TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Hiroko K. Warshauer Title: Professor

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2011	University of Texas at Austin	Mathematics Education	The Role of Productive Struggle in Teaching and Learning Middle School Mathematics
MS	1976	Louisiana State Univ A&M College	Mathematics	Witt Groups of Order 64 and 128
BA	1974	University of Chicago	Mathematics	

C. University Experience

Position	*University*	*Comments*	*Dates*
Professor, Mathematics	Texas State University. San Marcos, United States		September 1, 2025 - Present
Associate Professor, Mathematics	Texas State University. San Marcos		September 2019 - August 31, 2025
Assistant Professor, Mathematics	Texas State University		2013 - 2019
Senior Lecturer, Mathematics	Texas State University		2006 - 2013
Lecturer, Mathematics	Texas State University		1984 - 2006
Instructor, Mathematics	Texas State University		1979 - 1984
Instructor, Mathematics	Louisiana State University. Baton Rouge, LA, United States		1976 - 1979

II. TEACHING

A. Teaching Honors and Awards:

Award / Honor Recipient: Mathematics Department Award for Excellence in Teaching, Department of Mathematics.
December 2022

December 2014

Award / Honor Recipient: Finalist in the 2021 Rosenthal Prize for Innovation and Inspiration in Math teaching, National Museum of Mathematics.
August 2021 - October 2021

Additional Comments: One of the finalists in the competition. Lesson prepared with graduate student, Holly Zolt.

Award / Honor Recipient: College of Science and Engineering Achievement Award for the Presidential Award for Excellence in Teaching.
August 2015

B. Courses Taught:

Texas State University:

MATH 1315 - COLL ALGEBRA

MATH 1329 - MATH BUS & ECO II

MATH 2301 - INFORMAL GEOM

MATH 2311 - PRINC OF MATH I

MATH 2311 - PRINCIPLES OF MATHEMATICS I

MATH 2312 - INFORMAL GEOMETRY

MATH 2321 - CALC LIFE SCI I

MATH 2321 - CALCULUS FOR LIFE SCIENCES I

MATH 2331 - CALC LIFE SCI II

MATH 2363 - ANALY GEOMETRY

MATH 2417 - PRE-CALCULUS MATH

MATH 4302 - PRINC OF MATH II

MATH 4304 - CAP MATH SEC TCHR

MATH 4311 - INTRO HIST MATH

MATH 5272A - GEOMETRY THROUGH PROB SOLVING

MATH 5272B - GAMIFICATION IN TEACHING MATH

MATH 5472A - HUNGARIAN METHOD IN MATH ED

MATH 7324 - CURR DSGN & ANLYS

MATH 7328 - INSTR TECH & ASSMT

MATH 7356B - ADV QUALITVE RSRCH

MATH 7386 - INDPNT STDY MTH ED

MATH 7389 - INTERNSHIP

MATH 7599A - DISSERTATION

MATH 7699A - DISSERTATION

MATH 7999A - DISSERTATION

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Member, Dissertation, "Modeling Life on the Move: How Universities Adapt One Mathematics Curriculum Across Institutional Contexts", Status: Proposal. (August 2026 - Present). Mathematics, Texas State University.
Student(s): Callie Angel, Doctoral, Mathematics Education.

Member, Dissertation, "Four Students, Six Weeks: an Ethnographic Study of Mathematical Cultue at an Informal Summer Mathematics Program", Status: Proposal. (June 2026 - Present). Mathematics, Texas State University.
Student(s): Grace Morrell, Doctoral, Mathematics Education.

Supervisor / Chair, Dissertation, "Exploring Mathematical Microaffirmations and Mathematical Microaggressions through Preservice Teachers' Perspectives", Status: Proposal. (May 2026 - Present). Mathematics, Texas State University.
Student(s): Stephanie Tarigan, Doctoral, Mathematics Education.

Member, Dissertation, "Exploring Instructors' Perceptions of the Roles of Calculus in Client Disciplines and How these Perceptions Shape their Content and Pedagogical Choices: A Qualitative Inter-Disciplinary Study of Calculus, Physics, and Engineering Instructors' Perceptions", Status: Proposal. (November 2025 - Present). Mathematics, Texas State University.
Student(s): Usufu Nyakoojo, Doctoral, PhD.

Additional Comments: Usufu Nyakoojo

Supervisor / Chair, Dissertation, "Teachers' Positioning of Students as Math Doers and its Influence on Their Teaching Moves in Ghanaian Elementary Schools", Status: Completed. (August 2024 - May 2026). Mathematics, Texas State University.
Student(s): Joy Nsiah Asante, PhD.

Additional Comments: Joy Nsiah Asante

Member, Dissertation, "A Systematic Review of Productive Struggle Definitions and an Investigation of Prospective Teacher Mathematical Struggle During a Whole-Class Discussion", Status: In Progress. (June 2024 - May 2026). Mathematics, Western Michigan University.
Student(s): Nitchada Kamlue, PhD.

Additional Comments: Nitchada Kamlue

Supervisor / Chair, Dissertation, "Slowing down the instructional pace: Investigating the impact of a low-time commitment active learning strategy on students' participation and achievement in college precalculus classes", Status: Completed. (August 17, 2022 - May 2026). Mathematics, Texas State University.
Student(s): Zafer Buber, Doctoral, PhD in Mathematics Education.

Member, Dissertation, "Investigating Students' Interpretations of a Variable through the TI-84 STO Function", Status: Completed. (August 2024 - May 15, 2026). Mathematics, Texas State University.
Student(s): Marissa Mascorro, PhD.

Additional Comments: Marissa Mascorro

Member, Dissertation, "Extending a Teacher Responding Framework to University Pre-calculus Classrooms", Status: Completed. (February 2025 - December 13, 2025). Mathematics, Texas State University.
Student(s): Paxton Smith, Doctoral, Mathematics Education.

Additional Comments: Paxton Smith

Member, Dissertation, "Understanding the Learning Experiences and Persistence of International Students in STEM: An Exploration of One Institutional Context", Status: Completed. (January 2023 - June 2025). Mathematics, Texas State University.
Student(s): Abigail Quansah, Doctoral, Mathematics Education.

Additional Comments: Abigail Quansah

Member, Dissertation, "Undergraduate Developmental Mathematics Students' Fraction Understandings", Status: Completed. (November 2022 - June 2025). Mathematics, Texas State University.

Student(s): Lucinda Ford, Doctoral, PhD in Mathematics Education.

Additional Comments: Lucinda Ford

Member, Dissertation, ""Adult Learners" Informal Thinking and its Impact on Their Formal Understanding of College Algebra", Status: Completed. (November 2022 - August 2024). Mathematics, Texas State University.
Student(s): James Mendoza, PhD in Mathematics Education.

Supervisor / Chair, Dissertation, "The mediating role of teacher expectancy on participation in mathematics whole class discussions", Status: Completed. (May 23, 2022 - August 2023). Mathematics, Texas State University.
Student(s): Mehmet Kirmizi, Doctoral, PhD.

Supervisor / Chair, Dissertation, "Elementary Preservice Teachers' Conceptions of and Reflections on Student Autonomous Problem-Solving and Mathematical Practices", Status: Completed. (2016 - July 2020). Mathematics, Texas State University.
Student(s): Christina Koehne, Doctoral, PhD.

Supervisor / Chair, Dissertation, "Exploring the Instructional Coherence of Introduction to Fractions in Chinese Classrooms", Status: Completed. (2016 - July 2020). Mathematics, Texas State University.
Student(s): Xiaowen Cui, Doctoral, PhD.

Supervisor / Chair, Dissertation, "Exploring Prospective Elementary Teacher's Peer-Interviewer Verbal Interactions in a Mathematics Content Course", Status: Completed. (2016 - May 2020). Mathematics, Texas State University.
Student(s): Teresa Salazar, Doctoral, PhD.

Member, Dissertation, "A comparative study of middle school mathematics teachers' pedagogical content knowledge and belief towards teaching between the U. S and China", Status: Completed. (2016 - 2019). Mathematics, Texas State University.
Student(s): Zhaochen Song, Doctoral, PhD.

Member, Dissertation, "Investigating how an Informal Summer Program Sustains Teachers in their Profession", Status: Completed. (2013 - August 2018). Mathematics, Texas State University.
Student(s): Sonalee Bhattacharyya, Doctoral, PhD.

Member, Dissertation, "Factors that arise in the transition from the Montessori Method to a Traditional Method: A fourth grade math view", Status: Completed. (2015 - 2017). Mathematics, Texas State University.
Student(s): Zachariah Hurdle, Doctoral, PhD.

