, N., Cunningham, G. & D. Parker (2014, Sept). Diversity: What We Do Well, What We Have Learned, and Where We Need to Grow. Presentation at the Texas A&M University Chancellor's Summit, Austin, Texas.

Parker, D. & J. Whitfield (2014, June). Successful Clinical Experiences Through University and School Partnerships. MTE-Partnership Conference, Milwaukee, Wisconsin.



Perkins, A., Whitfield, J., Parker, D., Schroeder, C. & L. Wilding (2013, Nov). TRACK Analysis of a STEM Teacher Preparation Academy. CREATE Research Conference, Austin, Texas.

Parker, D. (2013, July). Building Mathematical Literacy with Effective Mathematics Lessons. Presentation at annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas.

Parker, D. & C. Schroeder (2013, May). Developing a STEM Teacher Preparation Academy. NSTA STEM Forum and Expo. St. Louis, Missouri.

Parker, D. (2012, July). Teaching SMART with Technology in the Mathematics Classroom. Presentation at annual Conference for the Advancement of Mathematics Teaching, Houston, Texas.

Parker, D. & J. Whitfield (2012, June). Using iPads in the Classroom. Presentation at the TAMU Collaborative Summer Institute, Education Research Center, Texas A&M University.

Whitfield, J. & D. Parker (2012, Feb). Using Technology in the STEM Teacher Preparation Academy. Presentation at the annual Texas A&M University Technology Conference, College Station, Texas.

Knight, S. L., Parker, D. & Atman Ikhlef (2011, April). Using Classroom Observation to Investigate Productive Student Participation in Qatari Schools. Paper presented at the annual conference for the America Educational Research Association. New Orleans, LA.

Knight, S. L., & Parker, D. (2011, April). Relationship Between Teachers' Perceptions of Instruction for Student-centered Learning and Observed Behaviors. Poster presented at the annual conference for the America Educational Research Association. New Orleans, LA.

Knight, S. & Parker, D. (2010, Nov). Relationship Between Teachers' Perceptions of Instruction for Student-Centered Learning and Observed Behaviors. Paper presented at the annual conference for the School Science and Mathematics Association. Ft. Meyers, Florida.

Parker, D. (2010, July). The Winning Recipe: Blending Math Process Skills and Math Concepts in the Math Lesson. Presentation at annual Conference for the Advancement of Mathematics Teaching, San Antonio, Texas.

Parker, D. (2009, July). Using Manipulatives to Model Fraction Concepts. Presentation at annual Conference for the Advancement of Mathematics Teaching, Houston, Texas.

Parker, D. (2008, July). Number Sense and Mental Mathematics Strategies. Presentation at the annual Conference for the Advancement of Mathematics Teaching, Dallas, Texas.

Parker, D. (2008, February). Mentoring teachers and leadership in Independent Schools. Presentation at Al Shaqab Independent School, Doha, Qatar.

Parker, D. (2007, September). Implementing *Mathematics Course 2 Program*, Prentice Hall: Understanding new approaches and teaching strategies. Dubai, UAE.

Parker, D. (2007, April). Use of rubrics to assess learning in mathematics and science. Presentation at Al Shaqab Independent School, Doha, Qatar.

Parker, D. (2007, March). Mentoring beginning teachers. Presentation at the University of Qatar for university faculty, school curriculum leaders, and inservice teachers.

Parker, D. (2007, March). Active learning in mathematics: Using manipulatives to foster learning. Presentation at Qatar Academy; Doha, Qatar.

Parker, D., Capraro, M. M., Goldsby, D., Donahue, M. & Stillisano, J. (2007, Nov.). Communication and representation: Use of mathematics modules for teacher preparation. Regional conference of the National Council of Teachers of Mathematics. Houston, Texas.

Parker, D., Capraro, M. M., Capraro, R., Goldsby, D., Donahue, M. & Stillisano, J. (2007, October). Mathematics TEKS Connections: Use of mathematics modules for teacher preparation: Charles A. Dana Center Higher Education Conference for Mathematics and Science. Austin, Texas.

Parker, D. & Donahue, M. (2007, May). Mathematics TEKS Connections: Implementation of Mathematics Modules for Middle School. Mathematics TEKS Seminar at TAMU, College Station, Texas.

