Liza M. Bondurant
lb2206@msstate.edu

EDUCATION

Ph.D., Curriculum & Instruction - Mathematics Education, University at Albany, State University of New York, 2013.
M.S., Secondary Math Education, University at Albany, State University of New York, 2006.
B.S., Mathematics, University at Albany, State University of New York, 2005.

PROFESSIONAL EXPERIENCE

2023 - Present	Professor	Mississippi State University
2012 - Present	PD Facilitator, Writer, Editor	Illustrative Mathematics
2013 - 2023	Associate Professor	Delta State University
2020 - 2022	Writer	Math Nation
2019 - 2020	Tutor, Grader	Art of Problem Solving
2019 - 2020	Reviewer	EdReports
2014 - 2018	Writer, Webmaster, Instructor	Math Science Partnership
2016 - 2018	Editor for College Textbooks	CK-12
2009 - 2013	Instructor, Research Assistant	University at Albany, SUNY
2009 - 2011	Instructor	John Hopkins University
2009 - 2012	Math Teacher	Hamilton Fulton Montgomery BOCES
2006 - 2009	Math Teacher	Taconic Hills CSD
2005 - 2006	Math Teacher	Albany CSD

HONORS and AWARDS

Online Teaching Award, Mississippi State University, 2025.
College Teacher of the Year, Mississippi Council of Teachers of Mathematics, 2020.
Behind Their Stories, Wiley, 2023-2024.
Leader's Circle, Population Education, 2023.
STEM Hall of Femme, Wiley, 2021.
Faculty Expert, Association of Colleges and University Educators, 2020.
Best Overall Higher Education Course, Wiley, 2018.
Connected Educator, Delta State University and Ellucian, 2015 – 2023.
Kappa Mu Epsilon, National Mathematics Honor Society, 2014.
Section NExT Fellow, Mathematical Association of America, 2014 – 2016.
Graduate Scholarship, University at Albany, SUNY, 2009 – 2013.
Coach of New York State Regional Champion, Odyssey of the Mind, 2008 – 2009.
Mary M. Briggs Scholarship, University at Albany, SUNY, 2005 – 2006.

CERTIFICATION

Mathematics 7-12, Permanent Professional Teaching Certificate, obtained in 2005, does not expire.

PEER-REVIEWED PUBLICATIONS

Articles

Currently Under Review

Fitts, L., Bhagat, K., Brewer, T., & **Bondurant, L.** Lighting up learning: A high-tech, low-cost discovery of the inverse square law. *The Science Teacher.*

Bondurant, L., Scarpulla, M., Jamison, B., Fitts, L. Responding to a problem of practice through improvement science: A school-university research-practice partnership focused on mathematical problem solving and collective teacher efficacy. *School University Partnerships.*

Bondurant, L. Flagway. *Mathematics Teacher: Learning and Teaching PK-12*.

Bondurant, L., Moss, D., Bertolone-Smith, C., & Troup, J. Rehumanizing mathematics through multimodal microanalysis. *Research in Mathematics Education.*

Bondurant, L., & Shaughnessy, M. Linking tasks to talk: Examining teacher candidates' opportunities to practice facilitating mathematical discussions. *Mathematics Teacher Educator.*

Perrett, J., **Bondurant, L.,** & Takagi, J. Using "what's going on in this graph?" to develop data visualization literacy: Implementation models and engagement patterns across educational contexts. *The Journal of Statistics and Data Science Education.*

York, C., Hodge-Zickerman, A., & **Bondurant, L**. Exploring postsecondary mathematics instructors' knowledge and utilization of Generative AI in the classroom.

Bondurant, L., Dauzat, A., & Flowers, M. Let's give them something to talk about. *Mathematics Teacher: Learning and Teaching PK-12*.

Moss, D., Bertolone-Smith, C., **Bondurant, L.,** & Troup, J. Multimodal microanalysis of student learning. *The Mathematics Educator.*

Bondurant, L., & Ortiz Galarza, M. (2025). Don't judge a book by its cover? Building teachers' awareness of the importance of racial representation in children's libraries. *Journal of Mathematics Education at Teachers College.*

Fitts, L., Murawska, J., Aiken, C., & **Bondurant, L.** Disrupting hierarchies in STEM research-practice partnerships. *School Science and Mathematics.*

In Press

Perrett, J., & **Bondurant, L**. What's going on in this graph? Look up your school district's test scores. *The New York Times Learning Network.*

Perrett, J., & **Bondurant, L**. What's going on in this graph? Why boys are behind in reading at every age. *The New York Times Learning Network.*

Bondurant, L. Choose your own adventure with the five-step curricular process. *Mathematics Teacher: Learning and Teaching PK-12*.

Fitts, L., & **Bondurant, L**. (2026). Making mathematics meaningful in pH measurement. *The Science Teacher.* https://doi.org/10.1080/00368555.2026.2747943

Published

Bondurant, L. (2026). Students take up to 88 standardized tests before high school, but more testing doesn't improve learning. *The Conversation*. https://doi.org/10.64628/AAI.r446jwepg

Murawska, J. M., Nabb, K. A., Davies, K., **Bondurant, L.**, Apraiz, K., & McComas, K. (2026). Corvettes, curve fitting, and Calculus. *Mathematics Teacher: Learning and Teaching PK-12*, *119*(10), 818-827. https://doi.org/10.5951/MTLT.2026.0141

Bondurant, L. (2026). Choose your own adventure: A five-step process. *Mathematics Teacher: Learning and Teaching PK-12, 119*(10), 792-795. https://doi.org/10.5951/MTLT.2025.0542

Bondurant, L., & Colonnese, M. W. (2026). Supporting preservice teachers in learning about mathematical writing: A practice-based approach. *Investigations in Mathematics Learning,* 1-22. https://doi.org/10.1080/19477503.2026.2739609

Colonnese, M., & **Bondurant, L**. (2026). Exploring teaching simulations in mathematics teacher education: 2025-2026 AMTE simulations community circle speaker series. *Connections, 36*(1). https://amte.net/connections/2026/09/exploring-teaching-simulations-mathematics-teacher-education-2025-2026-amte