Member, Dissertation, "Tracing Educational and Career Trajectories of Former Participants of an Informal Summer Mathematics Program", Status: Completed. (August 2014 - August 2016). Mathematics, Texas State University.
Student(s): Nama Namakshi, Doctoral, PhD.

Member, Dissertation, "Reflective Journaling as a Tool to Support Learning Mathematical Proof", Status: Completed. (August 2014 - May 2016). Mathematics, Texas State University.
Student(s): Christina Starkey, Doctoral, PhD.

Member, Dissertation, "Cases of Noticing in Linguistically Diverse Mathematics Classrooms", Status: Completed. (August 2014 - May 2016). Mathematics, Texas State University.
Student(s): Rachel Bower, Doctoral, PhD.

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

Warshauer, Max L (Principal), Warshauer, Hiroko K (Co-Principal). Mathworks-Summer STEM Funding Hub, Summer STEM Funding Hub, Private / Foundation / Corporate, $66,400.00. (Funded: June 2017 - August 2017). Grant.

Warshauer, Max L (Principal), Warshauer, Hiroko K (Co-Principal). Mathworks-Sid W. Richardson, Sid W. Richardson Foundation, Private / Foundation / Corporate, $45,000.00. (Submitted: January 13, 2017, Funded: June 1, 2017 - August 1, 2017). Grant.

Warshauer, Hiroko K (Principal), Warshauer, Max L (Co-Principal). Mathworks-Meadows, Meadows Foundation, Private / Foundation / Corporate, $75,000.00. (Submitted: January 3, 2017, Funded: June 1, 2017 - August 1, 2017). Grant.

F. Other:

Continuing Education, 2021 Professional Development Learning Resource Writing Workshop, Texas Mathworks. San Marcos, TX, United States. 10. (June 7, 2021 - June 18, 2021).

Continuing Education, 2020 Mathworks Master Teachers' Professional Learning Resource Project Workshop, Texas Mathworks. (virtual), TX, United States. 15. (June 8, 2020 - June 19, 2020).

Curriculum Research and Development Project, 2021 Mathworks Graduate Student Research Projects Workshop, Texas Mathworks. San Marcos, TX, United States. 3. (June 7, 2021 - June 18, 2021).

Curriculum Research and Development Project Workshop, 2020 Mathworks Graduate Student Research Projects Workshop, Texas Mathworks. (virtual), TX, United States. 6. (June 8, 2020 - July 3, 2020).

Seminar, 2024 Mathworks Graduate Student Research Seminar, Texas Mathworks. San Marcos, TX, United States. 5. (May 28, 2024 - June 26, 2024).

Seminar, Mathworks Fellows Seminar, Texas Mathworks. San Marcos, United States. 24. (June 2, 2024 - June 13, 2024).

Seminar, 2023 Mathworks Graduate Student Research Seminar, Texas Mathworks. San Marcos, TX, United States. 5. (May 30, 2023 - June 28, 2023).

Seminar, Mathworks Fellows Seminar, Texas Mathworks. San Marcos, TX, United States. 24. (June 4, 2023 - June 15, 2023).

Seminar, Mathworks Fellows Seminar, Texas Mathworks. San Marcos, TX, United States. 21. (June 6, 2022 - June 17, 2022).

Seminar, Mathworks Fellows Seminar, Texas Mathworks. San Marcos, TX, United States. 23. (June 10, 2019 - June 21, 2019).

Seminar, Mathworks Fellows Seminar, Texas Mathworks. San Marcos. 22. (June 4, 2018 - June 15, 2018).

Seminar, Mathworks Fellows Seminar, Texas State Mathworks/Department of Mathematics. San Marcos, TX, United States. 22. (June 5, 2017 - June 16, 2017).

Seminar, Mathworks Fellows Seminar, Texas Mathworks. San Marcos, TX, United States. 24. (June 6, 2016 - June 17, 2016).

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

b. Textbooks:

Refereed:

Warshauer, M. L., White, A., McCabe, T., & Warshauer, H. K. (2016). *Algebra*. Champaign, IL, United States: Stipes Publishing.

Additional Comments: reviewed by TEA

Warshauer, H. K., McCabe, T. W., & Warshauer, M. L. (2016). *Math Explorations Part 1* (5th ed.). Champaign, IL, United: Stipes Publishing.

Additional Comments: reviewed by TEA

McCabe, T., Warshauer, H. K., & Warshauer, M. (2016). *Math Explorations Part 2* (5th ed.). Champaign: Stipes Publishing.
Additional Comments: reviewed by TEA

d. Chapters in Books:

Refereed:

Warshauer, M. L., McCabe, T., Sorto, M. A., Strickland, S., Warshauer, H. K., & White, A. (2010). Equity. In M. Saul, S. Assouline, & L. J. Sheffield (Eds.), *The Peak in the Middle: Developing mathematically gifted students in the middle grades* (pp. 155 – 170). San Marcos, United States: NCTM.

e. Creative Books:

Warshauer, M. L., Warshauer, H. K., & McCabe, T. W. (2017). *Math Quest 1* (6th ed., pp. 1–161). Champaign, IL, United States: Stipes Publishing.

Warshauer, H. K., McCabe, T. W., & Warshauer, M. L. (2017). *Math Quest 2* (6th ed., pp. 1–95). Champaign, IL, United States: Stipes Publishing.

McCabe, T., Warshauer, M., & Warshauer, H. K. (2017). *Math Quest 3* (6th ed., pp. 1–125). Champaign, IL: Stipes Publishing.

Warshauer, M. L., Warshauer, H. K., McCabe, T. W., Starkey, C., Koehne, C., Namakshi, N., & Bhattacharyya, S. (2017). *Math Quest 5* (6th ed., pp. 1–125). Champaign, IL: Stipes Publishing.

2. Articles:

a. Refereed Journal Articles:

Patterson, C., Koehne, C., Warshauer, H. K., Cui, X., Bhattacharyya, S., & Warshauer, M. (Published). Examining professional development grounded in collaborative teaching: Resources that inservice and preservice teachers contribute to analysis of practice. *Journal of Mathematics Teacher Education*.
JMTE 2025 status-1.pdf
Patterson et al - Examining professional development grounded in collaborative teaching-1.pdf
Additional Comments: This manuscript has been recommended for acceptance pending minor revisions as of September 2025. See attachment.

Wrightsman, E. M., Swartz, M. A., & Warshauer, H. K. (2023). Hints as Scaffolds to Build Students' Problem-Solving Skills. *Texas Mathematics Teacher*, *LXIX*(2).

Warshauer, H. K., Herrera, C., Smith, S., & Starkey, C. (2023). Examining Preservice Teachers' Noticing of Equity-based Teaching Practices to Empower Students Engaging in Productive Struggle. *Journal of Mathematical Behavior*, *70*. Published. https://doi.org/https://doi.org/10.1016/j.jmathb.2023.101045

Hicks, M., Warshauer, H. K., & Warshauer, M. L. (2022). Gifted Black Girls' Perceptions of Support Provided by a Summer Math Camp. *The High School Journal*, *106*(1), 37–54.

Namakshi, N., Warshauer, H. K., Strickland, S., & Hickman, L. (2022). Investigating Preservice Teachers' Assessment Skills: Noticing and Analyzing Student Thinking in Elementary and Middle-School Students' Written Work. *School Science and Mathematics*, *122*(3), 142–154. https://doi.org/DOI:10.1111/ssm.12522
SSM_2022-1.pdf

Warshauer, H. K., Starkey, C., Herrera, C., & Smith, S. (2019). Developing Preservice Teacher's Noticing and Notions of Productive Struggle with Video Analysis in a Mathematics Content Course. *Journal of Mathematics Teacher Education*, *24*(1), 89–121. https://doi.org/DOI 10.1007/s10857-019-09451-2
JMTE_2019_10.1007_s10857-019-09451-2 (1)-1.pdf
Additional Comments: Issue Date February 2021

Starkey, C., Warshauer, H. K., & Warshauer, M. L. (2019). Journaling to Support Student Learning: Case of an Elementary Number Theory Course. *The Mathematics Enthusiast*, *16*(1). Retrieved from https://scholarworks.umt.edu/tme/vol16/iss1/25
https://scholarworks.umt.edu/tme/vol16/iss1/25

Couvillion, E. B., Cui, X., Warshauer, H. K., & Koehne, C. (2018). Collaboratively engaging with GCFs and LCMs. *Mathematics Teaching in the Middle School*, *24*, 53–58.
mtms2018-09-053a_GCF_LCM-1.pdf

Ortiz, A. M., Amaya, L. R., Warshauer, H. K., Torres, S. G., Scanlon, E., & Pruett, M. (2018). They Choose to Attend Academic Summer Camps? A Mixed Methods Study Exploring the Impact of a NASA Academic Summer Pre-Engineering Camp on Middle School Students in a Latino Community. *Journal of Pre-College Engineering Education Research (JPEER)*, *8*(2), 22–30. Retrieved from https://docs.lib.purdue.edu/jpeer/vol8/iss2/3 https://docs.lib.purdue.edu/jpeer/vol8/iss2/3
Ortiz_Amayo_Warshauer2018-1.pdf

Namakshi, N., Warshauer, H., Bhattacharyya, S., Koehne, C., & Warshauer, M. L. (2018). Tortoise and the Hare: Investigating Rates. *Mathematics Teaching in the Middle School*, *23*(May), 399–403. Retrieved from www.nctm.org www.nctm.org

Couvillion, E. B., Cui, X., Namakshi, N., Warshauer, H. K., & Koehne, C. (2018). Abacus Interactive. *Mathematics Teaching in the Middle School*, *23*(March), 288–297.

