

PROFESSIONAL VITA

Dittika Gupta

Associate Professor
3501 Rugby Lane
Wichita Falls, TX – 76310
dittikagupta@gmail.com
Phone: 254-716-9348 (cell)

Education and Professional Certifications

A. Education

Doctor of Philosophy	2014
Baylor University, Waco, TX	
Major Field: Curriculum and Learning, Mathematics Education	
Dissertation: <i>Early Elementary Students' Fractional Understanding: Examination of Cases from a Multi-Year Longitudinal Study</i>	
Master of Science in Education	2009
Baylor University, Waco, TX	
Major Field: Mathematics Education	
Bachelor of Education	2006
Indraprastha University, New Delhi, India	
Major Field: Teaching in Physics and Mathematics	
Master of Science	2004
Indian Institute of Technology, Roorkee, India	
Major Field: Physics	
Bachelor of Science	2002
Delhi University, New Delhi, India	
Major Field: Physics	
Minor Field: Mathematics	

B. Professional Certifications

Texas Teaching Certificate (8-12 Math)

National Council of Teachers of Mathematics CAEP SPA Reviewer (Training, June 2015)

Professional Experience

A. University Experience

Associate Professor	Midwestern State University	2019- Present
Assistant Professor	Midwestern State University	2014- 2019
Doctoral Graduate Teaching Assistant Mathematics Education	Baylor University	2012- 2013

Doctoral Graduate Research Assistant Baylor University 2010-2014

B. Relevant Professional Experience

Head Coach Academic Waco ISD – University High School 2010-2012
Decathlon Team

Public School Math Waco ISD – University High School 2009-2013
Teacher

Teaching Responsibilities

A. Undergraduate Courses- Curriculum and Learning at MSU

EDUC 6753 – Applied Research (Fall 2019, Spring 2021, Spring 2022, Spring 2023, Spring 2024, Fall 2024, Spring 2025, Fall 2025)

EDUC 5763 - Introduction to Research (Summer 2019, Spring 2021, Spring 2022, Fall 2023, Spring 2023, Spring 2024)

EDUC 4071 – Teaching Mathematics-Middle School and High School (Spring 2016, Fall 2021, Fall 2022)

EDUC 4043 – Teaching Mathematics in Elementary Schgool EC-6 (Fall 2014- Present, Mini-May 2016, Mini-May 2017, Mini-May 2018, Mini-May 2020, Fall 2022, Fall 2023, Spring 2024, Spring 2025, Fall 2025)
Hybrid, Face-to-Face, and Online modalities

EDUC 4403 – Teaching Mathematics in EC-3 (Fall 2022, Fall 2023, Spring 2024, Spring 2025, Fall 2025)

EDUC 4053 – Teaching Science in Elementary School (Mini May 2016, Mini May 2017, Mini May 2018, Fall 2022, Fall 2024, Spring 2025)

EDUC 4083/86 – Teaching Science in Middle and High School (Fall 2022, Fall 2023, Fall 2024)

EDUC 3162 – Classroom Management (Fall 2014, Spring 2015)

EDUC 2013 – School and Society (Fall 2014-Present, Summer 2023, Summer 2016, Summer 2023, Winter Mini 2016, Spring 2023, Fall 2025) -Hybrid, Face-to-Face and Online modalities

COUN 2143 – Human Diversity (Summer 2020, Summer 2021, Summer 2023, Summer 2024, Summer 2025)

COUN 2143 - Human Experiences (Fall 2025)

Clinical Teaching - University Supervisor (Fall 2015, Spring 2021, Fall 2022, Spring 2023, Spring 2024, Spring 2025)

B. Undergraduate Courses at Baylor University

TED 4348 – Secondary Mathematics Curriculum (Fall 2013)

Guest lectured

- Critical Issues in Math Education, Spring 2013
- Secondary Mathematics Curriculum, Fall 2012

Research and Scholarly Activity

A. Publications

Book Chapters

Kalinec-Craig, C. A., Morton, K., Hulme, K., Mahdi, F., Eddy, C. M., **Gupta, D.**, Montgomery, M. S. (2023). Promoting Torres' Rights of the Learner with Elementary Preservice Teachers through Lesson Study. In S. Dotger, G. Matney, J. Heckathorn, K. Chandler-Olcott, & M. Fox (Eds.) *Lesson Study with Mathematics and Science Preservice Teachers: Finding the Form* (p.124-134)

Gupta, D., Montgomery, M. S., Eddy, C. M., Kalinec-Craig, C. A., Morton, K., Hulme, K., & Mahdi, F. (2021). Developing and Supporting Mathematics Teacher Educators Through Virtual Collaborations. In C. M. Crawford (Ed.) *Shifting to Online Learning Through Faculty Collaborative Support* (pp. 279-293). IGI Global.

Medellin, K., **Gupta, D.**, & Acuña, K. (2021). Teaching Strategies During a Pandemic: Learnings and Reflections. In M. L. Niess & H. Gillow-Wiles (Eds.) *Handbook of Research on Transforming Teachers' Online Pedagogical Reasoning for Engaging K-12 Students in Virtual Learning* (pp. 194-211). IGI Global.

Gupta, D., Soto, M., Dick, L., Broderick, S., & Appelgate, M. (2018). Noticing and deciding the next steps for teaching: A cross-university study with elementary pre-service teachers. In G. J. Stylianides & K. Hino (Eds.), *Research advances in the mathematical education of pre-service elementary teachers – An international perspective* (pp. 261-275). Springer, Cham: Switzerland.

Gupta, D., & Cobb, S. (2018) Movement in the Math Classroom. In S.C. Miller & S.F. Lindt (Eds.), *Moving INTO the classroom: A handbook for movement integration in the elementary classroom*. (pp. 201-246). Singapore, Singapore: Springer Singapore

Gupta, D., Cobb, S., Butler, S. & Brady, M. (2018) Lesson Plans for Movement in the Mathematics Classroom. In S.C. Miller & S.F. Lindt (Eds.), *Moving INTO the classroom: A handbook for movement integration in the elementary classroom*. (pp. 247-266). Singapore, Singapore: Springer Singapore

Published Refereed Publications

Gupta, D., Matney, G., Plank, H., Butler, A., Weaver, J., Patterson, N.C., Loki, O., Bajwa, A., & Mwale, L.E. (In review). Exploring Mathematical Modeling in Social Contexts through a Global Migration Lens. *In School Science and Mathematics Journal*.

Gupta, D. & Moldovan, A. (2025). Framework for Analyzing Cognitive Demand and Cultural Engagement in Culturally Relevant Mathematics Tasks. *Journal of Mathematics and Culture*, 19(1), 63-85

- Appelgate, M., Dick, L., **Gupta, D.**, Soto, M., & Broderick, S. (2025). Using a Community of Practice Perspective to Analyze MTE Learning During Lesson Study. *International Journal for Lesson and Learning Studies*. <https://doi.org/10.1108/IJLLS-05-2024-0090>
Acceptance rate: 14%, Impact factor: 1.00
- Dick, L. K., Soto, M. M., Appelgate, M. H., **Gupta, D.** (2024). Decomposing the complex practice of whole class instructional decision making. *Journal of Educational Research in Mathematics*, 34(3), 655-685.
Acceptance rate: 17%
- Gupta, D.**, Hinchman, T. Manuel, A., Lopez, M. & Hood, J. (2024). Play-Based Learning Through Think & Learn Code-a-Pillar Twist™. *Texas Mathematics Teacher*, LXX(2), 16-18
- Moldavan, A. M. & **Gupta, D.** (January/February 2024). Science that Culturally Connects with Picture Books. *Science and Children*, 61 (1), 70-76
- Gupta, D., & **Lindt, S. F.** (February 2022). Influence of informal experiences: Change in mathematics teaching efficacy of pre-service teachers. *Journal of Mathematics Teacher Education in Texas*, 12(1), 10-11.
- Dick, L. K., Appelgate, M. H., **Gupta, D.**, & Soto, M. M. (2022). Continuous improvement lesson study: A model of MTE professional development. *Mathematics Teacher Educator*, 10(2), 111-128.
Acceptance rate: 14% (For the three-year period between 1/2018-10/2020)
- Rutherford, E. & **Gupta, D.** (2021). Pre-Service Teachers' Noticing of Struggling Students' Mathematical Thinking. *Special Education Research, Policy & Practice (SERPP)*, 5, 95-101.
- Lindt, S. & **Gupta, D.** (2020). Impact of Informal Experiences: Changes in Mathematics Motivation for Middle Schoolers. *World Journal of Education*. 10(3), 88-94.
10.5430/wje.v10n3p88.
- Appelgate, M. H., Dick, L., Soto, M., & **Gupta, D.** (2020). Growing a greater understanding of multiplication through lesson study: Mathematics teacher educators' professional development. In A. Appova, R. M. Welder, and Z. Feldman, (Eds.), *Supporting Mathematics Teacher Educators' Knowledge and Practices for Teaching Content to Prospective (Grades K-8) Teachers. Special Issue: The Mathematics Enthusiast*, ISSN 1551-3440, 17(2 & 3), 583–613. ScholarWorks: University of Montana. Retrieve (open access) from: <https://scholarworks.umt.edu/tme/vol17/iss2/9/>
Acceptance rate: 17%
- Feldman, Z., Wickstrom, M., Hajra, S. G., & **Gupta, D.** (2020). The Role of Uncertainty in Mathematical Tasks for Prospective Elementary Teachers. *Mathematics Enthusiast*, 17 (2/3), 641-672

Soto, M., **Gupta, D.**, Dick, L., & Appelgate, M. (2019). Bridging Distances: Professional Development for Higher Education Faculty Through Technology-Facilitated Lesson Study. *Journal of University Teaching & Learning Practice*, 16(3), 1-19. 1.
Retrieved (open access) from <https://ro.uow.edu.au/jutlp/vol16/iss3/7/>

- Acceptance rate: 33%

Gupta, D. & Dick, L. (2019). Launching for Mathematical Success. *Teaching Children Mathematics*, 25(4), 249-252.

- Acceptance rate: 25%

Wilkerson, T., Eddy, C., Quebec-Fuentes, S., Sorto, A., **Gupta, D.**, Ward, L., Jasper, W., Parker, Y., Mallam, W., Cooper, S., & Kerschen, K. (2018). Development and Validation of the Algebra Teachers' Self-Efficacy Instrument: Assessment of Algebra Teachers' Knowledge and Personal Teaching Efficacy. *School Science Mathematics Journal*. 118(6), 206-217. DOI: 10.1111/ssm.12291

Lindt, S. F. & **Gupta, D.** (2017) Changing Motivation and Self-Efficacy for Middle School Students and College Students during a Week-Long Math Camp. *The Texas Forum of Teacher Educators*, 7, 28-37

Gupta, D., Lindt, S. F., & Moss, D. (2017). Chewing Your Way to Understanding. *Ohio Journal of School Mathematics*, 76(2), 30-36.