Parker, D. (2006, July). Differentiation in the mathematics classroom. Presentation at the annual Conference for the Advancement of Mathematics Teaching, Houston, Texas.

Parker, D. (2006, February). Use of manipulatives to foster active learning in the Primary level mathematics classroom. Invited presentation at the University of Qatar for university faculty and school curriculum leaders.

Parker, D. (2005, March). Using Graphic Organizers as an Assessment Tool in Science. Paper presented at the annual meeting of the National Science Teacher's Association, Dallas, Texas.

Parker, D. (2005, July). Algebra Made Easy! Making Connections with Number Patterns. Paper presented at the annual Conference for the Advancement of Mathematics Teaching. Dallas, Texas.

Parker, D. (2004, November). What have we learned? Assessment Tasks and Rubrics. Paper presented at the annual meeting of the Rio Grande Valley Council for Teachers of Mathematics. McAllen, Texas.

Parker, D. & Hutchinson, B. (2004, October). Internet-Based Inquiry Projects: Using WebQuests in the Science Classroom. Paper presented at the annual Conference for the Advancement of Science Teaching. Corpus Christi, Texas.

Parker, D. (2004, July). What have we learned? Understanding Assessment Tasks and Rubrics. Paper presented at the annual meeting of the Texas Council of Teachers of Mathematics, San Antonio, Texas.

Christensen, R., Parker, D. & Knezek, G. (2004, April). Advances in Preservice Educator Competence and Confidence in Technology Integration. Paper presented at the annual meeting of the American Educational Research Association, San Diego, California.

Goldsby, D., Parker, D., Kelly, K., Allen, D., & Dewald, D. (2004, Feb). Educator Perceptions of Math and Science Teacher Preparation. Paper presented at the annual meeting of the Southwest Educational Research Association, Dallas, Texas.

Parker, D. (2003, Nov). Just Solve It!. Paper presented at the annual meeting of the Rio Grande Council of Teachers of Mathematics, McAllen, Texas.

Goldsby, D., Parker, D., Kelly, K., Allen, & D, Dewald, D. (2003, Sept). Educator Perceptions of Math/Science Teacher Preparation Programs. Paper presented at the annual School-University Partnership Conference. San Antonio, TX.

Parker, D. (2003, April). Problem solving in the elementary classroom: Problems, strategies, and lesson design. Paper presented at the Annual Conference of the National Council of Teachers of Mathematics. San Antonio, TX.

Parker, D. (2003, March). Bugs in the curriculum: Teacher use of Entomology related themes as teaching tools across the curriculum. Poster session presented at the Annual Conference of the National Association for Research in Science Teaching. Philadelphia, PA.

Parker, D., Jackman, J., & Teel, P. (2002, Sept). Bugs as teaching tools across the curriculum. Paper presented at the annual School-University Partnership Conference. San Antonio, TX.

Parker, D. (2002, July). Use of Portfolios in the Classroom for Mathematics Assessment. Paper presented at the annual meeting of the Texas Council of Teachers of Mathematics, Dallas, Texas.

Capraro, R., Capraro, M., Parker, D., Kulm, G., & Raulerson, T. (2002, March). Content Knowledge “+” Pedagogy “= or ≠” An Effective Mathematics Teacher? Paper presented at the annual meeting of the American Association of Colleges for Teacher Education, New York.

Christensen, R., Parker, D. & Knezek, G. (2002, Feb). Advances in Pre-Service Educator Confidence and Competence in Technology Integration. Paper presented at the annual Educational Research Exchange Texas A&M University, College Station, Texas.

(Paper was also presented at the University of North Texas Research Exchange, Oct 2001)

Parker, D., Bassett, J. & Giles, C. (2001, Oct). Nurturing Best Practice Teaching in Mathematics Through Partnerships and Action Research. Paper presented at the National Network for Educational Renewal conference, Denver, Colorado.

Parker, D. (2001, July). Measurement Concepts in the Early Childhood Classroom. Paper presented at the annual meeting of the Texas Council of Teachers of Mathematics, San Antonio, Texas.

Parker, D. (2001, April). Strengthening Teachers' Content Understanding and Confidence Levels: Teaching About Insects in the Elementary Classroom. Paper presented at the annual meeting of the American Educational Research Association, Seattle, Washington.