Bhattacharyya, S., Namakshi, N., Zunker, C., Warshauer, H. K., & Warshauer, M. H. (2016). Mystery Fractions. *Mathematics Teaching in the Middle School*, *22*(August), 52–59.

Warshauer, H. K. (2015). Productive Struggle in Middle School Mathematics Classrooms. *Journal of Mathematics Teacher Education*, *18*(4), 375–400. https://doi.org/10.1007/s10857-014-9286-3

Warshauer, H. K. (2015). Strategies to Support Productive Struggle. *Mathematics Teaching in the Middle School*, *20*(7), 390–393.

Sorto, M. A., McCabe, T., Warshauer, M., & Warshauer, H. K. (2009). Understanding the value of a question: an analysis of a lesson. *Journal of Mathematical Sciences and Mathematics Education*, *4*(1), 50–60.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Lee, H. Y., Warshauer, H. K., Angel, C., & Ford, L. (2025). Prospective teachers' coordination of fractions on number lines and their analyses of student video

episodes. In *Proceedings of the 15th International Congress of Mathematics Education (ICME 15)*. Australia.

Starkey, C. M., Herrera, C. A., Smith, S., & Warshauer, H. K. (2024). Preservice teachers' justifications of mathematical struggle evaluations. In *Proceedings of the 15th International Congress of Mathematics Education (ICME 15)*. Australia.
ICME15_TSG4.7_Paper_Starkey_etal-1.docx

Warshauer, H. K., Warshauer, M. L., Guajardo, L., & Zolt, H. (2024). Tasks designed to pique student interests: Using non-mathematical topics to engage students in mathematics. In *Proceedings of the 15th International Congress of Mathematics Education (ICME 15)*. Australia.
ICME15_task3.11_Submit-1.pdf

Herrera, C. A., Smith, S., Starkey, C. M., & Warshauer, H. K. (Accepted / In Press). Exploring preservice teachers' noticing of leveraging prior knowledge to support productive struggle. In *Proceedings of the 15th International Congress of Mathematics Education (ICME 15)*. Australia.

Song, Z., Sorto, M. A., & Warshauer, H. K. (2020). THE RELATION BETWEEN TEACHERS' BELIEFS ABOUT TEACHING AND PEDAGOGICAL CONTENT KNOWLEDGE: CASES OF CHINESE MIDDLE SCHOOL CLASSROOMS.

Anthony, M., Jarry-Shore, M., Goldsmith-Markey, L. T., Valerio, J., Warshauer, H. K., & Kamlue, N. (2024). Productive struggle in mathematics education research, teaching, and learning working group. In *Proceedings of the forty-sixth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 2110–2112). Kent, Ohio, USA: Kent State University.

Namakshi, N., Warshauer, H. K., Sorto, M. A., & White, A. (2024). Investigating prospective teachers' assessment of student thinking and their mathematical knowledge for teaching. In *Proceedings of the forty-sixth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Kent, Ohio, USA: Kent State University.
PMENA2024_Assessment_Unblinded_Submit-1.docx

Acevedo, C., Gaspard, B. R., Smith, P., & Warshauer, H. K. (2024). Navigating participation through communication: Insights from group roles in a graphing task. In *Proceedings of the forty-sixth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Kent, OH, USA: Kent State University.
Participation_PMENA 2024_unblinded (submission)-1.docx

Guajardo, L. R., Zolt, H. M., Warshauer, H. K., & Warshauer, M. L. (2023). Piquing student interests: Using voting to engage students in mathematics. In *Proceedings of the 45th annual meeting of PMENA* (Vol. 1, pp. 934–938). Reno, NV, USA: University of Nevada.

Starkey, C., Herrera, C., Smith, S., & Warshauer, H. K. (2022). Examining video selections that focus prospective teachers' noticing of student resources to support productive struggle. In *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1338–1339). Nashville, TN, United States: Middle Tennessee.

Smith, S., Herrera, C., Warshauer, H. K., & Starkey, C. (2021). Developing Preservice Teachers' Noticing of Equitable Practices to Empower Students Engaging in Productive Struggle. In *Proceedings of the 43rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 963–967). Philadelphia, PA, United States.

Patterson, C. L., Warshauer, H. K., & Warshauer, M. L. (2021). Resources that preservice and inservice teachers offer in collaborative analysis of student thinking (pp. 1682–1686).
Patterson Warshauer Warshauer (2021) - Resources that preservice and inservice teachers offer in collaborative analysis-1.pdf

Herrera, C., Starkey, C., Smith, S., & Warshauer, H. K. (2019). Exploring Preservice Teachers' Noticing of Resources that Support Productive Struggle and Promote Equity. In *Proceedings of the 41st Annual Meeting of PME-NA*. St. Louis, MO, USA: University of Missouri.

Hicks, M. D., Warshauer, H. K., & Warshauer, M. L. (2018). Development of Mathematics Competence, Identity, and Sense of Belonging to a Community of Mathematics Learners. In *Proceedings of the 40th Annual Meeting of the PME_NA* (pp. 962–965). Greenville, SC, USA: University of South Carolina & Clemson University.

Ortiz, A. M., Warshauer, H. K., Torres, S. L., & Amaya, L. R. (2018). The influence of early STEM career exploration as related to motivation and self-determination theory. In *Proceedings of the ASEE*. Salt Lake City, UT, USA.

Warshauer, H. K., Herrera, C., Starkey, C., & Smith, S. (2017). Developing Preservice Teacher's Understanding of Productive Struggle. In E. Galindo & J. Newton (Eds.), *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 893–896). Indianapolis, IN, United States: Hoosier Association of Mathematics Teacher Education.

PMENA 39 2017 Proceedings-2.pdf

Warshauer, H. K., Namakshi, N., Bhattacharyya, S., & Zunker, C. (2016). Developing Preservice Teacher Noticing of Productive Struggle. In M. B. Wood, E. E. Turner, & M. Civil (Eds.), *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 917–920). Tucson, AZ, USA: The University of Arizona.

Warshauer, H. K., Strickland, S., Namakshi, N., Hickman, L., & Bhattacharyya, S. (2015). Development of Preservice Teacher Noticing in a Content Course. In T. Bartell, K. Bieda, R. Putnam, K. Bradfield, & H. Dominguez (Eds.), *Proceedings of the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 972–975). East Lansing, MI, USA: Michigan State University.

Starkey, C., Warshauer, H. K., & Warshauer, M. (2015). Using Journals to Support Learning: Case of Number Theory and Proof. In T. Bartell, K. Bieda, R. Putnam, K. Bradfield, & H. (Eds.), *The Proceedings of the 37th Conference of the North America Chapter of the Psychology of Mathematics Education* (p. 1013). East Lansing, MI, US: Michigan State University.

Starkey, C., Warshauer, H., & Warshauer, M. (2015). Using Journals to Support Student Learning: The Case of an Elementary Number Theory Course. In T. Fukawa-Connelly, N. Infante, K. Keene, & M. Zandieh (Eds.), *Proceedings of the 18th Annual Conference on Research in Undergraduate Mathematics Education* (pp. 977–979). Pittsburgh, PA, United States.

Warshauer, H. K., Strickland, S., Hickman, L., & Namakshi, N. (2014). Relating Preservice Teacher Noticing with Mathematical Knowledge for Teaching. In S. Oesterle, N. Nicol, P. Liljedahl, & D. Allan (Eds.), *Proceedings of the 38th Conference of the International Group for the Psychology of Mathematics Education and the 36th North America Chapter of the Psychology of Mathematics Education* (Vol. 6, p. 262).