Gupta, D. & Wilkerson, T. L. (2017). Hooking Students to Functions: Giving Fun Context to Mathematical Vocabulary. *Texas Mathematics Teacher*, 63(1), 20-24.

Gupta, D. & Wilkerson, T. L. (2015). Teaching and Learning of Fractions in Elementary Schools: Let the Dialogue Begin!!! *Curriculum and Teaching Dialogue*, 17(1), 27-44.

- Acceptance rate: less than 40%

Wilkerson, T., Cooper, S., **Gupta, D.**, Montgomery, M., Mechell, S., Arterbury, K. Moore, S., Baker, B. R., & Sharp, P. T. (2015). An Investigation of Fraction Models in Early Elementary Grades: A Mixed Methods Approach. *Journal of Research in Childhood Education*, 29(1), 1-25, DOI: 10.1080/02568543.2014.945020

Invited Refereed Publication

Gupta, D. & Moldavan, A. M. (2022). Integrating Literacy in Secondary Mathematics Classrooms With Multicultural Books. In E. Reeves (Ed.), *Content-area literacy integration grounded in Texas standards* (Chapter 13). Kendall Hunt Publications

Manuel, A. K., **Gupta, D.**, & Hinchman, T. (2018). The Potential for Dispositions Assessments to Evaluate PDS Relationships. *School-University Partnerships*, 11(3), 1-7.

Refereed Conference Proceedings

Soto, M., Appelgate, M., Dick, L., & **Gupta, D.** (In-Press). Teaching A Geometry Lesson To Preservice Teachers Integrating the Context of Refugee Camps. *Proceedings of 45th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education*

Gupta, D. & Moldavan, A. M (Nov, 2024). Enhancing culturally relevant math tasks through cognitive demand and cultural connections. In Cory, B. & Ray, A. (Eds.). *Proceedings of the 123rd annual convention of the School Science and Mathematics Association* (SSMA, Vol. 11). Knoxville, TN.

Soto, M. M., **Gupta, D.**, Lewis, C. C., Hakansson, S. W., Appelgate, M. H., & Dick, L. K. (Nov, 2022). Adaptations to Lesson Study to support equitable teaching practices working group. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J., Strayer, J., & Drown, S (Eds). *Proceedings of 44th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education* (PME-NA)(pp. 2202-2204), Middle Tennessee State University.

Gupta, D., Dick, L. K., Soto, M. M. & Appelgate, M. H., & Dick, L. K. (Nov, 2022). Continuous Improvement lesson Study Working group Report. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J., Strayer, J., & Drown, S (Eds). *Proceedings of 44th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education* (PME-NA) (pp. 2212-2214), Middle Tennessee State University.

Gupta, D., Soto, M., Appelgate, M., & Dick, L., (2021). Continuous Improvement Lesson Study Working Group. In Olanoff, D., Johnson, K., & Spitzer, S.M. (Eds). *Proceedings of the 43rd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1944-1946), Philadelphia, PA

Moldavan, A. & **Gupta, D.** (2021). Elementary Preservice Teachers Integrating Multicultural Literature to Design Culturally Relevant Mathematical Tasks. In Olanoff, D., Johnson, K., & Spitzer, S.M. (Eds). *Proceedings of the 43rd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1609-1610), Philadelphia, PA.

Kalinec-Craig, C. A., Eddy, C. M., Montgomery, M. S., Morton, K., Montgomery, M. S., & **Gupta, D.** (October, 2021). Modeling Equitable Practices: Math Teacher Educators' Reflection and Practice. In Olanoff, D., Johnson, K., & Spitzer, S.M. (Eds). *Proceedings of the 43rd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 766-767), Philadelphia, PA

Dick, L., Soto, M., Appelgate, M., & **Gupta, D.** (2020). Continuous improvement lesson study with mathematics teacher educators. In: Sacristán, A.I., Cortés-Zavala, J.C. & Ruiz-Arias, P.M. (Eds.). *Proceedings of the 42nd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 761-762), Mazatlán, Mexico

Hinchman, T. & **Gupta, D.** (2020). STEAMED UP: A Mixed Methods Creativity Evaluation. In Denise Schmidt-Crawford (Ed.). *Society for Information Technology & Teacher Education International Conference* (pp. 1121-1127). Association for the Advancement of Computing in Education (AACE).

- Gupta, D.**, Hinchman, T., Hood, J., Manuel, A. K., & Lopez, M. D. (2019). *Learning Through Play*. In Otten, S., Candela, A. G., de Araujo, Z., Haines, C., & Munter, C. (Eds.). *Proceedings of the forty-first annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 125-126). St Louis, MO: University of Missouri.
- Dick, L. K., Soto, M. M., Appelgate, M. H., **Gupta, D.** (2018). Elementary preservice teachers' whole-class instructional decision-making. *Proceedings of the 40th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Greenville, SC.
- Mohanan, R., Stringfellow, C., & **Gupta, D.** (2017). An Emotionally Intelligent Tutoring System in *Proceedings of 2017 SAI Computing Conference*, July 2017, London, UK, pp. 1099-1107
- Curry, D. L., Reeves, E., McIntyre, C. J., & **Gupta, D.** (March, 2017). Taking Sheltered Instruction Digital: A Review of Classroom Technologies that Support ELL Students. In *Society for Information Technology & Teacher Education International Conference* (pp. 1498-1500). Association for the Advancement of Computing in Education (AACE).
- Appelgate, M., **Gupta, D.**, Soto, M., Dick, L., & Broderick, S. (November, 2016). *Elementary Mathematics Teacher Educators' Learning through Lesson Study: A Cross-Institutional Study* (pp. 845-848). In M. B. Wood, E. E. Turner, M. Civil, & J. A. Eli. (Eds.). *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Broderick, S., Dick, L., **Gupta, D.**, Appelgate, M., & Soto, M. (November, 2016). A cross-institutional study on pre-service teachers deciding "next steps" through noticing children's mathematical thinking (pp. 928). In M. B. Wood, E. E. Turner, M. Civil, & J. A. Eli. (Eds.). *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Wilkerson, T. L., **Gupta, D.**, & Kerschen, K. (November, 2016). Building Conceptual Understanding of Fractions through a Six-Week Intervention in Early Elementary (pp. 309). In M. B. Wood, E. E. Turner, M. Civil, & J. A. Eli. (Eds.). *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.
- Hutson, T. & **Gupta, D.** (2015). Teacher candidates and STEM-based efficacy: A Pilot Study. In M. J. Mohr-Schroeder, & J. N. Thomas (Eds.), *Proceedings of the 114th annual convention of the School Science and Mathematics Association* (Vol. 2, pp. 60-67).

Refereed Conference Proceeding with undergraduate students

- Gupta, D., **Bussue, N.**, & **Whitwood, M.** (November, 2016). Integrating Children's Literature in Math: Fostering Pre-service Teachers' Understanding and Connections (pp. 939). In M. B. Wood, E. E. Turner, M. Civil, & J. A. Eli. (Eds.). *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*.

Other Published Articles

Gupta, D., Appelgate, M., Broderick, S., Dick, L., & Soto, M (2018). Reaching New Possibilities on Lesson Study Collaboration. *Curriculum and Teaching Dialogue, Volume 20*(1), 129-131.

Soto, M., Broderick, S., Dick, L., **Gupta, D.**, & Appelgate, M. (2018). Fitting it all in: Time challenges in lesson pacing. *Curriculum and Teaching Dialogue, Volume 20*(2), 149-151.

B. Presentations

Invited Presentations

International

Gupta, D. (July, 2023). *Creating an Inclusive Learning Environment*. SRM Institute of Science and Technology, India. Special Guest Speaker for their 10 days National Online Faculty Development Program

National

Gupta, D., Soto, M, Appelgate, M., & Dick, L. (April, 2024). *Collaborating to Design and Refine an Integrated Mathematics & Social Justice Lesson*. As a part of the Distinguished Visiting Professor Program. Bucknell University, Lewisburg, Pennsylvania.

Gupta, D. (April, 2019). *Taking a “Byte” of Technology*. Part of the Dinner and Learning with Math Educators for Center of Research in Mathematics and Science Education, San Diego Math project, CA.

Soto, M, Appelgate, M., & **Gupta, D.** (April 2018). *Using lesson study to grow our practice and our students’ learning*. Bucknell University, Lewisburg, Pennsylvania.

Gupta, D. (October, 2015). *Early Elementary Students’ Fractional Understanding: Examination of Cases from a Multi-Year Longitudinal Study*. Presented at the School Science and Mathematics Association (SSMA). Oklahoma City, OK.

State and Regional

Zamora-Robles, S., Medellin, K., & **Gupta, D.** (Nov, 2024). *Work Smarter, Not Harder: Utilizing AI to Enhance Early Childhood Classrooms*. Presented at the Texas Association of Education for Young Children (TXAEYC), Flower Mound, TX

Fox, T., Helmcamp, W., Bullard, A., **Gupta, D.**, & Medellin, K. (April, 2023). *Person-Centered Well-Being: Strategies for Mental Health*. Invited to speak at Midwestern State University’s Inclusion Now in Wichita Falls, Texas.

Medellin, K. **Gupta, D.**, Zamora-Robles, S., Bullard, A. & Fox, T., (April, 2022). *The Ultimate Guide to Understanding DEI in Higher Education*. Invited to speak at Midwestern State University’s Inclusion Now in Wichita Falls, Texas.

Gupta, D., & Medellin, K. (April, 2021). *Differences Do Not Mean Deficits*. Invited to speak at Midwestern State University's Inclusion Now in Wichita Falls, Texas.

Gupta, D. (June, 2016). *Let's Get Savvy! Nailing Technology*. Presented at Texoma Regional Math/Science Conference, Wichita Falls, TX.

Hutson, T. & **Gupta, D.** (November, 2015). *Mirror, Mirror: Delivering Effective Interdisciplinary Lessons to Grades K-5*. Presented at TAIR Conference, Wichita Falls, TX.

Gupta, D. (February, 2015). *Activities, Activities, Activities...Oh My!* Presented at Conference on the Teaching of Mathematics (CTM). Sam Houston University, Huntsville, TX.

Wilkerson, T., Rogers, R., Bryan, T., Johns, B., **Gupta, D.**, Nelson, P., Haugh, S. J., & Holden, D. (October 2013). *GEARing UP for Success through Integrating Mathematics and Science* (SSMA Award for Excellence in Integrating Science), San Antonio, TX.