Fernandes, A., Simic-Muller, K, & **Bondurant, L.** (2026). Modeling social justice with digital tools: Preservice teachers' statistical investigations using CODAP. *Journal of Educational Research in Mathematics, 36*(3), 599-624. https://doi.org/10.29275/jerm.2026.36.3.599

Roscioli, K., & **Bondurant, L.** (2026). Preservice mathematics teachers' perceptions of equity and interactive digital tasks: Implications for initial teacher education. *Mathematics Education Research Journal*. https://doi.org/10.1007/s13394-026-00604-0

Bondurant, L., Salisbury, S., Flaggs, D., Edwards, B., Miles, U., & Kaufmann, D. (2026). Introducing the math narratives project. *MAA FOCUS.* https://digitaleditions.walsworthprintgroup.com/publication/?i=868559&p=40&view=issueViewer

Bondurant, L. (2026). From handshakes to texting contact information. *Mathematics Teacher: Learning and Teaching PK-12*. https://doi.org/10.5951/MTLT.2025.0518

Kouba, V., Burnett, S., Gibson, A., & **Bondurant, L.** (2026). Self-evaluation as an act of teaching. *Mathematics Teacher: Learning and Teaching PK-12, 119*(6), e42-e48. https://doi.org/10.5951/MTLT.2026.0085

Bondurant, L., & Shaughnessy, M. (2026). Responsible integration of AI in pedagogies of practice. *Journal of Mathematics Teacher Education in Texas, 15*(3). 8-16. https://mail.jmtet.net/index.php/Home/article/view/20

Perrett, J., & **Bondurant, L.** (2026). What's going on in this graph? Gas prices and presidential approval ratings. *The New York Times Learning Network*. https://www.nytimes.com/2026/04/16/learning/whats-going-on-in-this-graph-april-29-2026.html

Perrett, J., & **Bondurant, L.** (2026). What's going on in this graph? Self-driving car safety. *The New York Times Learning Network.* https://www.nytimes.com/2026/03/05/learning/whats-going-on-in-this-graph-march-11-2026.html

Wilson, J., **Bondurant, L.** (2026). Broadening participation with embodied discourse. *Mathematics Teacher: Learning and Teaching PK-12, 119*(3), 237-244. https://doi.org/10.5951/MTLT.2025.0019

York, C., **Bondurant, L.**, Hodge-Zickerman, A., & Stade, E. (2026). Digital TACTivities in data science: Investigating engagement and equitable practices. *Scatterplot, 3*(1), 1–15. https://doi.org/10.1080/29932955.2026.2629578

Bondurant, L. (2026). Toilet paper olympics. *Mathematics Teacher: Learning and Teaching PK-12, 119*(1), 58-63. https://doi.org/10.5951/MTLT.2024.0322

Bondurant, L., Wilburne, J., & Franz, D. (2025). Equity vignettes: A practice-based resource. *Journal of Urban Mathematics Education, 18*(2), 19-49. https://doi.org/10.21423/jume-v18i2a743

Bondurant, L., Fitts, L., Ivy, J., Franz, D. P., & Wan, A. (2025). A review of U.S. education policy on integrating science and mathematics teaching and learning. *Education Sciences, 15*(12), 1687. https://doi.org/10.3390/educsci15121687

Bondurant, L., Wilburne, J., Franz, D., & Young, J. (2025). Sorting it out: Using a Q-sort to foster reflections and conversations. *Mathematics Teacher: Learning and Teaching PK-12*. https://doi.org/10.5951/MTLT.2025.0164

Bondurant, L., & Franz, D. (2025). Celebrating Bonnie Oppenheimer's retirement. *MTEP Transformers.* https://newsroom.unl.edu/announce/mtep-transformers/19516/105021

Bondurant, L., Fernandes, A., & Weiland, T. (2025). Racial noticing in mathematics teacher education: Unpacking white southern Christian teacher candidates' reflections on data investigations of issues of systemic racism. *Journal of Theoretical and Marginalized Mathematics Education, 4*(1). https://doi.org/10.5281/zenodo.17956466

Bondurant, L. (2025). Nominate the MTEP for the 2028 ICMI Emma Castelnuovo award. *MTEP Transformers.* https://newsroom.unl.edu/announce/mtep-transformers/19217/103877

Jamison, B., & **Bondurant, L.** (2025). What mathematics educators can learn from collaborating with special educators. *FOCUS, 45*(4), 28-31. https://digitaleditions.walsworth.com/article/What+Mathematics+Educators+Can+Learn+from+Collaborating+with+Special+Educators/5035982/851836/article.html

Bertolone-Smith, C., Troup, J., **Bondurant, L.,** Moss, D., & Soto, H. (2025). Expanding the role of embodiment and teacher noticing in units coordination and construction. *Journal of Practitioner Research, 10*(1). https://digitalcommons.usf.edu/jpr/vol10/iss1/1

Herzig, A. H., & **Bondurant, L.** (2025). Connecting research to teaching: Goals for achieving diversity in mathematics classrooms. *Mathematics Teacher: Learning and Teaching PK-12*, *118*(7), 575-583. https://doi.org/10.5951/MTLT.2025.0236

May, K., & **Bondurant, L.** (2025). Representation matters: Students choose their study expert. *Mathematics Teacher: Learning and Teaching PK-12, 118*(7). https://doi.org/10.5951/MTLT.2024.0281

Bondurant, L., Rutherford, R., & Sharp, S. (2025). Integrating pedagogy and mathematics content in a content-focused professional development. *Mathematics Teacher Educator, 13*(3). https://doi.org/10.5951/MTE.2023-0045

Bondurant, L., & Jamison, B. (2025). DEI programs are designed to help white people too - here's how. *The Conversation.* https://doi.org/10.64628/AAI.6yw4hmp9h

Bondurant, L., & Jansen, A. (2025). Introducing rough draft math to preservice and novice mathematics teachers to support their efforts to foster student engagement and learning. *Journal of Mathematics Education Leadership, 26*(1), 20-31. https://www.mathedleadership.org/pubtype/journal/