Parker, D. & Giles, C. (2001, March). Inquiry into Practice: Action Research as a Component of an Elementary Mathematics Methods Course. Paper presented at the annual meeting of the American Association of Colleges for Teacher Education, Dallas, Texas.

Parker, D. & Shearon, P. (2001, Feb.). Quality Field Experience in Professional Development Schools: Setting the Stage for Best Practice Learning. Paper presented at the annual meeting of the Association of Teacher Educators, New Orleans, Louisiana.

Parker, D. & Godwin, D. (2000, Oct.). Professional Development Schools: Questions and Issues with Implementation. Paper presented at the annual meeting of the Collaborative Action Research Network, Rugby, Warwickshire, United Kingdom.

Parker, D., Bohnsack, J., Giles, C., Haas, A., Jacobs, K., Pittsford, K., Quinn, C., Ricks, J. & Rogan, L. (2000, Oct.). Inquiring Minds Want to Know. Paper presented at the annual meeting of the Conference Science Teachers Association of Texas, College Station, Texas.

Parker, D., Bean, J., Freeman, M., Harmon, S. & Mercy, A. (2000, Oct.). Meeting The National Standards and TEKS with Insects in the Classroom. Paper presented at the annual meeting of the Science Teachers Association of Texas, College Station, Texas.

Parker, D. (2000, July). Algebra with Manipulatives. Paper presented at the annual meeting of the Texas Council of Teachers of Mathematics, Houston, Texas.

Parker, D. (2000, April). Entomology in the elementary school classroom: Strengthening content knowledge and confidence levels teaching about insects. Paper presented at the annual meeting of the National Association for Research in Science Teaching, New Orleans, Louisiana.

Parker, D., Shumate A., Supak, J. & PDS Interns (2000, Feb.). A Professional Development School Model. Paper presented at the annual meeting of the Texas Middle School Association, Austin, Texas.

Parker, D. (1999, Dec.). Developing Meaningful Mathematics Portfolios. Paper presented at the annual meeting of the Rio Grande Council of Teachers of Mathematics, McAllen, Texas.

Parker, D. (1999, Dec.). Measurement Mania: K-2. Paper presented at the annual meeting of the Rio Grande Council of Teachers of Mathematics, McAllen, Texas.

Professional Development School Collaborative (1999, Oct.). Sharing the Texas A&M University Professional Development School Legacy. Paper presented at the National Education Association Teacher Education Initiative Symposium, Morristown, New Jersey.

Parker, D. & Stuessy, C. (1999, March). New Understandings About Policy in Light of Existing Collaborative Programs that Prepare Elementary Teachers to Teach Science. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Boston, MA.

Parker, D. (1998, Nov.). Number Theory Activities for the Classroom. Paper presented at the annual Meeting of the Rio Grande Council of Teachers of Mathematics, McAllen, Texas.

Parker, D. (1998, Nov.). Exploring Mathematics through Tessellations. Paper presented at the annual Meeting of the Rio Grande Council of Teachers of Mathematics, McAllen, Texas.

Parker, D. (1998, April). Collaborative Program Models for Science Teacher Preparation. Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Diego, California.

Parker, D. & Jensen, D. (1997, March). The Texas poll of elementary school teachers: Survey sampling and questionnaire design. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Oak Brook, Illinois. (ERIC Document Reproduction Service No. ED 406 155)

Parker, D. (1997, March). A description of preservice elementary science programs at colleges and universities in Texas. Paper presented at the annual meeting of the National Association for Research in Science Teaching, Oak Brook, Illinois.

Stuessy, C. L., Parker, D. & Foster, A. (1996, Dec.). Texas Statewide Systemic Initiative: The Preservice Elementary Science Project. Paper presented at the meeting of the National Science Teachers Association Global Summit on Science and Science Education, San Francisco, California.

Jensen, D. & Parker, D. (1996, Oct.). Brain power for teaching science. Paper presented at the annual meeting of the Conference for the Advancement of Science Teaching, Austin, Texas.

Parker, D. (1996, July). Operations with polynomial expressions using math manipulatives. Paper presented at the Conference on the Teaching of Mathematics for the 21st Century, Houston, Texas.