Refereed International Presentations

Gupta, D. & Eddy, C. (Nov, 2026). *Equity-Focused Lesson Study in Elementary Methods Courses: Analyzing Preservice Teachers' Mathematical Understanding*. To be presented at the World Association of Lessons Study Conference, Virtual Conference

Soto, M., Appelgate, M., Dick, L., & **Gupta, D.** (Oct, 2025). *Teaching A Geometry Lesson To Preservice Teachers Integrating the Context of Refugee Camps*. Presented at the North American Chapter of the International Group for the Psychology of Mathematics Education, Pennsylvania, PA.

Soto, M. M., Appelgate, M. H., Dick, L. K., & **Gupta, D.** (July 2024). Improving the integration of mathematics, social justice, and pedagogy. Presented at the 15th International Congress on Mathematics Education (ICME), Sydney, Australia

Soto, M. M., **Gupta, D.**, Lewis, C. C., Hakansson, S. W., Appelgate, M. H., & Dick, L. K. (Nov, 2022). Adaptations to Lesson Study to support equitable teaching practices working group. Presented at the *44th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA)* in Nashville, TN.

Moldavan, A. M., & **Gupta, D.** (March, 2022). Leveraging multicultural texts to promote culturally relevant tasks in STEM teacher education. Paper presented at the Virtual *International Consortium for Research in Science & Mathematics Education*.

Kalinec-Craig, C. A., Eddy, C. M., Montgomery, M. S., Morton, K., Montgomery, M. S., & **Gupta, D.** (October, 2021). Modeling Equitable Practices: Math Teacher Educators' Reflection and Practice. Presented at the *43rd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Philadelphia, PA

Gupta, D., Soto, M., Appelgate, M., & Dick, L., (October, 2021). Continuous Improvement Lesson Study Working Group. Presented at the *43rd annual meeting of the North*

American Chapter of the International Group for the Psychology of Mathematics Education, Philadelphia, PA

- Moldavan, A. & **Gupta, D.** (October, 2021). Elementary Preservice Teachers Integrating Multicultural Literature to Design Culturally Relevant Mathematical Tasks. Presented at the *43rd annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Philadelphia, PA
- Soto, M., Dick, L., Appelgate, M. & **Gupta, D.** (June, 2021). *Using a Community of Practice Perspective to Analyze MTE Learning During Lesson Study*. Paper Presented Virtually at the International Conference on Mathematical Education (ICME-14). Shanghai, China
- Appelgate, M., Dick, L., **Gupta, D.**, & Soto, M. (November, 2018). *Investigating mathematics teacher educators' learning through the phases of lesson study*. Presented at the World Association of Lesson Studies (WALS) International Conference 2018, Beijing, China
- Soto, M. M., Dick, L. K., **Gupta, D.**, Appelgate, M. H., & Broderick, S. (November, 2017). *Improving our own teaching practice: Mathematics teacher educators' participation in a cross-institutional Lesson Study*. Paper Presented at the World Association of Lesson Studies (WALS) International Conference. Nagoya University, Japan.
- Mohanan, R. Stringfellow, C., & **Gupta, D.** (July, 2017) *An Emotionally Intelligent Tutoring System*. Paper Presented at the Computing Conference. London, UK.
- Gupta, D.**, Soto, M., Dick, L., Broderick, S., & Appelgate, M. (June, 2016). *Noticing and Deciding the "Next Steps" for Teaching: A Cross-University Study with Elementary Pre-Service Teachers*. Paper Presented at International Conference on Mathematical Education (ICME-13). Hamburg, Germany.
- Appelgate, M., **Gupta, D.**, Soto, M., Dick, L., & Broderick, S. (November, 2016). *Elementary Mathematics Teacher Educators' Learning through Lesson Study: A Cross-Institutional Study*. Presented at PME-NA (North American chapter of the International Group for the Psychology of Mathematics Education). Tucson, AZ.
- Broderick, S., Dick, L. **Gupta, D.**, Appelgate, M. & Soto, M. (November, 2016). *A Cross-Institutional Study of Pre-Service Teachers' Deciding "Next Steps" through Noticing Children's Mathematical Thinking*. Presented at PME-NA (North American chapter of the International Group for the Psychology of Mathematics Education). Tucson, AZ.

Refereed Presentations

- Gupta, D.**, Medellin, K. & Zamora-Robles, S (March, 2027). *Reimagining Mathematics Learning: AI Tools for Teaching and Research*. To be Presented at Annual Research Council of Mathematics Learning (RCML), Williamsburg, VA
- Gupta, D.**, Eddy, C., Montgomery, M. & Morton, K. (Feb, 2027). *Exploring Preservice Teachers' Understanding of Area With Non-Standard Units Virtually*. To be Presented at the 31st Annual Conference of the Association of Mathematics Teacher Educators (AMTE), Baltimore, MD

- Gupta, D.** Medellin, K. & Zamora-Robles, S (Sept, 2026). *Teaching for What's Next: AI Tools for Mathematics Teaching and Research*. Presented at the Texas Chapter of Association of Mathematics Teacher Educators (AMTE-TX), Woodlands, TX
- Gupta, D.**, & Eddy, C. M (March, 2026). *Preservice Teachers' Reasoning about Area with Non-Standard Units of Measurement*. Presented at Annual Research Council of Mathematics Learning (RCML), Las Vegas, NV.
- Dick, L, Appelgate, M., & **Gupta, D.** (Feb, 2026). *Approaching Elementary Preservice Teacher Learning with a Pedagogies of Practice Lens*. Presented at the 30th Annual Conference of the Association of Mathematics Teacher Educators (AMTE), Portland, Oregon.
- Reeves, E., **Gupta, D.** & Medellin, K. (Feb, 2026). *Perspective Analysis Portfolio: Reflecting Leading to Refinements*. Presented at the 49th Annual Meeting of the Southwest Educational Research Association, New Orleans, Louisiana
- Hylemon, J. & **Gupta, D.** (Nov, 2025). *Uncovering Area Connections in a Mathematical Task*. Presented at the School Science and Mathematics Association Annual Convention, Fort Worth, Texas
- Gupta, D.**, Eddy, C. M., Montgomery, M. S. & Morton, K.(Nov, 2025). *Exploring Area: Preservice Teachers' Understanding Through Non-Standard Units of Measurement*. Presented at the School Science and Mathematics Association Annual Convention, Fort Worth, Texas
- Gupta, D.**, Eddy, C., & Morton, K. (Sept, 2025). *Beyond the Ruler: Preservice Teachers' Conceptualization of Area Using Non-Standard Units*. Presented at at the Texas Chapter of the Association of Mathematics Teacher Educators (AMTE-TX), Southern Methodist University, Dallas, TX.
- Gupta, D.**, Matney, G., Plank, H. M., Patterson, N.C., Butler, A. S., Weaver, J. C. & Soper, O. (April, 2025). *Cross University Analysis of Integrating Social Justice Instruction in Mathematics Methods Courses*. Paper session presented at the 2025 American Educational Research Association (AERA), Denver, CO
- Moldavan, A. & **Gupta, D.** (April, 2025). *Elementary Preservice Teachers' Culturally Relevant Mathematics Tasks: Implications for Cognitive Demand and Cultural Connections*. Paper session to be presented at the 2025 American Educational Research Association (AERA), Denver, CO
- Zomora-Robles, S. & **Gupta, D.** (April, 2025). *Examining the Impact of a Summer Program for First-Generation Students*. Roundtable session presented at the 2025 American Educational Research Association (AERA), Denver, CO
- Matney, G., **Gupta, D.**, Plank, H., Mwale, L., & Bajwa, A. (March, 2025) *Dual-University Analysis Integrating Social Justice in Math Methods: Context of Displaced Persons*. Presented at the Annual Research Council of Mathematics Learning (RCML), College Station, Texas.
- Medellin, K. & Gupta, D. (Jan, 2025). *The Rhythm of University-School Partnership: Challenges and Success*. Presented at the South area Network of School-University partnerships (SCAN=SUP), Tarleton State University, Fort Worth, TX.

- Gupta, D.**, Dick, L., Soto, M. M., & Appelgate, M. (April 2024). *Lesson Study to analyze the integration of social justice, mathematics, and pedagogy*. Presented at the American Educational Research Association (AERA) Annual Meeting, Philadelphia, PA.
- Gupta, D.**, Dick, L., Soto, M., & Appelgate, M. H. (Nov, 2024). *Analyzing Integration of Math, Social Justice, and Pedagogy With Continuous Improvement Lesson Study*. Presented at the School Science and Mathematics Association Annual Convention. Knoxville, TN.
- Gupta, D.**, & Moldavan, A. (Nov, 2024). *Enhancing Culturally Relevant Math Tasks through Cognitive Demand and Cultural Connection Framework*. Presented at the School Science and Mathematics Association. Knoxville, TN.
- Moldavan, A. M., & **Gupta, D.** (Oct, 2024). *A Framework Guiding Cognitive Demand and Cultural Connections in Mathematics Task Design*. Presented at the Georgia Association of Mathematics Teacher Education, Eatonton, GA.
- Gupta, D.**, & Moldavan, A. (Sept, 2024). *Assessing Cognitive Demand and Cultural Connections in Mathematics Task Design: A Framework for Growth and Reflection*. Presented at the Texas Chapter of the Association of Mathematics Teacher Educators (AMTE-TX), Canyon, TX.
- Medellin, K. Zamora-Robles, S., & **Gupta, D.** (Sept, 2024). *Work Smarter, Not Harder: Utilizing AI to Enhance Elementary Math Lesson Plans*. Presented at the Texas Chapter of the Association of Mathematics Teacher Educators (AMTE-TX), Canyon, TX.
- Moldavan, A. & **Gupta, D.** (April, 2024). *Exploring a Framework to Guide Cultural and Cognitive Demand Integration in Culturally Relevant Mathematics Tasks*. Paper session presented at the annual meeting of the American Educational Research Association (AERA), Philadelphia, PA.
- Gupta, D.**, Dick, L., Soto, M., & Appelgate, M. H. (April, 2024). *Lesson Study to Analyze the Integration of Social Justice, Mathematics, and Pedagogy*. I-Poster presentation at the annual meeting of the American Educational Research Association (AERA), Philadelphia, PA.
- Gupta, D.**, Montgomery, M. S., Eddy, C. M. & Morton, K. (February, 2024). *Analyzing Preservice Teachers' Mathematical Understanding within an Equity-Focused Lesson in Elementary Methods Courses*. Posted presented at the 28th annual conference of the Association of Mathematics Teacher Educators (AMTE). Orlando, FL.
- Gupta, D.**, & Moldavan, A. (October, 2023). *Diving Deeper into Culturally Relevant Tasks: Looking at a Framework to Critique Learning*. Presented at the School Science and Mathematics Association (SSMA). Colorado Springs, CO.
- Gupta, D.**, Standford, M., & Moldavan, A. (Sept, 2023). *PSTs Using Culturally Relevant Math Tasks: Framework to Critique Learning*. Presented at Texas Chapter of Association of Mathematics Teacher Educators (AMTE-TX), Denton, TX.
- Gupta, D.** & Moldavan, A. (March, 2023). *PSTs Using Culturally Relevant Math Tasks: Framework to Critique Learning*. Presented at Annual Research Council of Mathematics Learning (RCML), Las Vegas, NV.