Leadabrand, M. & **Bondurant, L.** (2025). Team of the quarter: Mississippi state. *MTEP Transformers.* https://newsroom.unl.edu/announce/mtep-transformers/18375/99448

Bondurant, L., & Roscioli, K. (2025). Escape the crop circle conundrum. *Scatterplot*, *2*(1). https://doi.org/10.1080/29932955.2024.2445893

Thanheiser, E., Velasco, R., Bay-Williams, J., **Bondurant, L.**, & Lai, Y. (2024). Critical conversations of engaging with the AMTE standards. *Journal for Theoretical & Marginal Mathematics Education, 3*(1). https://doi.org/10.5281/zenodo.14419590

Colonnese, M., Sapkota, B., Lee, C., **Bondurant, L**., Benoit, G., Pai, G., Howell, H., & Barno, E. (2024). Exploring simulations in mathematics teacher education. *Connections, 34*(2). https://amte.net/connections/2024/12/exploring-simulations-mathematics-teacher-education

Bondurant, L. (2024). Incremental growth through professional learning communities of math teachers engaged in action research projects. *Education Sciences, 14*(10), 1104. https://doi.org/10.3390/educsci14101104

Bondurant, L., & Somersille, S. (2024). Presidential elections provide opportunities to teach about power, proportions and percentages. *The Conversation.* https://theconversation.com/presidential-elections-provide-opportunities-to-teach-about-power-proportions-and-percentages-238152

Bondurant, L. (2024). Exploring preservice elementary teachers' reflections following facilitation of mathematics discussions in mixed-reality simulations. *Journal of Educational Research in Mathematics, 34*(3), 447-463. https://doi.org/10.29275/jerm.2024.34.3.447

King, B., Ramsay-Jordan, N., Burris, J., Orr, S., Desai, S., & **Bondurant, L**. (2024). The equity committee book club: Deepening comprehension and elevating conversations about equity. *Connections, 33*(5). https://amte.net/connections/2025/03/equity-committee-book-club-deepening-comprehension-and-elevating-conversations

Bondurant, L., & Young, J. (2024). Sorting out equity: The q-sort method in mathematics education research. *Journal of Urban Mathematics Education, 17*(1), 84-103. https://doi.org/10.21423/jume-v17i1

Bondurant, L. (2024). Skyscrapers. *FOCUS*, *43*(4), 40. Mathematics Association of America (MAA). http://digitaleditions.walsworthprintgroup.com/publication/?m=7656&i=827930&view=archiveBrowser&ver=html5

Hudson, R.**,** Stevens-Balducci, P., **Bondurant, L.,** Dean, L., Putnam, C. (2024). Embodied explorations of slope. *Mathematics Teacher: Learning and Teaching PK-12*, *117*(8), 570-578. https://doi.org/10.5951/MTLT.2023.0371

Bondurant, L. & Somersille, S. (2024). Cultivating critical statistical literacy in the classroom. *Mathematics Teacher: Learning and Teaching PK-12, 117*(7), 507-511. https://doi.org/10.5951/MTLT.2023.0303 and developed into a classroom resource.

Bondurant, L. (2024). Why expanding access to algebra is a matter of civil rights. *The Conversation.* https://theconversation.com/why-expanding-access-to-algebra-is-a-matter-of-civil-rights-231364

Berryhill, A., Chandler, L., **Bondurant, L.**, & Sapkota, B. (2024). Using ChatGPT as a thought partner in writing relevant proportional reasoning word problems. *Connections, 33*(4). https://amte.net/sites/amte.net/files/Connections%20%28Berryhill%29.pdf

Virden, C., Dean, L., & **Bondurant, L.** (2024). The impact of after-school math club on elementary student math anxiety. *Journal of Math Circles, 3*(1). https://digitalcommons.cwu.edu/mathcirclesjournal/vol3/iss1/2

Sapkota, B., & **Bondurant, L.** (2024). Assessing concepts, procedures, and cognitive demand of ChatGPT-generated mathematical tasks. *International Journal of Technology in Education*, *7*(2), 218-238. https://doi.org/10.46328/ijte.677

Bondurant, L., & McConchie, L. (2024). Drawing a positive math identity: Portrait of a math person. *Mathematics Teacher: Learning and Teaching PK-12, 117*(2), 115-120. https://doi.org/10.5951/MTLT.2023.0226

Boyd, S., **Bondurant, L.,** & Johnson, A. (2024). Adapt it! Create your own skyscraper puzzles. *Mathematics Teacher: Learning and Teaching PK-12, 117*(1), 47-51. https://doi.org/10.5951/MTLT.2023.0112

Bondurant, L., & Dean, L. (2023). Catapults, bouncy dice, and glowsticks: Coaching a crazy 8s club. *FOCUS,* 34-36. Mathematics Association of America (MAA). http://digitaleditions.walsworthprintgroup.com/publication/?i=809747

Bondurant, L., & Rivera, S. (2023). Catalyzing change for equitable participation. *Journal of Practitioner Research. 8*(2), 1-20. https://doi.org/10.5038/2379-9951.8.2.1242

Bondurant, L., & Reinholz, D. (2023). "Rahul is a math nerd" and "Mia can be a drama queen:" How mixed-reality simulations can perpetuate racist and sexist stereotypes, *Mathematics Teacher Educator*, *11*(3), 189-209. https://doi.org/10.5951/MTE.2021-0041

Brooks, L. A., Dixon, J. K., & **Bondurant, I. b. L.** (2023). Changing the rules to increase discourse, *Mathematics Teacher: Learning and Teaching PK-12*, *116*(6), 470-477. https://doi.org/10.5951/MTLT.2023.0087

Casey, S., **Bondurant, L.**, & Ross, A. (2023). Engaging teachers in the combination of statistical investigation and social justice: Fairness in school funding. *Mathematics Teacher Educator*, *11*(2), 139-142. https://doi.org/10.5951/MTE.2022.0016

Bondurant, L. (2022). Integrating community connections: The development of a teacher candidate's skills. *Connections, 32*(3), 1-5. https://amte.net/connections/2022/08/connections-thematic-articles-integration-mathematics-teacher-education