Warshauer, H. K. (2012). The Role of Productive Struggle in Teaching and Learning Middle School Mathematics. In L. Van Zoest, J.-J. Lo, & J. L. Kratky (Eds.), *Proceedings of the 34th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 254–257). Kalamazoo, MI, USA: Western Michigan University.

10. Other Works in Print:

Cited Unpublished Dissertations:

Warshauer, H. K. (2014). The Role of Productive Struggle in Teaching and Learning Middle School Mathematics. In *Principles to Actions: Ensuring Mathematical Success for All* (p. 48). Reston, VA: National Council of Teachers of Mathematics (NCTM). Retrieved from http://www.nctm.org/uploadedFiles/2014ResearchProgramBook.pdf http://www.nctm.org/uploadedFiles/2014ResearchProgramBook.pdf
Additional Comments: The University of Texas at Austin, Austin (2011)

Encyclopedia Entries:

Warshauer, H. K., & Warshauer, M. (2001). Algorithms. In L. Grinstein & S. I. Lipsey (Eds.), *Encyclopedia of Mathematics Education*. New York, United States: RoutledgeFalmer.

Warshauer, H. K., & Warshauer, M. (2001). Nature of Mathematics. In L. Grinstein & S. I. Lipsey (Eds.), *Encyclopedia of Mathematics Education*. New York: RoutledgeFalmer.

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

Namakshi, N. (presenter), Warshauer, H. K. (author), MAA Mathfest, "Relating Aspects of Noticing and Content Knowledge for Assessing Student Thinking in Written Work," Mathematics Association of America, Boston Marriott Copley Place, Boston, MA, United States. (August 2026).

Warshauer, H. K. (Presenter), Namakshi, N. (Presenter), National Council of Teachers of Mathematics 2024 Annual Meeting & Exposition, "Relating aspects of Noticing and Content Knowledge for Assessing Student Thinking in Written Work," NCTM, McCormick Place, Chicago, IL. (September 28, 2024).

Warshauer, H. K., Warshauer, M. L. (presenter/author), Guajardo, L. R. (Author), Zolt, H. (Author), 15th International Congress of Mathematics Education (ICME 15), "Tasks designed to pique student interrests: Using non-mathematical topics to engage students in mathematics," ICME, Sydney. (July 2024).

Guajardo, L. R. (author/presenter), Zolt, H. (author/presenter), Warshauer, H. K. (author), Warshauer, M. L. (author), 45th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics (PMENA), "Piquing student interests: Using voting to engage students in mathematics," PMENA, Reno, United States. (October 2023).

Lee, H. Y. (Author), Warshauer, H. K. (Author/Presenter), Sigley, R. (Author), 2023 Annual AMTE Conference, "Prospective Teachers' Coordination of Fractions on Numbers Lines and their Analyses of Student Video Episdoes," Association of Mathematics Teacher Educators (AMTE), Astor Crowne Plaza, French Quarter, New Orleans, LA, United States. (February 2, 2023).

Patterson, C. L. (Presenter), Warshauer, H. K. (Presenter), Cui, X. (Presenter), Bhattacharyya, S. (Presenter), 2022 Association of Mathematics Teacher Educators Conference, "Navigating Tensions in Practice: Resources that Preservice and Inservice Teachers Share in a Teaching Collaboration," Association of Mathematics Teacher Educators, Las Vegas, NV, United States. (February 2022).
AMTE 2022 Proposal - Navigating Tensions in Practice-1.pdf

Warshauer, H. K. (Author-Presenter), Smith, S. (Author-Presenter), Herrera, C. (Author), Starkey (Author), National Council of Teachers Mathematics Research Conference, "Developing Preservice Teachers' Noticing of Knowledge Bases and Productive Struggle," National Council of Teachers of Mathematics, virtual. (January 7, 2022).

Starkey, C. (Speaker), Smith, S. (Speaker), Herrera, C. (Speaker), Warshauer, H. K. (Speaker), International Congress on Mathematics Education (ICME 14), "Developing Preservice Teachers' Noticing and Notions of Productive Struggle with Video Analysis," International Commission on Mathematical Instruction (ICMI) and International Mathematical Union (IMU), Shanghai, China. (July 2021).

Herrera, C. (Speaker), Smith, S. (Speaker), Starkey, C. (Speaker), Warshauer, H. K. (Speaker), International Congress on Mathematics Education (ICME 14), "Exploring Preservice Teacher's Noticing of Resources that Support Productive Struggle and Promote Equity," International Commision on Mathematics Instruction (ICMI) and International Mathematical Union (IMU), virtual, Shanghai, China. (July 2021).

Hicks, M. D. (Speaker), Warshauer, H. K. (Speaker), Warshauer, M. L. (Speaker), International Conference on Mathematics Education (ICME 14), "Student Perceptions of Support Provided by a Summer Math Camp," International Commission on Mathematical Instruction (ICMI) and International Mathematical Union (IMU), virtual, Shanghai, China. (July 2021).

Patterson, C. L. (Speaker), Warshauer, H. K., Warshauer, M. L. (Speaker), 42nd Annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (PMENA), "Resources that Preservice and Inservice Teachers offer in Collaborative Analysis of Student Thinking," PMENA, Mazatlan, Mexico. (June 2021).

Patterson, C. L., Warshauer, H. K., Association of Mathematics Teacher Educators Conference 2020, "Many perspectives, one vision: Learning to respond to student thinking by reflecting on shared experience," Association of Mathematics Teacher

Educators, Sheraton Phoenix Downtown Hotel, Phoenix, AZ, United States. (February 6, 2020).

Herrera, C. (Presenter), Starkey, C. (Presenter), Smith, S. (Presenter), Warshauer, H. K. (Presenter), Psychology of Mathematics Education North America Chapter (PMENA), "Exploring preservice teachers' understanding of resources that support productive struggle and promote equity," Psychology of Mathematics Education North America Chapter (PMENA), St. Louis Missouri, St. Louis, MO, United States. (November 14, 2019).
PMENA 41 2019 Proceedings_presentation-1.pdf

Koehne, C. R. (Presenter/Author), Zied, K. (Presenter/Author), Warshauer, H. K. (Presenter/Author), Patterson, C. L. (Author), 2019 AERA Annual Meeting, "Professional Development Integrating Practicing and Prospective Teachers: Shared Resources from a Community of Practice," American Educational Research Association, Toronto, Canada. (April 2019).

Ortiz, A. M. (author), Cano Amaya, L. (author), Warshauer, H. K. (author), Torres, S. (author), 2017 ASEE Annual Conference & Exposition, "They choose to attend academic summer camps? A mixed methods study exploring motivation for and the impact of a NASA academic summer pre-engineering camp upon middle school students in a Latino community," American Society for Engineering Education (ASEE), Columbus Convention Center, Columbus, OH, United States. (June 2017).

Additional Comments: Paper was awarded an honorable mention in its category at the 2017 annual ASEE conference.

Warshauer, H. K. (Presenter/Author), Herrera, C. (Presenter/Author), Starkey, C. (Presenter/Author), Smith, S. (Presenter/Author), 2017 NCTM Research Conference, "Preparing Preservice Teachers to Notice and Support Productive Struggle," National Council of Teachers of Mathematics, San Antonio, TX, United States. (April 2017).

Warshauer, H. K. (Co-presenter), Herrera, C. (Co-presenter), Starkey, C. (Co-presenter), Smith, S. (Co-presenter), 21st Annual Conference of Association of Mathematics Teacher Educators(AMTE), "Developing Preservice Teacher's Understanding of Productive Struggle," Association of Mathematics Teacher Educators (AMTE), Rosen Plaza Hotel, Orlando, FL, United States. (February 10, 2017).

Warshauer, H. K. (Co-presenter), Namakshi, N. (Co-presenter), Koehne, C. (Co-presenter), Bhattacharyya, S. (Co-presenter), 21st Annual Conference of Association of Mathematics Teacher Educators(AMTE), "Focusing Preservice Teacher Noticing Towards Productive Struggle," Association of Mathematics Teacher Educators (AMTE), Rosen Plaza Hotel, Orlando, FL, United States. (February 9, 2017).

Warshauer, M. L. (Author), Warshauer, H. K. (Author/Presenter), Starkey, C. (Author/Presenter), McCabe, T. W. (Author), Zunker, C. (Presenter), 13th

International Congress on Mathematical Education(ICME13), "Addressing the Needs of Gifted Students: Opportunities for Students, Teachers, and Researchers," University of Hamburg, Hamburg, Germany. (July 2016).

Starkey, C. (Presenter), Warshauer, H. K. (Presenter), Warshauer, M. L. (Author), 13th International Congress on Mathematical Education(ICME13), "Using Journals to Support Learning: Case of Number Theory and Proof," University of Hamburg, Hamburg, Germany. (July 2016).