- Moldavan, A. M., & **Gupta, D.** (2022, March). *Leveraging multicultural texts to promote culturally relevant tasks in STEM teacher education*. Paper presented at the Virtual International Consortium for Research in Science & Mathematics Education.
- Gupta, D.**, Moldavan, A. and Bullard, A. (Oct, 2022). *Use of Multicultural Texts to Promote Culturally Relevant Tasks in Teacher Education*. Presented at the 2022 School Science and Mathematics Association (SSMA), Missoula, MT.
- Gupta, D.**, and Bullock, E. (Oct, 2022). *Assessing the Effectiveness of Middle School Digital Mathematics Games for Teaching*. Presented at the 2022 School Science and Mathematics Association (SSMA), Missoula, MT.
- Zomora-Robles, S., **Gupta, D.** & Lamb, K. (June, 2022). *Using a Values-Based Framework to Achieve Equity and Justice for Students, Faculty, and Staff*. Presented at (COPLAC) Annual Meeting, Massachusetts, MI (Presentation chosen from all colleges to represent the university)
- Gupta, D.** and Moldavan, A., Bullard, A., & Melloan, M. (March 2022) *Enhancing Culturally Relevant Math Tasks with Multicultural Literature*. Presented at the 2022 Annual Research Council of Mathematics Learning (RCML), Grapevine, TX.
- Donham, M., **Gupta, D.**, Wilkerson, T. Eddy. C. (March 2022). *Validating the Algebra Teacher Self-Efficacy Instrument for PSTs*. Presented at the 2022 Annual Research Council of Mathematics Learning (RCML), Grapevine, TX.
- Moldavan, A. & **Gupta, D.** (March, 2022). *Leveraging Multicultural Texts to promote Culturally relevant Tasks in STEM Teacher Education*. Presented at the International Consortium for Research on Science & Mathematics Education, 2022 Virtual Conference.
- Medellin, K. & **Gupta, D.** (Feb, 2022). *Teaching Strategies During a Pandemic: Learnings and Reflections*. Paper Presented at the Southwest Educational Research Conference (SERA), New Orleans, LA.
- Wilkerson, T., **Gupta, D.**, Jasper, W. & Donham, M. (Feb, 2022). *Validation of the Algebra Teacher Self-Efficacy Instrument for Pre-Service Mathematics Teachers*. Paper Presented at the Southwest Educational Research Conference (SERA), New Orleans, LA.
- Gupta, D.** & Moldavan, A. (Feb, 2022). *Engaging Preservice Teachers in Culturally Relevant Math Tasks through Multicultural Picture Books*. Paper Presented at the Southwest Educational Research Conference (SERA), New Orleans, LA.
- Montgomery, M.S., Eddy, C.M., Kalinec-Craig, C.A., **Gupta, D.**, & Hulme, K. (Feb, 2022). *Modeling Equity: Mathematics Teacher Educators Use of Torres' Rights of the Learner in Methods Courses*. Presented at the 26th Annual Conference of the Association of Mathematics Teacher Educators. Las Vegas, NV.
- Gupta, D.**, Donham, M., Wilkerson, T., Eddy, C., & Ward, E. (Oct, 2021). *The Process of Validating the Algebra Teacher Self-Efficacy Instrument for Pre-Service Teachers*. Presented at School Science and Mathematics Association, Virtual Conference.

- Gupta, D.**, Wilkerson, T., Eddy, C., Ward, E., & Donham, M. (Feb, 2021). *Algebra Teacher Self-Efficacy Instrument Validation for Preservice Teachers*. Presented at the 2021 Annual Research Council of Mathematics Learning (RCML) Virtual Conference.
- Eddy, C., Morton, K., **Gupta, D.**, Kalinec-Craig., & Montgomery, M. (Feb, 2021). *Modeling Equitable Practices: Math Teacher Educators' Reflections & Practices*. Presented at the 2021 Annual Research Council of Mathematics Learning (RCML) Virtual Conference.
- Soto, M. M., Dick, L. K., **Gupta, D.**, & Appelgate, M. (Feb, 2021). *Continuous Improvement Lesson Study to develop an educative lesson*. Presented at the 2021 Annual Association of Mathematics Teacher Educators' Virtual Conference.
- Gupta, D.**, & Lindt, S. (Feb, 2021) *Influence of Informal Experiences: Change in Mathematics Teaching Efficacy of Pre-Service Teachers*. Presented at the 2021 Annual Association of Mathematics Teacher Educators' Virtual Conference.
- Hinchman, T., & **Gupta, D.** (April, 2020). *STEAMED-UP: A mixed Methods Creativity Evaluation*. Paper Presented at Society for Information Technology and Teacher Education (SITE) Virtual Conference.
- Hinchman, T., & **Gupta, D.** (March, 2020). *STEAMED-UP Two weeks Later: A mixed Methods Creativity Evaluation*. Presented at the 2021 Annual Research Council of Mathematics Learning (RCML), Las Vegas, Nevada.
- Gupta, D.** (Feb, 2020). *Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections*. Presented at the 2020 Annual Association of Mathematics Teacher Educators (AMTE), Phoenix, AZ.
- Medellin, K. & **Gupta, D.** (Feb, 2020). *Analyzing Multicultural Picture Books and Culturally Relevant Activities for Content Areas*. Paper Presented at Southwest Educational Research Association (SERA), Arlington, TX.
- Manuel, A. K. & **Gupta, D.** (Feb, 2020). *Coding with Coder-Pillars: Coding is Possible in Early Grades*. Paper Presented at Southwest Educational Research Association (SERA), Arlington, TX.
- Appelgate, M., Dick, L., **Gupta, D.**, & Soto, M (April, 2019). *MTEs Learning through Lesson Study: A Community of Practice Perspective*. Presented at the National Council of Teachers of Mathematics (NCTM) Research Conference. San Diego, CA.
- Appelgate, M., Dick, L., **Gupta, D.**, & Soto, M. (February 2019). *Lesson study as a vehicle for establishing early career MTE learning from practice*. Presented at the 23rd Annual Association of Mathematics Teacher Educators (AMTE) Conference, Orlando, FL.
- Dick, L. K., Soto, M. M., Appelgate, M. H., & **Gupta, D.** (November, 2018). *Elementary Pre-service Teachers Whole Class Instructional Decision Making*. Poster to be Presented at PME-NA (North American chapter of the International Group for the Psychology of Mathematics Education). Greenville, South Carolina.
- Dick, L. K., **Gupta, D.**, Appelgate, M. H., Broderick, S., & Soto, M. M. (April, 2018). *Lesson study with mathematics teacher educators across five universities:*

Implementation and learning. Presented at the 2018 American Educational Research Association Annual Meeting (AERA). New York, NY.

Gupta, D. (February, 2018). *Using Children's Literature to Foster Mathematical Ideas: Research and Practice*. Poster Presented at the 22nd Annual Association of Mathematics Teacher Educators (AMTE). Houston, TX.

Gupta, D. & Lindt, S. (February, 2018). *Impact of Informal Experiences on Mathematics Teaching Efficacy of Preservice Teachers*. Paper Presented at Southwest Educational Research Association (SERA). New Orleans, LO.

Dick, L., Broderick, S., **Gupta, D.**, Appelgate, M., & Soto, M. (April, 2017). *MTEs learning through cross-institutional Lesson Study*. Presented at the National Council of Teachers of Mathematics (NCTM) Research Conference. San Antonio, TX.

Gupta, D. & Curry, L. (April, 2017). *Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections*. Paper Presented at the American Educational Research Association (AERA). San Antonio, TX.

Gupta, D. & Lindt, S. (April, 2017). *Changing Self-efficacy of Preservice Teachers During a Weeklong Mathematics Camp*. Poster Presented at American Educational Research Association (AERA), San Antonio, TX.

Corp, A. & **Gupta, D.** (April, 2017). *Engaging Students in Mathematics with Culturally Responsive Stories*. Presented at the National Council of Teachers of Mathematics (NCTM) Annual meeting. San Antonio, TX.

Gupta, D. & Corp, A. (March, 2017). *Integrating Children's Literature: Fostering Understandings and Connections*. Presented at the Research Council of Mathematics Learning (RCML). Dallas, TX.

Curry, D. L., Reeves, E., McIntyre, C. & **Gupta, D.** (March, 2017). *Taking Sheltered Instruction Digital: A Review of Classroom Technologies that Support ELL Students*. Paper Presented at Society for Information Technology and Teacher Education (SITE). Austin, TX.

Rutherford, E. & **Gupta, D.** (February, 2017) *Learning to Use Students' Mathematical Thinking: Preservice Teachers' Noticing*. Paper Presented at Southwest Educational Research Association (SERA). San Antonio, TX.

Gupta, D. & Lindt, S. (February, 2017). *Impact of Informal Experiences: Changes in Perceived Self-efficacy of Mathematics for Middle Schoolers*. Paper Presented at Southwest Educational Research Association (SERA). San Antonio, TX.

Broderick, S., **Gupta, D.**, Appelgate, M., Dick, L., & Soto, M. (February 2017). *Development of a rubric to assess PST's noticing of children's mathematical thinking: A cross-institutional study*. Presented at the 21st Annual Association of Mathematics Teacher Educators (AMTE). Orlando, FL.

Gupta, D. & Rutherford, E. (February, 2016). *Pre-service Teachers' Noticing of Struggling Students' Mathematical Thinking*. Presented at Southwest Educational Research Association (SERA). New Orleans, LA.

Lindt, S. & **Gupta, D.** (February, 2016). *Mathematics Teaching Self-efficacy Beliefs: The*

Influence of Facilitating a Week-Long Summer Camp for College Students. Paper Presented at Southwest Educational Research Association (SERA). New Orleans, LA.

Gupta, D., Eddy, C., Wilkerson, T. L., Sorto, A. & William, J. (February, 2016). *Refining and Validating of Algebra Teacher Self-Efficacy Instrument.* Paper Presented at Southwest Educational Research Association (SERA). New Orleans, LA.

Gupta, D., William, J., Fuentes, S. Q., Cooper, S. & Mallam, W. A. (October, 2015). *Advancing the Field: Development and Validation of Algebra Teachers' Self-efficacy Instrument.* Presented at the School Science and Mathematics Association (SSMA). Oklahoma, OK.