Bondurant, L. (2020). Reflections on changes in field-related experiences during COVID-19. *Connections, 30*(2), 1-4. https://amte.net/connections/2020/11/connections-thematic-articles-voices-field

Bondurant, L., Poling, L., & Moss, D. (2020). An analysis of preservice elementary teachers' professional noticing skills in a mathematics education setting. *Journal of Practitioner Research*, *5*(2). https://doi.org/10.5038/2379-9951.5.2.1156

Bondurant, L., & Odenwald, S. (2020). The aurora borealis: Dazzling STEM activity. *Science Teacher*, *88*(2). 54-62. https://www.nsta.org/science-teacher/science-teacher-novemberdecember-2020/aurora-borealis

Bondurant, L. (2020). Equitable mathematics classroom discourse. *Journal of Practitioner Research*, *5*(2). https://doi.org/10.5038/2379-9951.5.2.1146

Bondurant, S., McKinney, T., **Bondurant, L.**, & Fitzpatrick, L. (2020). Evaluation of a benzalkonium chloride hand sanitizer in reducing transient staphylococcus aureus bacterial skin contamination in health care workers. *American Journal of Infection Control. 48*(5), 522-526. https://doi.org/10.1016/j.ajic.2019.08.030

Bondurant, L. (2018). A-Maize-ing mathematics, *The Mathematics Teacher*, *111*(7), 540-544. https://doi.org/10.5951/mathteacher.111.7.0540

Cope, L. (2017). A circle in the delta: Extending a math science partnership. *Math Circular.* American Institute of Mathematics, 8-9. https://drive.google.com/file/d/13D7g6etU-of2kVvCEiup17VxYz-7Xw1U/view

Cope, L. (2017). Pizza options. *The Mathematics Teacher, 110*(6), 108-110. https://doi.org/10.5951/mathteacher.110.6.0408

Cope, L., & Huber, J. (2015). The impact of a professional development program on middle school math teachers' pedagogical content knowledge. *Delta Journal of Education. 5*(2), 19-32. https://www.academia.edu/19886680/The_Impact_of_a_Professional_Development_Program_on_Middle_School_Math_Teachers_Pedagogical_Content_Knowledge?source=swp_share

Cope, L. (2015). Math manipulatives: Making the abstract tangible. *Delta Journal of Education. 5*(1), 10-19. https://www.researchgate.net/publication/350785147_Math_Manipulatives_Making_the_Abstract_Tangible

Cope, L. (2014). Task analysis and implementation activities as vehicles for middle school math teacher growth. *Delta Journal of Education. 4*(2), 11-23. https://www.academia.edu/19886642/Task_Analysis_and_Implementation_Activities_as_Vehicles_for_Middle_School_Math_Teacher_Growth?source=swp_share

Cope, L., & Bussiere, K. (2014). Teachers' perceptions of the characteristics of highly effective coaches. *Delta Journal of Education*. *4*(1), 1-13. https://www.academia.edu/19886631/Teachers_Perceptions_of_the_Characteristics_of_Highly_Effective_Coaches?source=swp_share

Cope, L. (2013). The impact of teachers' characteristics and self-reported emphasis on standards-based mathematics practices on students' algebra achievement. *Delta Journal of Education*. *3*(2), 1-15. https://www.academia.edu/19886619/The_Impact_of_Teachers_Characteristics_and_SelfReported_Emphasis_on_Standards_Based_Mathematics_Practices_on_Students_Algebra_Achievement?source=swp_share

Journal Special Issue Editor

Currently Under Review

Giorgio, K., Sapkota, B., **Bondurant, L**., & Newton, J. Integration of Gen-AI into practice-based approaches to mathematics teacher education: Use, impacts, and directions. *Theory Into Practice.*

Book Editor

Lee, C., **Bondurant, L**., Sapkota, B., Howell, H. (2025). *Promoting equity in approximations of practice for mathematics teachers.* IGI Global. https://doi.org/10.4018/979-8-3693-1164-6

Evans, P., Germain-Williams, T., Suominen, A. (2017). **L., Cope,** & E. Serocki, Eds. *College pre-calculus.* CK-12. https://www.ck12.org/book/CK-12-College-Precalculus/

Krams, E. (2017). **L., Cope,** M. Sauceda, & E. Serocki, Eds. *Elementary and intermediate college algebra.* CK-12. https://www.ck12.org/book/CK-12-Elementary-and-Intermediate-College-Algebra/r15/

Guides

Liu, A., Zeller, A., Traynor, A., Sarmiento-Quezada, A., Walkington, C., Holtz, E., Pai, G., Lee, H., Sun, L., Bondurant, L., Burnett, S., Casey, S., Girtz, S., Sun, M. (2026). *AI integration as instructional design: Lessons from a cross-institutional faculty collaboratory in teacher preparation.* AmplifyGAIN Center. https://www.amplifylearn.ai/epp-collaboratory/

Bailey, A., **Bondurant, L.**, Houston, M., Kaufmann, D., Mace, K., & Vongsavanh, M. (2026). *Beyond the numbers: Observing math narratives in action*. Toolkit. Peachtree City, GA: Branch Alliance for Educator Diversity. https://resources.educatorexcellence.org/resources/beyond-the-numbers-observing-math-narratives-in-action

Barrett, D., **Bondurant, L.,** Deis, T., Falahola, B., Franz, D., Ordorica, C., Sturgill, D., & Kornblum, L. (2025). *Recruitment guide 2.0.* Mathematics Teacher Education Partnership. https://scimath.unl.edu/mtep/

Austin, J., Barnes, K., **Bondurant, L**., Droujkova, M., & Rose, L. (2025). *Leading a math teacher circle: Guide for facilitators*. American Institutes of Mathematics. https://mathcircles.org/organizers/

Book Chapters

Howell, H., Shaughnessy, M., Stengel, B., Lee, C., **Bondurant, L.**, Sapkota, B., Benoit, G., & Lai, Y. (2025). Editorial insights: Reflections on the volume and charge to the field. In C. Lee, **L. Bondurant,** B. Sapkota, & H. Howell (Eds.), *Promoting equity in approximations of practice for mathematics teachers* (pp. 395-414). IGI Global. https://doi.org/10.4018/979-8-3693-1164-6.ch017