Warshauer, H. K., Strickland, S., Namakshi, N., Bhattacharyya, S., Hickman, L., the Annual Association of Mathematics Teacher Educators (AMTE) Conference, "Using Student Work to Enhance Preservice Teachers' Noticing and Content Knowledge," Irvine, CA. (February 2016).

Warshauer, H. K., Strickland, S. K., Namakshi, N., Hickman, L., Bhattacharyya, S., 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, "Development of Preservice Teacher Noticing in a Content Course," East Lansing, MI. (November 2015).

Warshauer, H. K., Strickland, S., Namakshi, N., Bhattacharyya, S., Hickman, L., the National Council of Teachers of Mathematics (NCTM) Research Conference, "Development of Preservice Teacher Noticing through Analysis of Student Work," Boston, MA. (April 2015).

Warshauer, H. K., Starkey, C., Warshauer, M., the Joint Mathematics Meetings (JMM) MAA Session The Scholarship of Teaching and Learning in Collegiate Mathematics, "Using Journals to Support Student Learning: The Case of an Elementary Number Theory Course," San Antonio, TX. (January 2015).

Warshauer, H. K. (presenter/author), Strickland, S. (author), Hickman, L. (author), Namakshi, N. (author), 38th Conference of the International Group for the Psychology of Mathematics Education (PME) and the 36th Conference of the North America Chapter of the Psychology of Mathematics Education (PME-NA), "Relating Preservice Teacher Noticing with Mathematical Knowledge for Teaching," Vancouver, Canada. (July 2014).

Warshauer, H. K., the 2014 National Conference of Teachers of Mathematics (NCTM) Research Conference, "Productive Struggle in Teaching and Learning Middle School Mathematics," New Orleans, LA. (April 2014).

2. Invited Talks, Lectures, and Presentations:

Warshauer, H. K., Department of Mathematics and the College of Arts and Science Colloquium, "Beyond Outreach: Research in Mathematics and Mathematics Education at Texas Mathworks," Western Michigan University, Western Michigan

University Mathematics Department, Kalamazoo, MI, United States. (February 19, 2026).

Warshauer, H. K., Society for Industrial and Applied Mathematics student meeting at Texas State University, "Decisions, Decisions: The Mathematics of Voting," SIAM club, Texas State University, San Marcos, TX, United States. (November 13, 2024).

Warshauer, H. K., Pi Mu Epsilon Induction Ceremony, "Active Learning with Teaching Activities," Pi Mu Epsilon, Texas State University, San Marcos, TX, United States. (April 30, 2024).

Warshauer, H. K. (Presenter), Kaur, M. (Presenter), Early, K. (Presenter), Mathematics Education Seminar, "US ICME-14 Special Interest Group on Equity: A Global Perspective," Department of Mathematics, Texas State University, San Marcos, TX, United States. (April 22, 2022).

Warshauer, H. K. (Presenter), Kaur, M. (Presenter), Early, K. (Presenter), US ICME-14 Virtual Sessions, "Equity: A Global Perspective," ICME Travel Group, Virtual. (January 19, 2022).

Warshauer, H. K. (Presenter), Warshauer, M. L. (Presenter), Colloquium talk, "Beyond Outreach: Research in Mathematics and Mathematics Education at Texas Mathworks," California State University, Chico, virtual. (March 12, 2021).

Herrera, C. (presenter), Starkey, C. (presenter), Smith, S. (presenter), Warshauer, H. K. (presenter), Sonoma State Colloquium, "Noticing Connections Among Productive Struggle and Resources to Promote Equitable Learning," Sonoma State University, (virtual), Rohnert Park, CA, United States. (November 4, 2020).

Patterson, C. L., Warshauer, H. K., Texas State Mathematics Education Seminar, "Using teachers' reflections to catalyze resource sharing in a non-traditional collaborative teaching setting," Texas State University, San Marcos (virtual), TX, United States. (October 3, 2020).

Warshauer, M. L. (Speaker), Warshauer, H. K. (Speaker), 2020 Joint Math Meetings, "Research about Math Outreach Programs in AMS Special Session on Outreach Strategies for Reaching Underrepresented Students at the Pre-College Level," American Mathematics Society, Colorado Convention Center, Denver, CO, United States. (January 15, 2020).

Warshauer, H. K. (Presenter), Mathematics Education Seminar, "Examining Professional Development Integrating Preservice and Inservice Teachers: Research in a Math

Camp Setting," Texas State University Department of Mathematics, Texas State University, San Marcos, United States. (November 10, 2017).

Warshauer, H. K. (presenter), Mathematics Education Seminar, "Developing Preservice Teacher's Understanding of Productive Struggle," Dr., Dr., San Marcos, TX, United States. (January 27, 2017).

Warshauer, H. K., Warshauer, M. L. (presenter), McCabe, T. W. (presenter), Joint Math Meetings, "University and Public School Partnerships: Camps, Curriculum, and Teacher Training," American Mathematical Society (AMS), Atlanta Marriott Marquis Hotel, Atlanta, GA, United States. (January 6, 2017).

Additional Comments: Published in Abstracts

Warshauer, H. K. (Speaker), 7th Annual Mathematics Department Symposium and Recruitment Fair, "Teacher Noticing of Support of Productive Struggle," Department of Mathematics at Texas State University, Texas State University, San Marcos, TX, United States. (November 18, 2016).

McCabe, T. W., Warshauer, M. L., Warshauer, H. K., 13th International Congress on Mathematical Education in Hamburg, Germany. July 2016, "Addressing the Needs of Gifted Students: Opportunities for Students, Teachers, and Researchers.," 13th International Congress on Mathematical Education, 13th International Congress on Mathematical Education, Hamburg, Germany. (July 2016).

Warshauer, H. K., the Texas State University Mathematics Education Seminar, "Integrating Teaching with Research: A Case of Math 2311." (September 2014).

White, A. (Panelist), Warshauer, M. L. (Panelist), Warshauer, H. K. (Panelist), McCabe, T. W. (Panelist), Strickland, S. K. (Panelist), Mathworks Mathematics Education Symposium, "Mathworks," Mathworks, San Marcos Conference Center, San Marcos, TX, United States. (September 2014).

Warshauer, H. K., the Program for Excellence in Teaching and Learning session, "Engaging in Problem Solving," Texas State University. (March 2014).

Warshauer, H. K., the Texas State University Mathematics Education Seminar, "Productive Struggle and its Role in Teaching and Learning Mathematics," San Marcos, TX, United States. (September 2013).

Warshauer, H. K., Warshauer, M., McCabe, T., McCabe, D., "Building International Relations," Jakarta State University, Jakarta, West Java, Indonesia. (January 2013).
Additional Comments: Panel presentation

Warshauer, H. K. (Presenter), Warshauer, M. L. (Presenter), McCabe, T. W. (Presenter), McCabe, D. A. (Presenter), "Productive Struggle in Teaching and Learning

Mathematics," Bogor Agricultural University, Bogor, West Java, Indonesia. (January 2013).

Warshauer, H. K. (Presenter), Warshauer, M. L. (Presenter), McCabe, T. W. (Presenter), McCabe, D. A. (Presenter), "Research in Mathematics Education," Makassar State University, Makassar Sulawesi, Indonesia. (January 2013).

McCabe, T. W., Warshauer, M. L., Sorto, M. A., Warshauer, H. K., 2007 Annual conference of the Association of Mathematics Teacher Educators (AMTE) CA, ""Early Undergraduate Experiences in Middle School Classrooms"," Association of Mathematics Teacher Educators (AMTE), Irvine, CA, United States. (January 2007).

McCabe, T. W., Warshauer, M. L., Sorto, M. A., Warshauer, H. K., 2007 Annual conference of the Association of Mathematics Teacher Educators (AMTE) CA, ""Forming a mathematical learning community using interactive TV (ITV) and distance learning,"," Association of Mathematics Teacher Educators (AMTE), Irvine, CA, United States. (January 2007).

Warshauer, M. L., Sorto, A., Warshauer, H. K., McCabe, T., Association of Mathematics Teacher Educators (AMTE), ""Early undergraduate experiences in middle school classrooms"," Irvine, CA, United States. (January 27, 2007).

McCabe, T. W., Warshauer, M. L., Warshauer, H. K., White, A., AMS-MAA-MER Special Session on Mathematics and Education Reform, I,, ""Creating Math Learning Communities Locally and using ITV,"," American Mathematics Society and Mathematics Association of America, New Orleans, LA, United States. (January 8, 2007).