Hutson, T. & **Gupta, D.** (October, 2015). *How does the STEAM Model of Interdisciplinary Teaching affect Pre-service Teacher Self-efficacy?* Presented at the School Science and Mathematics Association (SSMA). Oklahoma, OK.

Gupta, D. & Hutson, T. (January, 2015). *Improving Efficacy and Outcomes in Math and Science: providing Enrichment STEM Experiences in elementary Pre-Service Method Courses.* Paper Presented at Southwest Educational Research Association (SERA). San Antonio, TX.

Gupta, D., Wilkerson, T., & Cooper, S. (November, 2014). *Pieces and Parts! A Longitudinal View of Early Fractional Understanding.* Presented at the National Council of Teachers of Mathematics (NCTM) Regional Conference and Exposition. Houston, TX.

Wilkerson, T., **Gupta, D.**, & Thornhill, A. (April, 2014). *Making Mathematics a Habit.* Presented at the National Council of Teachers of Mathematics (NCTM) Annual Meeting, New Orleans, LA.

Wilkerson, T.; Rogers, R.; Bryan, T.; Johns, B.; **Gupta, D.**; Nelson, P.; Haugh, S.J., & Holden, D. (November, 2013). *GEARing UP for Success through Integrating Mathematics and Science.* Presented at School Science and Mathematics Association, San Antonio, TX.

Gupta, D. & Wilkerson, T. (November, 2013). *Understanding Fractions is Possible: Looking at Cases from a Longitudinal Study.* Paper Presented at School Science and Mathematics Association (SSMA). San Antonio, TX.

Corp, A., **Gupta, D.**, Wilkerson, T. (November, 2013). *Preservice Teachers' Learning about Teaching Fractions.* Paper Presented at School Science and Mathematics Association (SSMA). San Antonio, TX.

Gupta, D. & Wilkerson, T. (July, 2012) *Mathematical Immersion for Facilitating Development of Mathematical Habits of Mind.* Paper Presented at Conference for Advancement of Mathematics Teaching (CAMT). AMTE-TX Strand at Houston, TX.

Gupta, D., Wilkerson, T., Cooper, S., & Meyer, R. (February, 2012). *Reflective Teaching Practices: Facilitating Research for Teaching.* Paper Presented at The Association of Teachers' Educators (ATE). San Antonio, TX.

Wilkerson, T., **Gupta, D.**, Sharp, P., & Baker, B. R. (February, 2012). *University K-12 School Partnerships: Informing Program Development in Teacher Education.* Paper Presented at The Association of Teachers' Educators (ATE). San Antonio, TX.

Gupta, D., Conaway, B. J., Dixon, E., Zandstra, A., Henry, A., Nelson, P., Ray, B., Tang, A., & Trumble, J. (February, 2012). *Anchoring the Doctoral Candidates: Supporting the Transition from Student to Professional*. Paper Presented at The Association of Teachers' Educators (ATE). San Antonio, TX.

Gupta, D. (November, 2011). *An Examination of Teaching Models: Exploring Elementary Students' Fractional Understanding*. Paper Presented at School Science and Mathematics Association, Colorado Springs, CO.

Wilkerson, T. & **Gupta, D.** (February, 2011). *An Examination of Fractional Understanding in Second Graders: A Mixed Methods Approach*. Paper Presented at Southwest Educational Research Association (SERA). San Antonio, TX.

Gupta, D., Purdum-Cassidy, B. A.; Meyer, R.; & Cooper, S. (February, 2011). *Breaking the Silence: Pre-Service Teachers' Attitudes Towards Action Research*. Paper Presented at The Association of Teachers' Educators (ATE). Orlando, FL.

Cooper, S., **Gupta, D.** & Mechell, S. (November, 2008). *Discrete or Continuous: Fraction Models for Young Students*. Paper Presented at School Science and Mathematics Association Annual Convention. Raleigh, NC.

Workshops

Heymon, J. & **Gupta, D.** (June, 2025). *Activities! Activities! Activities! Oh My!!!* To be Presented at Conference for Advancement of Mathematics Teaching (CAMT), San Antonio, TX

Gupta, D. & Medellin, K. (June, 2025). *AI Unleashed: Transforming Teaching for Tomorrow!* Presented at Region 9 Service Center, Wichita Falls, TX

Gupta, D. & Heymon, J. (June, 2024). *Math's not hard When it's Fun*. Presented at Conference for Advancement of Mathematics Teaching (CAMT), Houston, TX

Gupta, D. (June, 2024). *AMTE-TX Analyzing at Balance of Content, pedagogy, and Social Justice in an Elementary PST Lesson*. Presented at Conference for Advancement of Mathematics Teaching (CAMT), Houston, TX

Gupta, D. (June, 2023). *Fraction Frenzy*. Presented at Region 9 Service Center, Wichita Falls, TX

Gupta, D. & Bullard, A. (June, 2022). *Math+ Books+ Culture+ Activities+ Learning : Yes! It is possible!* Presented at Region 9 Service Center, Wichita Falls, TX

Lindt, S. & **Gupta, D.** (July, 2022). *Math+ Movement+ Fun = Learning!* In-Person workshop session presented at Conference for Advancement of Mathematics Learning (CAMT), San Antonio, TX

Gupta, D. (July, 2021). *Using Multicultural Texts to Promote Culturally Relevant Tasks in Math Teacher Education -AMTE-TX*. Virtual workshop session presented at Conference for Advancement of Mathematics Learning (CAMT), San Antonio, TX

Gupta, D. (July, 2019). *Fraction Frenzy*. Workshop Presented at Conference for Advancement of Mathematics Teaching (CAMT). San Antonio, TX

- Lopez, M., Hinchman, T., Manuel, A. K. & **Gupta, D.**, (July, 2019). *Play! Learn! Play! Learn!* Workshop Presented at Conference for Advancement of Mathematics Teaching (CAMT). San Antonio, TX
- Gupta, D.**, Cobb, S., Miller, S., & Lindt, L. (July, 2018). *I like to Move it! I like to learn it!* Workshop Presented at Conference for Advancement of Mathematics Teaching (CAMT). Houston, TX
- Miller, S., Lindt, L., & **Gupta, D.** (June, 2018). *Move it! Learn it!!* Workshop Presented at Texoma Regional Math/Science Conference Collaborative. Wichita Falls, TX.
- Gupta, D.**, Hinchman, T., Hood, J., Lopez, M., & Manuel, A. K. (June, 2018). *Yes! You can Code!* Workshop Presented at Texoma Regional Math/Science Conference Collaborative. Wichita Falls, TX. hookingAMTE-TX
- Gupta, D.** & Corp, A. (July, 2017). *2 for 1: Math+Reading*. Presented *twice* at the Conference for Advancement of Mathematics Teaching, Fort Worth, TX
- Gupta, D.** & Lindt, S. L. (June, 2016) *Math's Not Hard When it's Fun!* Presented at Conference for Advancement of Mathematics Teaching, San Antonio, TX.
- Gupta, D.** (June, 2015). *Let's Get Savvy! Nailing Technology*. Presented at Texoma Regional Math/Science Conference, Wichita Falls, TX.
- Gupta, D.** & Berryhill, L. (June, 2015). *A "Byte" at Technology: Engaging Today's Students*. Presented at Texoma Regional Math/Science Conference, Wichita Falls, TX.
- Gupta, D.** & Hutson, T. (November, 2014). *Linking Reading and Math: It's Possible!!!* Workshop Presented at Texas Association for Improvement of Reading (TAIR). Wichita Falls, TX.
- Hutson, T. & **Gupta, D.** (November, 2014). *Next Time You See a Sunset*. Workshop Presented at Texas Association for Improvement of Reading (TAIR). Wichita Falls, TX.
- Gupta, D.** (November, 2013). *Making Algebra Exciting!!!* Presented at the School Science and Mathematics Association (SSMA). San Antonio, TX
- Wilkerson, T. & **Gupta, D.** (October, 2012). *Making Mathematics a Habit*. Presented at the National Council of Teachers of Mathematics Regional Conference and Exposition, Dallas, TX.
- Gupta, D.** & Wilkerson, T. (October, 2012). *Hooking Students on Algebra: Activities that Make it Fun*. Presented at the National Council of Teachers of Mathematics Regional Conference and Exposition, Dallas, TX.
- Gupta, D.** (July, 2012) *Patterns, Patterns Everywhere: Exploring Pascal's Triangle*. Presented at Conference for Advancement of Mathematics Teaching (CAMT) Houston, TX.
- Gupta, D.** (February, 2010). *Be a Magician or a Giant: Similarity and Proportions*. Presented at Central Texas Council of Teachers of Mathematics (CTCTM). Waco, TX.
- Gupta, D.** & Montgomery, M. (October, 2008). *Exploring Pascal's Triangle in the Classroom*. Presented at National Council of Teachers of Mathematics Regional Conference and Exposition, Oklahoma, TX.

Presentations at MSU

- Fox, T., Helmcamp, W., Bullard, A., **Gupta, D.**, & Medellin, K. (April, 2023). *Person-Centered Well-Being: Strategies for Mental Health*. Invited to speak at Midwestern State University's Inclusion Now in Wichita Falls, Texas.
- Fox, T., Helmcamp, W., Bullard, A., **Gupta, D.**, Medellin, K., O'Brien, C., & Taylor, C. (March, 2023). *Student Well-Being: Class Check-Ins for Mental Health*. Invited to speak at Midwestern State University's Teaching and Learning Resource Center (TLRC) in Wichita Falls, Texas.
- Medellin, K. **Gupta, D.**, Zamora-Robles, S., Bullard, A. & Fox, T., (April, 2022). *The Ultimate Guide to Understanding DEI in Higher Education*. Invited to speak at Midwestern State University's Inclusion Now in Wichita Falls, Texas.
- Gupta, D.**, & Medellin, K. (April, 2021). *Differences Do Not Mean Deficits*. Invited to speak at Midwestern State University's Inclusion Now in Wichita Falls, Texas.
- Gupta, D.**, Hinchman, T., Hood, J., Lopez, M., & Manuel, A.K. (April, 2018). *Coding with Code-a-Pillar*. Oral Presentation at Celebration of Scholarship. Wichita Falls, TX
- Gupta, D.** & Lindt, S. (April, 2017). Changing Self-Efficacy of Pre-service Teachers during a Week-long Mathematics Camp. Poster presented at the Celebration of Scholarship. Wichita Falls, TX.
- Lindt, S. F. & **Gupta, D.** (April, 2016). *Mathematics Teaching Self-Efficacy Beliefs: The Influence of Facilitating a Week-Long Summer Camp for College Students*. Oral Presentation at Celebration of Scholarship. Wichita Falls, TX.