Bondurant, L. (2024). Fighting shadows: Shedding light on academic bullying, empowering reflection, and igniting courage. In Nank, S., & Murawska, J. (2024). *Empathetic storytelling, Volume I: Igniting change in education* (pp. 218–234). Brill. https://brill.com/display/title/70165

Bondurant, L. (2024). Designing a gingerbread house. In S. Ferguson, S., & D. Polojac-Chenoweth (Eds.), *Implementing problem-based instruction in secondary mathematics classrooms* (pp. 35-42). Teachers College Press. https://www.tcpress.com/implementing-problem-based-instruction-in-secondary-mathematics-classrooms-9780807769287

Bondurant, L., Dean, L., & Hudson, R. (2022). Gender pay gap. In Berry, R. Q., Conway, B. M., Lawler, B., & Staley, J. W., *Middle school mathematics lessons to explore, understand, and respond to social injustice* (pp. 224-231). Corwin Press. https://us.corwin.com/books/middle-school-math-lessons-276346#contents

Mikeska, J. N., Webb, J., **Bondurant, L.**, Kwon, M., Imasiku, L., Domjan, H. N., & Howell, H. (2022). Using and adapting simulated teaching experiences to support preservice teacher learning. In *Redefining teacher education and teacher preparation programs in the post-COVID-19 era*, (pp. 46-78). IGI Global. https://doi.org/10.4018/978-1-7998-8298-5

Bondurant, L., & Amidon, J. (2021). Virtual field experiences as an opportunity to develop preservice teachers' efficacy and equitable teaching practice. In K. Hollebrands, Anderson, R., Oliver, K. (Eds.) *Online learning in mathematics education*, (pp. 317-334). Springer. https://doi.org/10.1007/978-3-030-80230-1_16

Conference Proceedings

Bondurant, L., Flaggs, D., & Edwards, B. (2026). Transforming preservice teachers' messaging through math narratives in mixed-reality simulations. In K. Leatham, Peterson, B., Siebert, D., & Teuscher, D. (Eds.). *Forty-eighth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Brigham Young University. https://www.pmena.org/proceedings/

Moss, D., Bertolone-Smith, C., & Troup, J., & **Bondurant, L.** (2026). Multimodal microanalysis: Extending professional noticing through embodied cognition. In K. Leatham, Peterson, B., Siebert, D., & Teuscher, D. (Eds.). *Forty-eighth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Brigham Young University. https://www.pmena.org/proceedings/

Anderson, F., Uhing, K., Santo, J., Pearson, F., **Bondurant, L.**, & Wrightsman, E. (2026). Using structural equation modeling to examine relationships between mathematics capital and other variables. In K. Leatham, Peterson, B., Siebert, D., & Teuscher, D. (Eds.). *Proceedings of the forty-eighth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Brigham Young University. https://www.pmena.org/proceedings/

Sapkota, B., Howell, H., Lee, C., & **Bondurant, L.** (2025). Editors' reflections: Insights on the role of approximations in practice-based mathematics teacher education. In R.M. Zbiek, Yao, X., McCloskey, A., & Arbaugh, F. (Eds.). *Proceedings of the forty-seventh annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Penn State University. 1825-1827. https://doi.org/ 10.51272/pmena.47.2025

Bondurant, L., Troup, J., Bertolone-Smith, C., Moss, D., Soto, H. (2024). Rehumanizing mathematics through multimodal microanalysis. In Kosko, K. W., Caniglia, J., Courtney, S. A., Zolfaghari, M., & Morris, G. A., (2024). *Proceedings of the*

forty-sixth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, 217-222. Kent State University. https://doi.org/10.51272/pmena.46.2024

Bondurant, L., & McConchie, L., (2024). Drawing a positive mathematics identity: Portrait of a maths person. *Proceedings of the 15th International Congress on Mathematical Education*. Sydney, Australia. https://icme15.org/

Bondurant, L., Fernandes, A., Simić-Muller, K., & Weiland, T. (2024). Engaging preservice elementary teachers in statistical investigations of systemic racism in school discipline data. *Proceedings of the 25th Annual Conference on Research in Undergraduate Mathematics Education.* Omaha, NE. http://sigmaa.maa.org/rume/Site/Proceedings.html

Troup, J., **Bondurant, L.**, Bertolone-Smith, C., Moss, D., Soto, H. (2024). Embodied noticing in mathematics: Pre-service teachers' observations and noticings. *Proceedings of the 25th Annual Conference on Research in Undergraduate Mathematics Education.* Omaha, NE. http://sigmaa.maa.org/rume/Site/Proceedings.html

Lee, C., **Bondurant, L.,** Sapkota, B., Howell, H., & Lai, Y. (2023). Final report: Conceptualizing ethics, authenticity, and efficacy of simulations in teacher education. In T. Lamberg, & Moss, D. (Eds.). *Proceedings of the forty-fifth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, 2,* 978-983. University of Nevada, Reno. https://doi.org/10.51272/pmena.45.2023

Sapkota, B., Lee, C., **Bondurant, L.,** & Howell, H. (2023). Approximations of practice and equity: Surveying the spaces. In T. Lamberg, & D. Moss (Eds.). *Proceedings of the forty-fifth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, *2,* 984-986. University of Nevada, Reno. https://doi.org/10.51272/pmena.45.2023

Bondurant, L., Moss, D., Bertolini-Smith, C., Poling, L., Soto, H., & Troup, J. (2023). Promoting rehumanizing mathematics through embodied-focused noticing. In T. Lamberg, & D. Moss (Eds.). *Proceedings of the forty-fifth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. University of Nevada, Reno, 514-519. https://doi.org/10.51272/pmena.45.2023

Bondurant, L., Howell, H., Kwon, M., Wilkerson, C.L., Lai, Y., & Sapkota, B. (2022). Final report: Preservice teacher learning of practice through simulated teaching experiences before, during, and after COVID. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J., Strayer, J., & Drown, S. (2022). *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Middle Tennessee State University, 2143-2149. https://doi.org/10.51272/pmena.44.2022