Stuessy, C. L., & Parker, D. (1996, March). Changes in teacher cognition with problem-solving instruction: Instructional planning of science activities. Paper presented at the meeting of the National Association for Research in Science Teaching, St. Louis, Missouri.

Knight, S. & Parker, D. (1996, Jan.). Patterns of change in teacher cognition. In C. L. Stuessy (Chair), Multiple perspectives of change within the context of the Teachers as Research Partners (TARPS) project. Symposium conducted at the meeting of the Southwest Educational Research Association, New Orleans, Louisiana.

Duhon, K. & Parker, D. (1995, Jan.). Domain learning: Situational and individual interest. In J. Kulikowich (Chair), Examining multidimensional constructs that influence teaching and learning. Symposium conducted at the meeting of the Southwest Educational Research Association, Dallas, Texas.

## **SERVICE ACTIVITIES**

<i>Sept 2019 – Present</i>	Member CEHD APT Promotion Committee
<i>Sept 2012 – Present</i>	Reviewer Journal of School Science and Mathematics Association
<i>Feb 2011 – Present</i>	Reviewer Journal of Teacher Education
<i>Sept 2008 – Present</i>	Member of TLAC Undergraduate Committee
<i>Jan 2008 – Present</i>	Mediator, Texas A&M University
<i>Sept 2005 – Present</i>	Member TLAC Clinical Professor Promotion Committee
<i>Sept 1999 – Present</i>	Senior Methods Program Leadership; work with preservice teachers, mentors and principals through TAMU field-based teacher preparation program, mathematics and science
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<i>Aug 2018 – Jan 2019</i>	Reviewer for American Educational Research Association Annual Conference Proposals
<i>Sept 2015 – May 2017</i>	Member Search Committee Science Education
<i>Sept 2013 – May 2017</i>	Program Coordinator Secondary Education TLAC
<i>Sept 2013 – May 2017</i>	College and Department Climate and Diversity Committee
<i>Sept 2013 – Dec 2015</i>	Member Faculty Advisory Committee to the Vice President of Student Affairs
<i>Sept 2013 – Dec 2014</i>	Program Coordinator Middle Education TLAC
<i>Sept 2013 – Dec 2014</i>	Member Clinical Faculty Curriculum Alignment Committee
<i>Sept 2012 – Dec 2013</i>	Member STEM Advisory Council Center for Math and Science
<i>Sept 2009 – Dec 2013</i>	Member Executive Online Ed.D Steering Committee
<i>Sept 2011 – Aug 2013</i>	Member University Undergraduate Honors Program Committee

Sept 2012 – Dec 2012	Member Search Committee for ESL/Reading Clinical Assistant Professor, Teaching Learning and Culture
Sept 2012 – Dec 2012	Member Search Committee for Administrative Assistant-Technology, College of Education
<i>May 2011 – Dec 2012</i>	Member Clinical Annual Evaluation Revision Committee
<i>Sept 2011 – May 2012</i>	Member TLAC Leadership Team
<i>May 2006 – May 2011</i>	Associate Editor School Science and Mathematics Journal
<i>June 2009 – May 2010</i>	Member of TLAC Program Review Committee
Sept 2009 – May 2010	Member Moodle Advisory Board
Sept 2009 – Dec 2009	Member Search Committee for Administrative Assistant-Technology
<i>Sept 2007 – Dec 2008</i>	Advisory Council for Van de Walle <i>Elementary and Middle School Mathematics 7<sup>th</sup> edition</i> , Curriculum and Instruction Division, Allyn & Bacon Education
<i>Fall 2007, Fall 2008</i>	Chair, Clinical Professor Review Committee
<i>Sept 2003 – May 2007</i>	Member of Texas A&M University Academic Appeals Committee
<i>Jan 1999 – August 2006</i>	Texas A&M Mentor—Attend New Student Conferences, Parent Information Meetings, A&M Mentor Meetings, Student Conferences
<i>Sept 2004 – May 2005</i>	Departmental Search Committee Mathematics Educator
<i>Sept 2001 – May 2002</i>	Inquiry Program University/School Leader
<i>1999, 2000, 2001</i>	Proposal Reviewer for Annual Conference National Association for Research in Science Teaching