Presentations with Undergraduate Students

National, State, and Regional

- Gupta, D., **Stanford, M.**, & Moldavan, A. (Sept, 2023). PSTs Using Culturally Relevant Math Tasks: Framework to Critique Learning. Presented at Texas Chapter of Association of Mathematics Teacher Educators (AMTE-TX), Denton, TX
- Gupta, D. Moldavan, A. Bullard, A., & **Melloan, M** (March 2022). *Enhancing Culturally Relevant Math Tasks with Multicultural Literature*. Presented at the 2021 Annual Research Council of Mathematics Learning (RCML), Grapevine, TX.
- Ginnings, C.**, **Latham, A.**, Rutherford, E. & Gupta, D. (February, 2019). Impact of Professional Noticing Framework on Pre-Service Teachers' Understanding of Struggling Students' Mathematical Thinking. Paper Presented at Southwest Educational Research Association (SERA). San Antonio, TX.
- Garay, M.**, **Arredondo, F.**, Gupta, D. & Medellin, K. (February, 2018). *From Margin to Center: Multicultural Picture Books for Math Science, and Social Studies*. Paper Presented at the Southwest Educational Research Conference (SERA). New Orleans, LO.
- Brown, J.R.**, **Woods, T.** & Gupta, D. (February, 2017). *Integrating STEAM into Elementary Education: Fostering Self-Efficacy in Pre-service Teachers*. Paper Presented at Southwest Educational Research Association (SERA). San Antonio, TX

Whitwood, M. (April, 2017). *Integrating Children's Literature in Math: Fostering Pre-service Teachers' Understanding and Connections*. Presented at the National Alpha Chi Conference in Louisville, Kentucky. Faculty Mentor for the project.

- Won the Patricia A. Williams Prize in Education

Bussue, N. R. (April, 2017). *Integrating Children's Literature in Math: Fostering Pre-service Teachers' Understanding and Connections*. Presented at the Texas Council for Exceptional Children's Conference, Austin, TX. Faculty Mentor for the project

Bussue, N. R. & Whitwood, M. (March, 2017). *Integrating Children's Literature in Math: Fostering Pre-service Teachers' Understanding and Connections*. Poster Presented at the Texas Undergraduate Day at the Capitol. Faculty Mentor for the project

Gupta, D., Bussue, N. R., & Whitwood, M. (November, 2016). *Integrating Children's Literature in Math: Fostering Pre-service Teachers' Understanding and Connections*. Poster Presented at PME-NA (North American chapter of the International Group for the Psychology of Mathematics Education). Tucson, AZ.

Bussue, N. R., Whitwood, M. & Gupta, D. (February, 2016). *Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections*. Paper Presented at Southwest Educational Research Association (SERA). New Orleans, LA.

Cason, L., Gupta, D., & Hutson, T. (October, 2015). *Integration across Disciplines: Math, Science and Physical Education in Elementary Classrooms*. Presented at School Science and Mathematics Association, Oklahoma, OK.

Forums at Midwestern State University (Faculty Mentor for the Projects)

Burton, C. (April, 2024). *Strategies to Increase Connections and Belonginess in Undergraduate and Graduate Courses*. Presented at the 2024 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX

- Won First Place for Best Oral Presentation

Hernandez, E. (July, 2023). *Looking at Practices for Students' Engagement in STEM*. Presented at UGROW forum in Wichita Falls, TX

Standford, M., (November, 2022). *PSTs Using Culturally Relevant Math Tasks: Framework to Critique Learning*. Presented at the 2023 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX

- Won First Place for Best Oral Presentation

Melloen, M. (April, 2022). *Enhancing Culturally Relevant Math Tasks with Multicultural Literatur*. Presented at the 2022 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX

- Won First Place for Best Oral Presentation

Scotland, Micah-Lynn & Clarke, B. (April, 2022). *The Design and Development of an Effective Digital Mathematics Game*. Presented at the 2022 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX

- *Won Most interdisciplinary project - WCOE (West College of Education) and MCOSME (McCoy College of Science, Mathematics, and Engineering)*

Clarke, B. (Nov, 2021). *Assessing Effectiveness of Digital Mathematics Games*. Oral Presentation at the Fall 2021 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX

- *Won First Place for Best Oral Presentation (Virtual)*

Clarke, B. (July, 2021). *Assessing Effectiveness of Digital Mathematics Games*. Oral Presentation at the Summer 2021 UGROW forum at MSU in Wichita Falls, TX

Rayna, T. (April 2020). *Exploring Digital Math Games*. Presented virtually at the Spring 2020 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX

Rayna, T. (Summer 2020). *Exploring Digital Math Games*. Presented virtually at the Summer 2020 UGROW Forum in Wichita Falls, TX

Anderson, M. Harrelson, A. & Springette, K. (Nov, 2019). *Examining Creativity in a STEAMing H.O.T. Camp*. Post Presentation at the Fall 2019 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX

- *Tied for First Place for Best Poster*

Ginnings, C. & Latham, A. (November, 2018). *Pre-Service Teachers Noticing of Struggling Students' Mathematical Thinking* Oral Presentation at the Fall 2018 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX *(Faculty mentor with Dr. Emily Rutherford)*

Arredondo, F. & Garay, M. (April, 2018). *From Margin to Center: Multicultural Picture-Books*. Oral Presentation at the Spring 2018 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX. *(Faculty mentor with Ms. Kelly Medellin)*

- *Won Best Interdisciplinary Project,*
- *Won First Place for Best Oral Presentation*

Hailey, M. (November, 2017). *Educational Research Gone Wrong*. Oral Presentation at the Fall 2017 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX. *(Faculty mentor for the project)*

- *Second Place for Oral Presentation*
- *Most Interdisciplinary Oral Presentation*
- *Most Creative Oral Presentation*

Arredondo, F. & Garay, M. (November, 2017). *From Margin to Center: Multicultural Picture-Books*. Poster Presented at the Fall 2017 Undergraduate Research and

Creative Activities Forum at MSU in Wichita Falls, TX. (Faculty mentor with Ms. Kelly Medellin)

- Won Second Place for Best Poster Presentation

Woods, T. & Brown, J. R. (April, 2017). *The Effect of STEAM Units on Pre-service Teachers' Self-Efficacy*. Poster Presentation at the Spring 2017 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX. (Faculty mentor for the project)

- Won First Place for Best Poster Presentation

Brown, J. R. & Woods, T. (November, 2016). *The Effect of STEM and STEAM*. Oral Presentation at the Fall 2016 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX. (Faculty mentor for the project)

- Won Second Place in Oral Presentation

Whitwood, M. & Bussue, N. R. (April, 2016). *Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections*. Poster Presentation at the Spring 2016 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX. (Faculty mentor for the project)

- Won First Place
- Awarded Most Creative and Original Presentation
- President's Award Winner- Overall Top Winner from All Colleges, poster and oral presentations. The only presentation with a perfect score of 24 and a perfect score of 10 for Originality and Creativity for that Forum.

Whitwood, M. & Bussue, N. (November, 2015). *Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections*. Oral Presentation at the Fall 2015 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX. (Faculty mentor for the project)

- Won Best Oral Presentation Award

Maegan, T. (April, 2015). *Integrating Reading in Elementary Mathematics Classrooms*. Oral Presentation at the Spring 2015 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX. (Faculty mentor with Dr. Christian Northrup)

Cason, L. & Giamporcaro, M. (April, 2015). *Learning Through Movement*. Poster Presentation at the Spring 2015 Undergraduate Research and Creative Activities Forum at MSU in Wichita Falls, TX (Faculty mentor with Dr. Tommy Hutson)

C. Applied research

PSTs Using Culturally Relevant Science and Math Tasks: Framework to Critique Learning with Undergraduate Students and colleague from Georgia Southern University

Exploring the Effectiveness of Digital math Games with undergraduate students and faculty at Sam Houston University

Designing Culturally Relevant Mathematics Tasks – project in collaboration with Fordham University, New York

Using Rights of Learner Framework to create an environment of Access, Equity, and Identify in Math Methods – a collaborative project with the University of North Texas, Stephen F. Austin, and the University of Texas- San Antonio

Learning through Play: Coder Pillar research in collaboration with Midwestern State University mathematics department and Wichita Falls Independent School District

Lesson Study in Higher Education in Collaboration with Bowling Green State University, Ohio

Children's Mathematical Thinking with Florida State University, Iowa State University, and Bucknell University

Serving as lead faculty for the NOYCE NSF grant to bring together WCOE and COSM for the benefit of increasing numbers of 7-12 science and math students, 2017-2019

Pre-service Teachers Noticing of Struggling Students' Mathematical Thinking. EURECA Project with Dr. Emily Rutherford, Fall 2018

From Margin to Center: Multicultural Picture-Books. EURECA project with Mrs. Kelly Medellin, 2017-2018

Project MUSTANG: Increasing mathematics self-efficacy for middle school students. Mixed Methods Study– Summer 2015, Summer 2016, and Summer 2017

Camp SUM (Sparking Understanding of Mathematics) for Elementary School Students – Summer 2016 and Summer 2017

The Effect of STEAM Units on Pre-service Teachers' Self-Efficacy. EURECA Project, 2016-2017

Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections. EURECA Project, 2015-2016

Why STEAM is HOT: Integrating Science, Technology, Engineering, Art, and Mathematics (STEAM) for Higher-Order Thinking (HOT) Skills!!! Case Study with Dr. Tommye Hutson, 2014-2015

Movement Integration Textbook for Classroom Teachers (Math Chapter of the Book), 2016-2018

D. Professional involvements

Southwest Educational Research Association (SERA)

- Member, 2014- 2022
- Co-chair Division II: Instruction, Learning, and Cognition for *Southwest Educational Research Association*, 2015, 2016, 2017
- Proposal Reviewer for the annual SERA conferences
- Member-at-Large, 2017-2020
- Session Discussant
- Conference Volunteer

Association of Teacher Educators-Texas (AMTE-TX)

- Copy Editor, 2023-2026
- VP of Conferences, 2019- 2022
- Member, 2015-Present
- Website Designer
- Proposal Reviewer
- Member Publicity Committee and Conference Committee

Texas Council of Teachers of Mathematics

- CAMT Board Liaison, 2021- Present
- VP of Elementary, 2019-2021
- Member, 2016-Present
- Conference Volunteer
- Manuscript Reviewer

National Council of Teachers of Mathematics (NCTM)

- Member, 2008-2011, 2014- Present
- Specialized Professional Association (SPA) reviewer for the Council for the Accreditation of Education Preparation.
- Proposal reviewer for the annual and regional NCTM conferences
- Manuscript reviewer for the Teaching *Children Mathematics*, *Mathematics Teaching for the Middle School*, and *The Mathematics Teacher*
- Member of NCTM Curriculum Resource team for Elementary (CRDT-E) tasked with developing resources for teachers throughout the U.S., 2015-2016

School Science and Mathematics Association (SSMA)