Wilkerson, C. L., **Bondurant, L.**, Lai, Y., Howell, H., Sapkota, B., & Kwon, M. (2022). Conceptualizing ethics, authenticity, and efficacy of simulations in teacher education. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J., Strayer, J., & Drown, S. (2022). *Proceedings of the forty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Middle Tennessee State University, 2126-2128. https://doi.org/10.51272/pmena.44.2022

Bondurant, L., Weber, M., Kane, G., & Groh, S. (2022). Undergraduate students' perceptions of interactive instructional videos. In E. Langran (Ed.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 702-706). San Diego, CA, United States: Association for the Advancement of Computing in Education (AACE). https://www.learntechlib.org/noaccess/220816/

Bondurant, L., Howell, H., Kwon, M., Wilkerson, C.L., & Lai, Y. (2021). Preservice teacher learning of practice through simulated teaching experiences before, during, and after COVID. In Olanoff, D., Johnson, K., & Spitzer, S. M. (2021). *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. Philadelphia, PA., 1938-1940. https://www.pmena.org/proceedings/

Kwon, M., Webb, J., Howell, H., Mikeska, J., **Bondurant, L.**, Imasiku, L., & Domjan, H. (2021). Designing and adapting simulated teaching experiences for preservice teacher learning of practice. In E. Langran & L. Archambault (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference* (pp. 1264-1268). Online, United States: Association for the Advancement of Computing in Education (AACE). https://www.learntechlib.org/primary/p/219282/

Bondurant, L., Poling, L., & Moss, D. (2020). Using video analysis to improve preservice elementary teachers' noticing skills. In Sacristán, A.I., Cortés-Zavala, J.C. & Ruiz-Arias, P.M. (Eds.). (2020). *Mathematics education across cultures: Proceedings of the 42nd Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Mexico. Cinvestav / AMIUTEM / PME-NA, 1461-1468. https://www.pmena.org/proceedings/

Bondurant, L., Putnam, C., & Townsend, C. (2019). The impact of inquiry-based learning techniques in college algebra. *Proceedings of the Louisiana-Mississippi Section of the Mathematical Association of America.* https://www.la-ms.maa.org/meeting

Dissertation

Cope, L. (2013). The impact of teachers' characteristics and self-reported practices on students' algebra achievement. *Legacy Theses & Dissertations (2009 - 2024).* 863. https://doi.org/10.54014/7ZTB-QES9

Blogs

Bondurant, L., & Howell, H. (2025). Conceptualizations of effective approximations of practice in mathematics teacher education. *AAAS American Association for the Advancement Advancing Research & Innovation in the STEM Education of Preservice Teachers in High-Needs School Districts (ARISE) Adaptations.* https://aaas-arise.org/2025/03/18/conceptualizations-of-effective-approximations-of-practice/?fbclid=IwY2xjawJGtntleHRuA2FlbQIxMQABHSDx2Z6zrmVVNGJnwtkCUNP1-vbqBwzcZ4ddL-nk4W7nOOxAsNBKms8pAg_aem_Rl6D1ixtMv35zTm-gg1hWQ

Bondurant, L., & Sapkota, B. (2025). Self-recording teaching using video conferencing platforms: enhancing reflection and practice. *Tech Talk.* Association of Mathematics Teacher Educators. https://amte.net/tech-talk/2025/03/self-recording-teaching-using-video-conferencing-platforms-enhancing-reflection

Bondurant, L., & Roscioli, K. (2022). Preservice teachers' perceptions of how virtual manipulatives promote equity. *Tech Talk.* Association of Mathematics Teacher Educators. https://amte.net/tech-talk/2022/11/preservice-teachers%E2%80%99-perceptions-how-virtual-manipulatives-promote-equity

Bondurant, L. (2022). IM curriculum provides everything but the kitchen sink needed for lesson planning. *Illustrative Mathematics.* https://illustrativemathematics.blog/2022/03/30/im-curriculum-provides-everything-but-the-kitchen-sink-needed-for-lesson-planning/

Cope, L., Failing, D., & Long, N. (2015). Many voices are greater than one. *Math Ed Matters.* Mathematical Association of America. https://maamathedmatters.blogspot.com/2015/10/many-voices-are-greater-than-one.html

Book Alt Text

Bondurant, L. (2019). 6-8 Curriculum Alt Text. *Imagine Learning 2019 version of the llustrative Mathematics curriculum.* https://ilclassroom.com/wikis/283655-contributors

Bondurant, L. (2019). 9-12 Curriculum Alt Text. *Imagine Learning 2019 version of the llustrative Mathematics curriculum.* https://ilclassroom.com/wikis/316504-contributors

Educational Game

Bondurant, L. (2020). Crop circle conundrum. *BreakoutEDU*. https://platform.breakoutedu.com/game/play/crop-circles-mystery-423601

PRESENTATIONS

Wilkes, C., DeFino, R., Suh, J., **Bondurant, L**., Wilson, J., Lolkus, M., Jasien, L., Castañeda, S., & Fletcher, N. (2027). *Association of Mathematics Teacher Educators Conference*. Baltimore, MD.

Colonnese, M., **Bondurant, L**., Lee, C. (2027). Approximations of Practice Working Group. *Association of Mathematics Teacher Educators Conference*. Baltimore, MD.

Flaggs, D., Edwards, B., Miles, U., Salisbury, S., & **Bondurant, L.** (2027). Learning to deliver math narrative messaging through practice-based experiences. *Association of Mathematics Teacher Educators Conference*. Baltimore, MD.

Waddell, G., Dyess, S., Amick, L., Lee, J., **Bondurant, L**., & Edgington, C. (2027). Spotlighting successes and updates in math teacher recruitment with GFO 2.0. *Association of Mathematics Teacher Educators Conference*. Baltimore, MD.

Auslander, S., **Bondurant, L.**, Candela, A., Hallman, A., Reiten, L., & Vomvoridi-Ivanovic, E. (2027). Showcase your scholarly work: Learn about AMTE's various publications and discuss with editors. *Association of Mathematics Teacher Educators Conference*. Baltimore, MD.