McCabe, T. W., Sorto, M. A., Warshauer, M. L., Warshauer, H. K., National Council of Teacher of Mathematics (NCTM) Annual Meeting,, ""Not a Fishing Expedition: Posing Questions Seeking Understanding"," National Council of Teacher of Mathematics (NCTM), St. Louis, MO, United States. (April 2006).

White, A., Warshauer, M. L., Warshauer, H. K., McCabe, T. W., American Mathematical Association and Mathematical Association of America Joint Meetings, "Recruiting Future Math Teachers with an Early K-12 Classroom Experience," San Antonio, TX, United States. (January 13, 2006).

McCabe, T. W., Warshauer, H. K., International Mathematics and Education Conference, ""Preparing Teachers to Ensure Mathematics Success for Student English Language Learners"," International Mathematics and Education, San Antonio, TX, United States. (July 2005).

McCabe, T. W., Warshauer, H. K., Warshauer, M. L., National Council of Teachers of Mathematics (NCTM) National Meeting, ""Math Inquiry Groups: Connecting Pre-service and In-service Teachers"," National Council of Teachers of Mathematics (NCTM), Anaheim, CA, United States. (April 2005).

McCabe, T. W., Warshauer, H. K., School Science and Mathematics Association Annual Meeting, ""Connecting Mathematics Teaching Efficacy and Summer Math Camps"," School Science and Mathematics Association, Atlanta, GA, United States. (October 2004).

McCabe, T. W., Warshauer, H. K., Science and Mathematics Association Annual Meeting, ""Math Inquiry Groups: Preliminary Report on Fostering a Partnership Between University and School Districts"," Science and Mathematics Association, Atlanta, GA, United States. (October 2004).

4. Workshops:

Warshauer, H. K., Rosenthal Prize for Innovation and Inspiration in Math Teaching, "Origami and Mathematics: Geometry in the Folds," National Museum of Mathematics, New York, NY, United States. (October 2021).

Additional Comments: The submission was one of the finalists for the 2021 Rosenthal Prize for Innovation and Inspiration in Math Teaching.

Warshauer, H. K., Spring Conference of the Central Texas Council of Teachers of Mathematics, "Strategies to Support Productive Struggle in Learning Mathematics," Central Texas Council of Teachers of Mathematics (CTCTM), University High School, Waco, TX, United States. (February 2, 2019).

Warshauer, H. K. (Workshop designer and presenter), Teacher Quality Workshop-Academy for Teacher Excellence, "Supporting Students' Productive Struggle in Learning Mathematics," University of Texas at San Antonio Department of Mathematics, UTSA-Downtown Campus, San Antonio, TX, United States. (November 11, 2017).
UTSA_Workshop_Agenda_2017-1.docx

5. Other Works not in Print:

a. Works "submitted" or "under review":

Journal Articles:

Lee, H. Y., Warshauer, H. K., Angel, C. A., & Ford, L. L. (Submitted / Under Review). Connecting Prospective Teachers' Fraction Placement on Number Lines with Their Analyses of a Classroom Video. *School Science and Mathematics*. (October 4, 2024)

Ryan, C., & Warshauer, H. K. (Submitted / Under Review). Using Storytelling to Explore Graphs and Functions. *Mathematics Teacher: Learning & Teaching PK-12*. (January 12, 2024)

b. Works "in progress":

Journal Articles:

Guajardo, L. R., Acevedo, C. I., Zolt, H. M., & Warshauer, H. K. (In Preparation; Not Yet Submitted). Off the Grid: Exploring the Area of Triangles. *Mathematics Teacher: Learning and Teaching PreK-12*. (August 31, 2022)

c. Other Works Not in Print:

Creative Works Cited in Conference Papers / Presentations:

Warshauer, H. K. (Author), "The Role of Productive Struggle in Teaching and Learning Middle School Mathematics," The University of Texas, Austin, TX. (2012).

Keynote / Plenary Addresses:

Warshauer, H. K. (Keynote speaker), Spring Conference of the Central Texas Council of Teachers of Mathematics, "Responsive Teaching to Support Productive Struggle," Central Texas Council of Teachers of Mathematics (CTCTM), University High School, Waco, TX, United States. (February 2, 2019).

Warshauer, H. K. (Keynote speaker), Mathematics Teacher Academy, "Supporting Students' Productive Struggle in Learning Mathematics," Baylor School of Education, Baylor University, Waco. (July 24, 2018).

Additional Comments: News from Baylor School of Education at: http://blogs.baylor.edu/soe/2018/07/24/math-teachers-attend-three-day-conference-at-baylor-07242018/

Other:

Warshauer, H. K. (speaker), Warshauer, M. L. (speaker), Mathworks Steering Committee, "Mathworks Steering Committee Meeting," Texas Mathworks, Headliner's Club, Austin, TX, United States. (March 5, 2020).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Warshauer, Hiroko K, White, Alexander (Supporting). Mathematics Mentoring Network, Meadows, Private / Foundation / Corporate, $13,000.00. (Submitted: July 2006). Grant.

Warshauer, Hiroko K. Discovery Research PreK-12 Fourteenth International Congress on Mathematical Education Travel Grant, National Science Foundation, Federal, $4,000.00. (Funded: December 2023 - Present). Grant.

Warshauer, Max (Principal), Warshauer, Hiroko (Co-Principal). Meadows-TRIP, Texas Research Incentive Program (TRIP), $68,850.00. (Funded: November 14, 2015 - January 1, 2025). Grant.

Warshauer, Max L (Principal), Percent Contribution: 25%, Warshauer, Hiroko Kawaguchi (Co-Principal), Percent Contribution: 25%. Mathworks Summer Math Camps, Harman-Mayes-Sooch Family Fund, Other, $49,000.00. (Submitted: January 30, 2020, Funded: February 28, 2020 - January 30, 2021). Grant.

Additional Comments: Via Summer Investment Hub

Ortiz, Araceli Martinez (Principal), Warshauer, Hiroko K (Co-Principal). Future Aerospace-engineers and Mathematicians Academy (FAMA), National Aeronautics and Space Agency (NASA), Federal, $412,000.00. (Funded: October 2015 - 2018). Grant.

Additional Comments: over three years to offer STEM experiences to underserved and underrepresented elementary and middle school students in summer camps and family community programs

Warshauer, Max (Principal), Warshauer, Hiroko K (Co-Principal). Meadows Foundation, Private / Foundation / Corporate, $75,000.00. (Funded: June 7, 2016 - June 7, 2017). Grant.

Warshauer, Max (Principal), Warshauer, Hiroko (Co-Principal). RGK Foundation, Private / Foundation / Corporate, $100,000.00. (Funded: April 30, 2016 - April 30, 2017). Grant.

Warshauer, Max (Principal), Warshauer, Hiroko (Co-Principal). KDK Foundation, Private / Foundation / Corporate, $25,000.00. (Funded: April 12, 2016 - April 12, 2017). Grant.

Warshauer, Max (Principal), Warshauer, Hiroko (Co-Principal). Silicon Laboratories Inc., Private / Foundation / Corporate, $10,000.00. (Funded: January 25, 2016 - January 25, 2017). Gift.

Warshauer, Hiroko K (Co-Principal). Mathworks Fellows, Meadows Foundation, Private / Foundation / Corporate, $153,000.00. (Submitted: 2015, Funded: 2015 - 2016). Grant.

Warshauer, Max L (Principal), Warshauer, Hiroko K (Co-Principal), White, Alexander (Supporting). Mathworks Algebra Program, Meadows Foundation, Private / Foundation / Corporate, $306,000.00. (Funded: 2012 - 2016). Grant.

Warshauer, Max (Principal), Warshauer, Hiroko K (Co-Principal). Meadows Foundation, Private / Foundation / Corporate, $100,000.00. (Funded: April 1, 2015 - April 1, 2016). Grant.

Warshauer, Max (Principal), Warshauer, Hiroko (Co-Principal). KLE, KLE-TRIP, Texas Research Incentive Program (TRIP), $51,750.00. (Funded: November 16, 2015 - January 1, 2016). Grant.

Warshauer, Hiroko K (Principal). Mathworks Algebra Project, KDK Harmon Foundation, Private / Foundation / Corporate, $36,000.00. (Funded: 2014 - 2015). Grant.

Additional Comments: to create a Camp-in-a Box curriculum and teacher support

Warshauer, Hiroko K (Co-Principal). Mathworks Algebra Project, Meadows Foundation, Private / Foundation / Corporate, $153,000.00. (Funded: 2014 - 2015). Grant.

Additional Comments: to study elements of success in curriculum implementation, in particular the state-adopted Math Exploration curriculum

Warshauer, Hiroko K (Co-Principal). Mathworks Algebra Project, Sid Richardson Foundation, Private / Foundation / Corporate, $36,000.00. (Funded: 2014 - 2015). Grant.