- Board member, Chair of Nominations and Elections Committee, 2021-Present
- Member, 2011-2016
- Proposal reviewer for conferences
- Manuscript reviewer for the Proceedings of the *School Science and Mathematics Journal*

Research Council of Mathematics Learning

- Member, 2016-2017
- Conference Volunteer

American Educational Research Conference (AERA)

- Member, 2016-2018, 2022-Present

- Annual Meeting Program Chair, 2018
- Lesson Study Special Interest Group proposal Reviewer

Association of Mathematics Teacher Educators (AMTE) – Member, 2014-Present

- Conference proposal reviewer

Texas Association of Teacher Educators (ATE) – Member, 2014-2017

Central Texas Council of Teachers of Mathematics (CTCTM), 2009-2016

- Member, 2009-2016
- Website Designer, 2012-2016

Manuscript Reviewer for

- Texas Mathematics Teacher, 2017-Present
- Mathematics Teacher Educator, 2021-Present
- Investigations in Mathematics Learning, 2019-Present
- Mathematics Teacher: Learning and Teaching Pre-K–12, 2015-Present
- Ohio Journal of School Mathematics, 2023- Present
- Action in Teacher Education, 2023-Present
- Teaching Children Mathematics, 2015-2020
- Mathematics Teaching in the Middle School, 2015-2020
- Mathematics Teacher, 2015-2020
- Curriculum and Teaching Dialogue, 2014-2020
- Educational Research for Policy and Practice, 2019
- Journal of Research in Childhood Education, 2010-2013
- Chair, Nominations and Election Committee on the School Science and Mathematics (SSMA) board.
- Board member, Conference of Advancement of Mathematics Teaching (CAMT) as the liaison-on for TCTM (Texas Council of Teachers of Mathematics)
- Copy Editor for the JMTET (Journal of Mathematics Teacher Education in Texas)-Term 2023-2026
- Vice President of Conferences, Texas Chapter of the Association of Mathematics Teacher Educators, 2019-2022

E. **Grants**

▪ **External Grants**

West Center of Educational Research

- *Project MUSTANG* (Middle School Summer Math Camp), awarded Spring 2017: **\$3,510.62**
- *Camp SUM* (Elementary Summer Math Camp), awarded Spring 2017: **\$3,448.77**
- *Project MUSTANG* (Middle School Summer Math Camp), awarded Spring 2016: **\$4,833.25**

- *Camp SUM* (Elementary Summer Math Camp), awarded Spring 2016: **\$3,550.25**
- *Project MUSTANG* (Middle School Summer Math Camp), awarded Spring 2015: **\$5,521.00**
- **External Grants**

National Science Foundation, Directorate for STEM Education Research on Learning in Formal and Informal Settings: Discovery Research PreK-12 (DRK-12), NSF 23-596 – Learning Strand. *National STEM Teacher Corps Rural Equity-focused Algebra Leaders (REAL)*. Collaboration with National Science Research Laboratory. Rebecca Hite (PI), Shirley Matteson, Alex Wiseman, Weverton Ataide-Pinhiero, Gina Childers (Co-PIs). Collaboration with Audrey Meador (WTAMU), Dittika Gupta (MSU), Scarlett Clouse (ASU), (\$4,739,729; Gupta funding \$660,394 [14%]), *Not Funded*
- **Midwestern State University Internal Teaching Grant**
 - *Using Ai Critically: Evaluating Mutiple Perspectives*, Accepted and funded **\$500**, Spring 2026 Intramural Teaching Grant
- **Midwestern State University Internal Research Grant**
 - *Examining the Impact of Summer Program for First-Generation Students and College Students*, Accepted and funded **\$5,694 in November 2023**
 - *STEAMing HOT Camp (Science, Technology, Engineering, Arts, and Mathematics Higher Order Thinking)*, Accepted and funded **\$6,485 in 2018**
 - *Why STEAM is HOT: Integrating Science, Technology, Engineering, Art, and Mathematics (STEAM) for Higher-Order Thinking (HOT) Skills*, Accepted and funded **\$3,298.00 in 2014**
- **EURECA and UGROW grants for undergraduate research**
 - Cali Barton, *Strategies to Increase Connections and Belonginess in Undergraduate and Graduate Courses*, Spring 2024
 - Elijah Hernandez, *Looking at Practices for Students' Engagement in STEM*, Summer 2023
 - Madeline Stanford, *PSTs Using Culturally Relevant Math Tasks: Framework to Critique Learning.*, Fall 2022
 - Molly Melloen, *Enhancing Culturally Relevant Math Tasks with Multicultural Literature*, Spring 2022
 - Micah Scotland and Brittany Clarke, *The Design and Development of an Effective Digital Mathematics Game*, Spring 2022 with Dr. Catherine Stringfellow
 - Brittany Clarke, *Assessing Effectiveness of Digital Mathematics Games*, Fall 2021 and Summer 2021
 - Rayna Turnbo, *Exploring Digital Math Games*, Spring 20220 and Summer 2020
 - Margaret Anderson, Aniya Harrelson, and Kristen Springette, *Examining Creativity in a STEAMing H.O.T. Camp*, Fall 2019
 - Amanda Latham and Connie Ginnings, *Pre-service Teachers' Noticing of Struggling Students' Mathematical Thinking*, Fall 2018 with Dr. Emily Rutherford
 - Frida Arredondo and Monserrath Garay, *From Margin to Center: Multicultural Picturebooks for Math, Science, and Social Studies*, Fall 2017 and Spring 2018, mentor with Mrs. Kelly Medellin

- Tamra Woods and Jocelyn Brown, *The Effect of STEM and STEAM units on Pre-service Teachers*, Fall 2016 and Spring 2017
 - Nikki Bussue and Melissa Whitwood, *Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections*, Fall 2015 and Spring 2016
 - Maegan Thurston, *Integrating Children's Literature in Elementary Math Methods: Fostering Understanding and Connections*, with Dr. Northrup, Spring 2015
 - Mario Giamporcaro, *Integrating Movement in Math Methods Course*, Spring 2015
- **Other Grants**
- TCTM (Texas Council of Teachers of Mathematics) grant for conference attendance for pre-service teachers, Awarded in 2020, **\$780**
 - Bryant Edwards Foundation, Collaboration between MSU and River Bend Nature Center, awarded in 2017, **\$1,500.00**
 - MSU TAIR award with undergraduate students, *Integrating Children's Literature in Elementary Math Methods: Fostering Understandings and Connections*, awarded in 2015, **\$500**.
 - Dorothy Kendall Bracken Award for Special Projects, *Mirror, Mirror*, awarded in 2014, **\$500**.
 - Travel Grants, Curriculum and Instruction Department (each semester), Baylor University, Waco, TX
 - Data Analyst for *Action Research and Its Impact on PDS Partnerships*, \$7460, Baylor University

F. Consultancies

Gupta, D. (Summer 2023). Road to College, Café Con Leche LLC

Gupta, D. (Summer 2022). Road to College, Café Con Leche LLC

Gupta, D. (June 2018). *Algebraic Thinking and Proportional Reasoning*. Presented at Region 9 Service Center

Gupta, D. (June 2017). *Algebraic Thinking and Proportional Reasoning*. Presented at Region 9 Service Center

Service

University

QEP Committee member, 2026-Present

US Prep Leadership group, 2024-Present

WCOEPS Assessment Committee, 2024-Present

WCOEPS, West Enrollment and Retention Committee, 2026-Present

Chair, Travel Committee, 2025-2026

College IRB Representative, 2021- 2025

Member, Value-based Communication Committee, 2021- 2023

Provost Search Committee, 2023

College T&P Committee, 2020- 2022

Member, QEP High Impact Practices, First-Year Adventure, 2021-2023

Member, University Readmission Committee, 2021-2022

Chair, Teaching and Learning Center (TLRC) Committee, 2017-2020

Member of TLRC Committee, 2016-2020

Member of the Academic Appeals Committee, 2017-2019

Campus Liaison for Texas Undergraduate Research Day at the Capitol (UGRD), 2017-2018

Library Research Committee, 2015- 2022

EURECA

- EURECA Grant Proposal Reviewer- Fall 2016, Fall 2017, Fall 2018, Spring 2019, Spring 2021, Spring 2022
- UGRCA Oral Presentation Evaluator- Spring 2015, Fall 2015, Spring 2016, Fall 2019, Spring 2020, Spring 2021, Spring 2022, Spring 2023
- UGRCA Poster Presentation Evaluator- Fall 2015, Spring 2016
- UGRCA Forum Moderator- Fall 2017

Evaluator for Celebration of Scholarship Graduate Oral Presentations- Spring 2017, Spring 2018, Spring 2020

MSU Student Recruitment Events

- College Round-up
- Discover MSU- Spring 2017, Spring 2018
- Mustang Rally – Spring 2015, Fall 2015, Fall 2017, Spring 2020, Fall 2022, Spring 2022
- Family Day- Fall 2014, Fall 2015, Fall 2016, Fall 2018, Fall 2029, Spring 2021, Spring 2021, Spring 2022, Spring 2023
- Part of Recruiting Group to Allen, TX, Spring 2015

Faculty Advisor for Student Organization

- Future Educators Association

- Kappa Delta Pi, 2017-Present

Organized Discover MSU Day on March 3rd, 2017 with Dr. Angela Cartwright

Invited to participate in the open forum at the MSU Museum of Arts (Museum Taskforce open forum on January 25th, 2017) to discuss ideas for the museum and university to collaborate and support each other in their respective missions

Participate in the *Math, Science, and U conference* organized by the College of Sciences and Mathematics for the public middle school girls attending the conference

- Volunteer, 2014-2023
- Plan lunch activities, 2015-2023

Attended University events

- MSU Texas and Italian Air Force partnership event, 2023
- Mustang Walk, 2021, 2022, 2023
- Comprehensive campaign plan to guide a seven-year, \$50 million fundraising effort of MSU and shared ideas to support the endeavor, Nov 18th, 2017
- Book Plating Ceremony and Reception honoring the faculty who have received tenure and/or advancement in professional rank at Midwestern State University, Nov 9th, 2016
- Attended visits to “Rhonda Blevins” and “Barbara Morgan” - candidates for the Coordinator of Sponsored Programs and Research position, in October 2016.
- Attended sessions with McAllister and Quinn grant writing group, 2014, 2016.