Bondurant, L., Murawska, J., Roscioli, K., & Brewer, T. (2026). *Engaging mathematics education research-practice partnerships in improvement science.* National Council of Teachers of Mathematics Annual Conference. Denver, CO.

Bondurant, L., Flaggs, D., & Edwards, B. (2026). *Transforming preservice teachers' messaging through math narratives in mixed-reality simulations*. Forty-eighth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Brigham Young University.

Moss, D., Bertolone-Smith, C., & Troup, J., & **Bondurant, L.** (2026). *Multimodal microanalysis: Extending professional noticing through embodied cognition.* Forty-eighth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Brigham Young University.

Anderson, F., Uhing, K., Santo, J., Pearson, F., **Bondurant, L.**, & Wrightsman, E. (2026). *Using structural equation modeling to examine relationships between mathematics capital and other variables*. Forty-eighth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Brigham Young University.

Pitts, J., Dauzat, A., & **Bondurant, L.** (2026). *Cultivating rehumanizing embodied approaches to education (CREATE) math.* Mississippi Council of Teachers of Mathematics Conference. Starkville, MS.

Addison, A., Arledge, A., **Bondurant, L.,** Bradford, I., Davidson, K., Fulgham, S., Rusk, S., Salisbury, S., & Welton, B. (2026). *Introducing the math narrative project.* Mississippi Council of Teachers of Mathematics Conference. Starkville, MS.

Fitts, L., Rozier, P., Murawska, J., & **Bondurant, L.** (2026). *Communication protocols for rehumanizing research-practice partnerships*. Mathematical Association of America Annual Conference. Boston, MA.

Bondurant, L., Dauzat, A., Fitts, L., Hill, C., Jamison, B., & Scarpulla, M. (2026). *Game on: The ultimate problem-solving playbook.* Mathematical Association of America Annual Conference. Boston, MA.

Arnold, L., DuCloux, K., Haines, M., Patterson, C., & **Bondurant, L.** (2026). *Future directions in Pre-K-12 mathematics teacher preparation.* Mathematical Association of America Annual Conference. Boston, MA.

Perrett, J. & **Bondurant, L.** (2026). [Invited]. *What's going on with this graph? Engaging in critical statistical literacy.* American Statistical Association Stats & Data Net Conference.

Bondurant, L., & Young, J. (2026, May 6). [Invited]. *Sorting out beliefs about math education*. University of Texas - Rio Grande Valley.

Bondurant, L., Flaggs, D., & Perez, R. (2026, April 9). [Invited]. *Beyond the numbers: Observing math narratives in action*. BranchEd. https://resources.educatorexcellence.org/resources/webinar-beyond-the-numbers-observing-math-narratives-in-action

Bondurant, L. (2026). [Invited]. *Teaching math for social justice*. Clark Atlanta University.

Bondurant, L., & Perrett, J. (2026). *What's going on with this graph? Engaging in critical statistical literacy.* Association of Mathematics Teacher Educators Pre-Conference. Portland, OR.

Flaggs, D., Edwards, B., & **Bondurant, L**. (2026). *Practicing equitable and ambitious mathematics teaching through mixed-reality simulations and math narratives.* Association of Mathematics Teacher Educators Pre-Conference. Portland, OR.

Ivy, J., **Bondurant, L**., Franz, D., Fitts, L., & Wan, A. (2026). *A review of US education policy on integrating science and math teaching and learning.* Association of Mathematics Teacher Educators Pre-Conference. Portland, OR.

Burnett, S., Gibson, A., Kalenic-Craig, K., Koestler, C., Neihous, A., Rupe, K., Whipple, K., & **Bondurant, L**. (moderator). (2026). *Ways to advocate: Using your voice to create change*. Association of Mathematics Teacher Educators Conference. Portland, OR.

Fernandes, A., & **Bondurant, L**. (2026). *Engaging preservice teachers with critical mathematics activities in current times.* Association of Mathematics Teacher Educators Conference. Portland, OR.

Bondurant, L., Valenzuela, A., Wright, K., & Dauzat, A. (2025). *Teacher researchers in action: Improvement science-driven innovation.* MCTM Conference. Pearl, MS.

Howell, H., Sapkota, B., Lee, C., & **Bondurant, L.** 2025. *Editors' reflections: Insights on the role of approximations in practice-based mathematics teacher education.* PME-NA. State College, PA. https://www.pmena.org/

Bondurant, L., Lee, C., Sapkota, B., & Howell, H. (2025). [Invited Research Presentation]. *Promoting equity in approximations of practice for mathematics teachers.* NCTM Research Conference. Atlanta, GA.

Austin, J., Barnes, K., **Bondurant, L.,** Droujkova, M., & Rose, L. (2025). *Leading a math teacher circle: Guide for facilitators*. MAA Conference. Sacramento, CA.

Barno, E., **Bondurant, L.,** Colonnese, M., Howell, H., Lee, C., Pai, G., & Sapkota, B. (2025). [Invited]. *Exploring practice-based experiences in mathematics teacher education: Rehearsals, scenarios, and simulations*. California State University - Long Beach. https://www.csulb.edu/mathematics-statistics/mathematics-colloquium

Bondurant, L., & Roscioli, K. (2025). *Escape the crop circle conundrum.* [Invited Webinar]. MAA Webinar. https://maa.org/virtual-programming-archive/

Colonnese, M., Pai, G., **Bondurant, L**., Lee, C., Howell, H., Sapkota, B., & Young, J. (2025). *Rehearsals, simulations, and scenarios: Exploring practice-based experiences in mathematics teacher education.* AMTE Conference. Reno, NV. https://amte.net/content/2025-annual-amte-conference

Barno, E., **Bondurant, L.**, Colonnese, M., Howell, H., Lee, C., Pai, G., & Sapkota, B. (2025). [Invited Session]. *Examining practice-based experiences in mathematics teacher education: Rehearsals, simulations, and scenarios*. Mathematics and Statistics Education Group (MSEG). Utah State University. https://www.usu.edu/math/kohler/mseg.html