Additional Comments: to develop Mathworks teacher Training

Warshauer, Hiroko K (Principal). Mathworks Algebra Project, Private / Foundation / Corporate, $36,000.00. (Funded: 2013 - 2014). Grant.

Additional Comments: to create a Camp-in-a Box curriculum and teacher support

Warshauer, Hiroko K (Co-Principal). Mathworks Algebra Project, Sid Richardson Foundation, Private / Foundation / Corporate, $36,000.00. (Funded: 2013 - 2014). Grant.

Additional Comments: to develop Mathworks teacher Training

Warshauer, Hiroko K (Co-Principal). Mathworks Algebra Project, Meadows Foundation, Private / Foundation / Corporate, $153,000.00. (Funded: 2013). Grant.

Additional Comments: to study elements of success in curriculum implementation, in particular the state-adopted Math Explorations curriculum, and work with graduate students to develop a video library for use in teacher training

2. Submitted, but not Funded, External Grants and Contracts:

Warshauer, Hiroko K. Texas Mathworks, Private / Foundation / Corporate, $100,000.00. (Submitted: October 2020, Funded: June 2021 - Present). Grant.

Warshauer, Hiroko K (Principal). Examining student and teacher perceptions of recreational mathematical activities during implementation and enactment, Texas State University, $8,000.00. (Submitted: October 2020). Sponsored Research.

Warshauer, Hiroko K (Principal), Percent Contribution: 100%. CAREER: Analyzing Prospective Teachers' Early Field Experiences in Preparation for Mathematics Teaching, Texas State University, Federal, $908,302.00. (Submitted: July 2018). Grant.

3. Funded Internal Grants and Contracts:

Warshauer, Hiroko K (Principal). Research Enhancement Program grant, Texas State University, $8,000.00. (Funded: 2014). Grant.

Additional Comments: Summer 2014, to study the nature and development of teacher noticing in a teacher-training program associated with Mathworks two-week Junior Summer Math Camp

4. Submitted, but not Funded, Internal Grants and Contracts:

Warshauer, Hiroko K. Exploring Early Field Experiences to Strengthen and Recruit Future Mathematics Teachers, Texas State Division of Research, Institutional (Higher Ed), $10,600.00. (Submitted: October 2025). Grant.

E. Scholarly / Creative Professional Development Activities Attended:

Conference Attendance, "Committee on the Mathematical Education of Teachers (COMET)," Mathematics Association of America, Baltimore, MD, United States. (2018 - Present).

Conference Attendance, "41st Annual Meeting of the North American chapter of the international group for the Psychology of Mathematics Education," North American Chapter of the International Group for the Psychology of Mathematics Education, St. Louis, MO. (November 14, 2019 - November 17, 2019).

Conference Attendance, "2019 AERA Annual Meeting," American Educational Research Association, Toronto. (April 4, 2019 - April 9, 2019).

Workshop, "Scholarship and Teaching Excellence program," Texas State University Faculty Development, SAN MARCOS. (September 2013 - April 2014).

F. Media Recognition:

Internet, Two Teachers in Texas. (March 15, 2021).

Additional Comments: Interviewed on a podcast called, "Two Teachers in Texas" about Mathworks professional development, Junior Summer Math Camp, and teaching in general. At: http://www.twoteachersintexas.com/we-interview-dr-hiroka-warshauer-about-teaching-math-and-a-great-curriculum-mathworks-all-on-ttit-169/

IV. SERVICE

A. Institutional

1. University:

Organizer, Budapest Semester in Mathematics Education Affiliation with Texas State University. (February 2023 - Present).

Member, Graphs, Geometry, and Gerrymandering: Mathematics of Political Districting. (January 2019 - October 3, 2020).

Gerrymandering_October_2020-1.pdf

Additional Comments: Common Experience, Departments of Mathematics, Political Science, Honors College, and Mathworks sponsored the university and community wide presentation and panel discussion attended by more than 200 via Zoom. The committee organized the event; recruiting and contacting speakers, publicity, sponsorships, advertising, and registration. The committee consisted of: Nestor Guillen, Joanna Gutt-Lehr, Diann McCabe, and myself.

Represented the Math Department, Bobcat College Days. (1979 - 2016).

Math Dept. representative, Biology Liaison Committee. (2009 - 2015).

Represent the Mathematics Department, University Common Experience steering committee. (2012 - 2013).

Represent the Mathematics Department, University Common Experience steering committee. (2009 - 2010).

2. College:

Member, College of Science and Engineering Curriculum Committee. (August 2024 - Present).

Member, Research Enhancement Program. (August 2021 - September 2022).

Additional Comments: Met with a departmental colleague submitting a proposal who sought comments and recommendations.

3. Department/School:

Chair, Math 2321-2331 Teaching Forum. (September 2022 - Present).

Member, Graduate Assistantship Renewal Committee. (September 2022 - Present).

Member, Program and Curriculum Committee. (September 2022 - Present).

Tenure Track Teaching Mentor, Mathematics Department Mentor. (January 2022 - Present).

Additional Comments: Mentor to Graduate Students: Frankson Collins (S2022); Moni Jafari (S2022); Stephanie Dille (F2022); Paxton Smith (F2022)
Mentor to Assistant Professors: Kristen Lew (S2022); Brittany Ellis (F2022-F2023)

Member, Mathworks Leadership Council. (September 2019 - Present).

Member, Pi Mu Epsilon Scholarship Committee. (2018 - Present).

Member, Student Affairs. (August 2014 - Present).

Additional Comments: Assist in organizing the Math Awareness activities including coordinating the speaker(s) for the events.

Member, Math 2311-2312 Teaching Forum. (January 2022 - August 2023).

Member, Graduate Program Committee. (August 2019 - 2022).

Additional Comments: Attend weekly meetings to discuss graduate programs and examine Masters and PhD applications.

Member, Performance Merit Committee. (August 2019 - 2022).

Additional Comments: Examine 80+ faculty Annual Reviews, indicate rankings, and discuss with committee members for consensus.

Chair, Program-Curriculum Committee. (August 2021 - August 2022).

Additional Comments: Responsibilities include presiding over weekly meetings pertaining to new course proposals and program review, and presenting recommendations at Departmental Meetings; coordinating with committee member David Snyder to enter the updated curriculum information in the CIM (curriculum inventory management) and PIM (program inventory management) systems; and reviewing new textbooks for current courses.

Member, Performance/Merit/Post-tenure Review Policy Task Force Committee. (March 2022 - April 2022).

Member, Math Awareness Month speaker committee on Mathematics and Ethics. (February 2022 - April 8, 2022).

Additional Comments: Speaker: Maria De-arteaga

Participant, Graduate Open House. (2013 - 2020).

Member, Department of Mathematics Qualifying Examination. (July 2020 - August 2020).

Co-Chair, Math 2321/2331 Teaching Forum. (August 2019 - August 2020).

Member, Graduate/PhD Committee. (August 2019 - August 2020).

Member, Curriculum Committee. (August 2018 - August 2020).

Organizer, Math 2311 Seminar/Forum. (January 2018 - May 2018).

Additional Comments: Bring together Math 2311 instructors to support teaching and to share ideas and resources

Mentor to graduate student: Supervise/Mentor Matthew Straughn, Ph.D. student, Matthew Straughn. (2016 - December 2017).

Member, Committee on Committees. (2015 - 2017).

Co-Chair, Math 2321 teaching forum to create General Education Assessments to be piloted across all the sections and to also facilitate discussion about teaching the course among the faculty. (2013 - 2016).

Mentor to graduate students: Supervise/Mentor Ph.D. students, Christina Starkey, in teaching support for Math 2311 and related research projects. (2013 - 2016).

Member, Math Department Awards Committee that selects nominees for faculty and student awards. Assist in the Awards Day ceremony. (2006 - 2016).

Mentor to graduate students: Supervise/Mentor Ph.D. students, Nama Namakshi, in teaching support for Math 2311 and related research projects. (2013 - August 2016).

Organizer, Math 2311 Seminar. (January 2016 - May 2016).

Additional Comments: Bring together Math 2311 instructors to support teaching and to share ideas and resources

Mentor to graduate students: Supervise/Mentor Ph.D. students, Christine Herrera, in teaching support for Math 2311 and related research projects. (2013 - May 2016).

Mentor to graduate students: Supervise/Mentor Ph.D. students, Shawnda Smith, in teaching support for Math 2311 and related research projects. (2013 - May 2016).

Coordinator, Bing Speaker Series. (2015).

Mentor lecturer by observing and supporting teaching., Sarah Ikonee. (2014 - 2015).