College/Departmental

Chair, WCOEPS Travel Committee, 2025-Present

Leadership Team, US Prep Residency program, 2024-present

West College of Education Retention and Enrollment committee, 2024- Present

WCOE IRB representative, 2021- Present

Conduct Study Sessions for students failing the EC-6 core certification test and 4-8 Math, Spring 2018-Present

Chair, WCOE Scholarship Award Committee, 2023- Present

Member, West College of Education, Core Values Committee, 2022- Present

Member, WCOE Tutoring and The Intervention Committee, 2021- Present

Member, Fitness Alert Committee, 2022- Present

Texas Association of Future Educators (TAFE) Conference Planning Committee member, 2023

WCOE Advisory Committee of Program Quality- Fall 2016-2022

WCOE College Research Committee- Fall 2016-2019

Member, West College of Education- CAEP Standard Five Committee Member, Fall 2017-2019

West College of Education- Alternative Certification Committee Member, Spring 2016- 2018

Regularly conduct Haberman interviews with other faculty members to admit students into the teacher education program- Spring 2014- Present

Committee Member of MSU TAIR (Texas Association for Improvement of Reading) for WCOE, 2015- 2020

Data Analysis and program reports for 4-8 and 7-12 Mathematics, SACS and NCATE- Fall 2010-Present

WCOE Search Committees

- WCOE Director of Accreditation Search Committee, Spring 2025
- WCOE Science Instructor Search committee, Spring 2025
- WCOE Social Studies/ Science Instructor Search Committee, Summer 2024
- WCOE Science Instructor Search Committee, Fall 2021
- WCOE Math Instructor Search Committee, Summer 2021
- WCOE Social Studies Instructor Search Committee, Summer 2018
- WCOE Science Instructor Search Committee, Summer 2016
- WCOE Social Studies Instructor Search Committee, Summer 2016
- WCOE Reading Faculty Search Committee, Fall 2015

WCOE Student Thesis Committee

- Autumn Fredline, *How does the use of student choice projects impact learning of English as a second language in lower secondary students?* 2026
- Jaicee Sawyer, *The Use of Differentiated Student-led Choice Worksheets in an Eight-grade Classroom and the Effect on Student Math Test Scores*, 2024
- Veronica Deneumostier, *The Value of Bilingual Education for English-Speaking Students*, 2024
- Heather Crowley, *Mathematical Writing or Mathematical Typing: Which is Better for Student Problem Solving Performance*, 2023
- Kelsey Chapman, *Access to Dental Hygiene Training for Students in America*, 2022
- Christina Shubert, Master's thesis on *Supporting New Teachers Through Reading Specialists*, 2017
- Shasta Smith, Master's Thesis on *The Effects of Graphic Organizers on Reading*

Comprehension, 2017

WCOE Ed.D Student Dissertations

- Holly Lucas, *The process to fill teacher vacancies within districts and hard-to-fill educational positions*, Current
- Summer Bynum, *How does the use of effective study skills and habits impact student learning?*, 2024

West College of Education- CAEP Standard Two Committee Member, Fall 2014-2017

Conducted reliability training analyzing the CAEP data for the faculty to achieve reliability for the key assessments of WCOE with Dr. Suzanne Lindt in 2019

Part of the Recruiting Group to Lubbock, TX at the regional Texas Association of Future Educators (TAFE) Teach Tomorrow Summit- Spring 2015.

Evaluation of Teacher Work Samples or Impact on Student Learning Assessments, 2015 and 2018.

Volunteered to attend the Digital Day in collaboration with WFISD to promote and showcase technology used in partnering schools, 2017, 2018

Attended the “Reading is Power”, to represent the West College of Education at the 4th Annual Educational Banquet, 2017

Attended Honors Banquet, 2017

A. **Professional**

Board member, Secretary, Association of Mathematics Teacher Educators, 2025-Present

Board member, Treasurer, Research Council of Mathematics Learning, 2024-Present

Editorial Board, Associate Editor, Texas Chapter of Association of Mathematics Educators, 2024-Present

Board member (CAMT Liaison-on for Texas Council of Teachers of Mathematics), 2021-Present

Editorial Board, Copy Editor, Texas Chapter of Association of Mathematics Educators, 2023-2024

Board Member- Chair Nominations and Elections Committee, School Science and Mathematics Association, 2021-2024

Vice President of Conferences, AMTE-TX (Texas Chapter of Association of Mathematics Teacher Educators), 2019- 2022.

VP of Conferences, Texas Chapter of Association of Mathematics Teacher Educators (AMTE-TX), 2019- Present

Council for Accreditation of Educator Program, Specialized Program Reviewer (SPA) for National Council of Teachers of Mathematics

- Lead SPA Reviewer, 2017
- SPA Reviewer, 2019

AMTE-TX (Association of Teacher Educators-Texas)

- Proposal Reviewer, 2015-Present
- Reviewer for the LINK, the online journal for the AMTE-TX organization
- Served on Publicity Committee – 2016- Present
- Served on Conference Committee, 2015, 2016

Manuscript Reviewer

- Texas Mathematics Teacher, 2017-Present
- Mathematics Teacher Educator, 2021-Present
- Investigations in Mathematics Learning, 2019-Present
- Mathematics Teacher: Learning and Teaching Pre-K–12, 2015-Present
- Ohio Journal of School Mathematics, 2023- Present
- Action in Teacher Education, 2023-Present
- Teaching Children Mathematics, 2015-2020
- Mathematics Teaching in the Middle School, 2015-2020
- Mathematics Teacher, 2015-2020
- Curriculum and Teaching Dialogue, 2014-2020
- Educational Research for Policy and Practice, 2019
- Journal of Research in Childhood Education, 2010-2013

Proposal Reviewer

- North American Chapter for the International Group on Psychology for Mathematics Education, PMENA, 2019- Present
- Association of Mathematics Teacher Educators (AMTE), 2016 –Present
- Association of Mathematics Teacher Educators, 2016-Present
- School Science and Mathematics Association, 2018-Present
- Texas Chapter of Association of Mathematics Teacher Educators, 2017-Present
- American Educational Research Association, 2013, 2016, 2022- Present
- Reviewer for the PMENA conference, 2016, 2017
- National Council of Teachers of Mathematics (NCTM) Research Conference Proposals, 2016
- Southwest Educational Research Association (SERA) conference, 2014 - 2020
- Texas Chapter of Action in Teacher Education, 2018

Conference Volunteer for the Texas Council of Teachers of Mathematics (TCTM) and National Council of Teachers of Mathematics (NCTM)

Website Designer for Central Texas Council of Teachers of Mathematics (CTCTM), 2008-2016.

Teaching and Learning Resources Council Presentation to MSU faculty, Fall 2015

Wrote recommendation letter for tenure for Dr. Marsha Sowell, Texas A&M University—Kingsville

B. Community

Treasurer, West Foundation Elementary PTO, 2022- Present

President, West Foundation Elementary PTO, 2021- 2022

Board member, West Foundation Elementary PTO, 2019-2020

Board member, School for Little People, PTO. 2018-2020.

Board member, Wichita Falls Adult Literacy Council, 2019- 2020.

Board member for River Bend Nature Center, 2016-2021

- Volunteer at events Not-so-Scary Halloween
- Volunteer at Electric Critters
- Volunteer for other events towards increasing membership of the organization

Workshop at the Wichita Falls Public Library on “Coding Beginnings for Ages 4-6 with Code-a-pillar” on Nov 29th and Dec 6th, 2017

Board member (MSU Faculty Liaison) for Head Start, Wichita Falls, TX, 2016-2017

Participated in community clean-up for Sikes Lake Center, 2015

School of Little People Parent-Teacher Organization

- Volunteer at Anniversary Celebration, 2017, 2018
- Volunteer for making 100 Scholastic Reading Flyers,
- Participated in Park Day Clean, 2015

Volunteer for Read2Learn program at Scotland Park Elementary School, 2014-2015

Organized for MSU students to participate and judge Wichita Falls Independent School District MacGyver STEAM fair on Jan 26th, 2017

Awards and Honors

2025 - Nominated for the West College of Education and Professional Studies (WCOEPS) Research Scholar Award

2024 - Invited to Bucknell University, PA for their Distinguished Visiting Professor Program

2023 - Nominated for the West College of Education (WCOE) Distinguished Faculty Scholar

Award

2023 - Invited as guest speaker for an International

2023 - Reappointed as the CAMT representative on the Texas Council of Teachers of Mathematics (TCTM) board

2023 - Appointed as the Copy-editor for the 2021 – West College of Education Nominee for the Piper Professor Award

2022 - Nominated for the WCOE Distinguished Teaching Award

2022 - Invited for a podcast with my colleagues for the article, “Continuous Improvement Lesson Study: A Model for MTE Professional Development”

2021 – Midwestern State Nominee for the Piper Professor Award

2021 - Won the WCOE Distinguished Faculty Scholar Award

2021 - Gordon T. & West College of Education, Excellence in Scholarship Nominee

2020 – Nominated and elected on the Board of Directors for the School Science and Mathematics Association for the 2021-2024 term.

2019 – Elected as the Vice-President of Conferences for the Texas Chapter of the Association of Mathematics Teacher Educators (AMTE-TX)

2019 - Part of the Dinner and Learning with Math Educators for Center of Research in Mathematics and Science Education, San Diego Math project, CA.

2018 – Invited to conduct a 6-hour math workshop at Region 9 for area teachers

2017 – Invited National Presentation *Using lesson study to grow our practice and our students' learning* at Bucknell University, Lewisburg, Pennsylvania

2017 - MSU Liaison-on as the faculty advisor for the Austin trip

2017 - Research chosen to represent MSU at the Texas Undergraduate Day at the Capitol

2017 - Student-selected Sponsor for Alpha Chi Induction, University Honor Society

2017 – Invited to conduct a 6-hour math workshop at Region 9 for area teachers

2016 - Student-selected Sponsor for Alpha Chi Induction, University Honor Society

Spring 2016 - President's award for EURECA project, “*Integrating Children's Literature in*

Elementary Math Methods: Fostering Understandings and Connections” with undergraduate students Nikki Bussue and Melissa Whitwood.

2015 – Early Career Scholar Award for Outstanding Dissertation from SSMA (School Science and Mathematics Association) titled *Early Elementary Students’ Fractional Understanding: Examination of Cases from a Multi-Year Longitudinal Study*

2015 - Chosen as one of the 32 early career mathematics education faculties to be part of the STaR Program (Service, Teaching, and Research) in Mathematics education through a grant from NSF to the Association of Mathematics Teacher Educators (AMTE).

2014 - Student-selected Sponsor for Alpha Chi Induction, University Honor Society

2014 - Dorothy Kendall Bracken Award for Special Projects, \$500.

2014 - Nominated to represent the School of Education and C&I to the SOE Advisory Council, Baylor University, Waco, TX.

2013 - Part of the group presented with “Award for Excellence in Integrating Math and Science” for the project *GEARing UP for Success through Integrating Mathematics and Science* at School Science and Mathematics Association, San Antonio, TX,

2011 and 2009 - District Awards for Teacher Excellence and received.

2009-2010 - Awarded the Bowden Award for one of the five best teachers of the school year.