Moderator, Graduate Students Panel. (2014).

Chair, Curriculum committee's subcommitte to revise the Math 2331 and 2321 courses to better serve the changing demographic of students. (2013 - 2014).

Mentor to graduate students: Supervise/Mentor Ph.D. students, Lauren Hickman, in teaching support for Math 2311 and related research projects. (2013 - 2014).

B. Professional:

Reviewer / Referee, Mathematics Teacher Educator (MTE), United States. (October 2019 - Present).

Reviewer / Referee, National Council of Teachers of Mathematics (NCTM), Reston, VA. (2016 - Present).

Reviewer / Referee, Journal of Mathematics Teacher Education (JMTE). (2015 - Present).

Reviewer / Referee, Psychology of Mathematics Education in North America (PMENA). (2014 - Present).

Session Moderator, MAA Texas Conference 2024, San Marcos, TX, United States. (March 22, 2024 - March 23, 2024).

Reviewer / Referee, International Congress on Mathematics Education (ICME 15). (October 2023).

Reviewer / Referee, Journal for Research in Mathematics Education (JRME). (March 2017 - February 2023).

Additional Comments: Review manuscripts. Most recently request in November, 2021 due February 2022.

Reviewer / Referee, Journal of Mathematical Behavior (JMB). (November 1, 2020 - November 27, 2022).

Team leader, Primary Math World Contest, Hong Kong, China. (2001 - 2021).

Additional Comments: Mathworks team of four middle school students at the Primary Math World Contest, an international mathematics competition, The team leaders select, revise, and prepare the contest questions. Developed international collaboration with other team leaders at the PMWC, including Bogor, Indonesia

Reviewer / Referee, International Congress on Mathematics Education (ICME 14), Shanghai. (October 2019 - January 2021).

Member, MAA's Committee on the Mathematical Education of Teachers (COMET). (January 2018 - January 2021).

Elementary Teachers CUPM Rev-1.pdf

Additional Comments: Served on a subcommittee of the Committee on Mathematical Education of Teachers (COMET) to draft a document for the Committee on the Undergraduate Program in Mathematics (CUPM) to improve the courses for prospective teachers of elementary, middle-school, and high school grades. I worked to draft "Preparing Elementary School Teachers to Teach Mathematics"

Co-editor, Mathematics Teaching in the Middle School (MTMS), Reston, VA, United States. (January 15, 2017 - January 15, 2020).

Additional Comments: Co-editor with 2 others in the Mathematical Exploration Department

Reviewer / Referee, International Congress for Mathematics Education (ICME13), Hamburg, Germany. (October 2015 - January 2016).

Reviewer / Referee, PMENA monograph on Teacher Noticing. (2015).

Session presider, 38th Conference of the International Group for the Psychology of Mathematics Education (PME)/36th Conference of the North America Chapter of the Psychology of Mathematics Education (PME-NA), Vancouver. (July 2014).

Editor, Math Explorer, San Marcos, TX, United States. (1998 - 2006).

Additional Comments: Edited and contributed as a writer of articles

Editor, Math Reader, San Marcos, TX. (1998 - 2001).

Additional Comments: Editor as well as contributing author

C. Community:

Assist and participate in the PME induction ceremonies, Pi Mu Epsilon, San Marcos, TX. (April 2016 - Present).

Member, Pi-Day Celebration, San Marcos. (2001 - Present).

Organizer, Math Awareness Month City Proclamation reading by the Mayor of San Marcos, San Marcos, TX. (2001 - Present).

Additional Comments: Author the proclamation and contact the Mayor's office to ask the Mayor to declare April Mathematics and Statistics Awareness Month in the city of San Marcos.

Speaker, Kealing Middle School, Austin, TX. (September 17, 2021 - September 20, 2021).

Additional Comments: Conducted six workshops presenting a 2021 Rosenthal Prize finalist lesson on *Origami and Mathematics* at Kealing Middle School, a magnet school in Austin. The presentation was designed by Holly Zolk, Dan Shapiro, Max Warshauer, and myself

D. Organization Memberships:

Psychology of Mathematics Education North America Chapter (PME_NA). (November 2012 - Present).

American Educational Research Association (AERA). (April 2010 - Present).

TODOS: Mathematics for ALL Excellence and Equity in Mathematics (TODOS). (2004 - Present).

Association of Mathematics Teacher Educators (AMTE). (September 1998 - Present).

National Council of Teachers of Mathematics (NCTM). (September 1996 - Present).

Mathematics Association of America (MAA). (September 1990 - Present).

E. Service Honors and Awards:

Award / Honor Recipient: Presidential Distinction Award for Service in the College of Science and Engineering.
August 2016

Award / Honor Recipient: Mathematics Department Award for Excellence in Service, Department of Mathematics.
December 2015

Award / Honor Recipient: Texas State Quarterly Team Award to 2012-2013 Common Experience Team (a team member).
May 2013

Award / Honor Recipient: Mathematics Department Award for Excellence in Service.
2002
1996

Award / Honor Recipient: runner up Texas State Presidential Award for Excellence in Service- College of Science.
2002

Award / Honor Recipient: First Annual Texas Higher Ed. Star Award, Closing the Gap, swtMathworks team.
2001

Award / Honor Recipient: School of Science Award to the Math Institute for Talented Youth team.
2000

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

Warshauer, Hiroko K (Principal), Percent Contribution: 50%, Warshauer, Max L (Co-Principal), Percent Contribution: 50%. Mathworks Summer Math Camps, HEB Tournament of Champions, Private / Foundation / Corporate, $16,000.00. (Submitted: November 2023, Funded: February 2024 - August 2024). Grant.

Warshauer, Hiroko K (Principal), Percent Contribution: 50%, Warshauer, Max L (Co-Principal), Percent Contribution: 50%. Webber Outreach Initiative: Mathworks Junior Summer Math Camp, Webber Family Foundation, Private / Foundation / Corporate, $25,000.00. (Submitted: November 2022, Funded: June 2023 - June 2024). Grant.

Warshauer, Hiroko K (Principal), Percent Contribution: 50%, Warshauer, Max K (Co-Principal), Percent Contribution: 25%, Patterson, Cody L, Percent Contribution: 25%. HEB Tournament of Champions, HEB, Other, $16,000.00. (Submitted: October 2022, Funded: February 2023 - August 2023). Grant.

Warshauer, Hiroko K (Principal), Percent Contribution: 50%, Warshauer, Max L (Co-Principal), Percent Contribution: 25%, Patterson, Cody L (Co-Principal), Percent Contribution: 25%. Silicon Labs: Mathworks Summer Math Camps, Silicon Labs, Other, $8,000.00. (Submitted: October 2022, Funded: January 2023 - August 2023). Grant.

Patterson, Cody Lynn (Principal), Percent Contribution: 40%, Warshauer, Max L (Co-Principal), Percent Contribution: 40%, Warshauer, Hiroko K (Co-Principal), Percent Contribution: 20%. Harman-Mayes-Sooch Family Fund, Harman-Mayes-Sooch Family Fund, Private / Foundation / Corporate, $54,000.00. (Submitted: January 18, 2022, Funded: January 28, 2022 - December 31, 2022). Grant.

Additional Comments: The Harman-Mayes-Sooch Family Fund provided funding for scholarships for students in our Residential Junior Summer Math Camp and Honors Summer Math Camp in 2022. They have also provided funding to support our Academic Year Project, which supports implementation of the Mathworks Math Explorations school curriculum in public schools.

Warshauer, Max (Principal), Warshauer, Hiroko (Co-Principal). RGK Foundation, 1st of 4 Gifts, Private / Foundation / Corporate, $100,000.00. (Funded: October 20, 2014 - October 20, 2015). Gift.

2. Submitted, but not Funded, External Service Grants and Contracts:

Warshauer, Hiroko K (Principal), Percent Contribution: 50%, Warshauer, Max L (Co-Principal), Percent Contribution: 50%. Mathworks Summer Math Camp, HEB tournament of champions, Private / Foundation / Corporate, $16,000.00. (Submitted: November 2024). Grant.

Warshauer, Max (Principal), Hailey, Christine Elizabeth (Co-Principal), McCabe, Terence W (Co-Principal), Sigley, Robert (Co-Principal), Warshauer, Hiroko K (Co-Principal). Math Scholarship Program, Federal, $999,982.00. (Submitted: March 1, 2017). Grant.

3. Funded Internal Service Grants and Contracts:

Warshauer, Hiroko K. University Lectures Series Award to support Sir Ken Robinson’s talk for the Common Experience, Common Experience, Texas State University, $4,500.00. (Funded: 2010). Grant.

Additional Comments: Spring 2010