Bondurant, L., Troup, J., Bertolone-Smith, C., Moss, D., & Soto, H. (2024). *Rehumanizing mathematics through multimodal microanalysis*. PME-NA. Cleveland, OH. https://www.pmena.org/

Bondurant, L., & Cook, C. (2024). *Teacher Talk.* MCTM Conference. Hattiesburg, MS. https://www.mctmonline.com/

Murawska, J., Nank, S., **Bondurant, L.**, Nank, K., Palmquist, J., Palmquist, M.J., & Steele, M. (2024). *Nurturing mathematical identities through shared journeys and empathetic storytelling.* NCTM Conference. Chicago, Illinois. https://www.nctm.org/annual/

Amick, L., Apraiz, K., **Bondurant, L.**, & Davies, K. (2024). *Cross-institutional efforts to recruit and retain students in secondary mathematics teacher preparation programs*. National Council of Supervisors of Mathematics Conference. Chicago, Illinois. https://www.mathedleadership.org/56th_annual_conference/

deAraujo, Z., Clark, T., **Bondurant, L.**, & Steele, M. (2024). [Invited Panelist]. *Instructional practices to increase student opportunities*. MAA Conference. Indianapolis, Indiana. https://maa.org/meetings/maa-mathfest

York, C., Hodge-Zickerman, A., **Bondurant, L.**, & Stade, E. (2024). *TACTivities explored: Understanding instructor and student perspectives in math education.* MAA Conference. Indianapolis, Indiana. https://maa.org/meetings/maa-mathfest

Bondurant, L., Hodge-Zickerman, A., & York, C. (2024). *Secondary mathematics teacher candidates' perceptions of a statistics TACTivity designed to support equitable teaching practices.* MAA Conference. Indianapolis, Indiana. https://maa.org/meetings/maa-mathfest

Bondurant, L., York, C., Hodge-Zickerman, A., & Stade, E. (2024). *Promoting equitable teaching practices through TACTivities: A case in teaching statistics.* Civics of Technology Annual Conference. https://www.civicsoftechnology.org/2024conference

Bondurant, L., & McConchie, L., (2024). *Drawing a positive math identity: Portrait of a math person*. The 15th International Congress on Mathematical Education. Sydney, Australia. https://www.mathunion.org/icmi/publications/icme-proceedings-and-publications

Bondurant, L., Fernandes, A., Simić-Muller, K., & Weiland, T. (2024). *Engaging preservice elementary teachers in statistical investigations of systemic racism in school discipline data*. Special Interest Group of the Mathematical Association of America on Research in Undergraduate Mathematics Education (SIGMAA on RUME) Annual Conference. Omaha, NE. https://www.unomaha.edu/college-of-arts-and-sciences/mathematics/conferences/sigmaa-on-rume.php

Troup, J., **Bondurant, L**., Moss, D., Bertolone-Smith, C., & Soto, H. (2024). *Embodied noticings in mathematics: Pre-service teachers' observations and noticings.* Special Interest Group of the Mathematical Association of America on Research in

Undergraduate Mathematics Education (SIGMAA on RUME) Annual Conference. Lincoln, NE. https://www.unomaha.edu/college-of-arts-and-sciences/mathematics/conferences/sigmaa-on-rume.php

Bondurant, L., Benoit, G., Young, J., Howell, H., Wilburne, J., Franz, D., & Jakobson, E. (2024). *Promoting growth through critical transformative pedagogies of practice.* AMTE Conference. Orlando, FL. https://amte.net/content/2024-annual-amte-conference

Bay-Williams, J., **Bondurant, L.**, Lai, Y., Thanheiser, E. & Velasco, R. (2024). [Invited Opening Session Panelist]. *The AMTE standards for preparing teachers of mathematics: Revisiting the standards in 2024.* AMTE Conference. Orlando, FL. https://vimeo.com/913883594

Fernandes, A., Simic-Muller, K., **Bondurant, L.**, & Weiland, T. (2024). Making moves with real data in CODAP. *Mathematics Educator Appreciation Day Conference* (MEAD). University of Arizona. https://crr.math.arizona.edu/mead-conference

Bondurant, L., Roscioli, K. (2023). [Invited Webinar]. *Promoting equitable practices with brainingcamp.* Brainingcamp Webinar. https://www.brainingcamp.com/webinars

Bondurant, L. (2023). *MCTM awards, scholarships, and grants*. MCTM Conference. Oxford, MS.

Cook, C., & **Bondurant, L.** (2023). *Population education.* MCTM Conference. Oxford, MS.

Bondurant, L., Kulow, T., Cannon, S., Gallagher, M., Byun, S. (2023). [Invited Workshop Session]. Empowering prospective teachers to address inequity with EQUIP. AMTE Virtual Institute. https://amte.net/content/amte-virtual-institute-0

Bondurant, L., Moss, D., Bertolone-Smith, C., Poling, L., Soto, H., & Troup, J. (2023). *Rehumanizing mathematics through embodiment-focused noticing.* PME-NA Conference. Reno, NV.

Sapkota, B., Lee, C., **Bondurant, L.**, & Howell, H. (2023). *Approximations of practice and equity: Surveying the spaces.* PME-NA Conference. Reno, NV.

Bondurant, L. (2023). [Invited Lightning Talk & Poster]. *Algorithms, fairness, equity*. UC Berkeley SLMath Workshops 1050 & 1051. https://www.slmath.org/workshops/1050#videos_workshop

Bondurant, L., Troup, J., & Soto, H. (2023). *Rehumanizing mathematics through embodied-focused noticing.* MAA MathFest. Tampa, FL.

Bailey, A., & **Bondurant, L.** (2023). *Building thinking classrooms: A collaborative self-study.* Louisiana/Mississippi Section of the MAA. Oxford, MS.

Bondurant, L., Wilburne, J., & Franz, D. (2023). *Using the FAIR framework to engage in critical conversations and foster the development of educator mindsets for equity*. Association of Mathematics Teacher Educators Annual Meeting. New Orleans, LA.

Anhalt, C., **Bondurant, L.**, Casey, S., Cortez, R., Kohler, B., & Tidwell, W. (2023). *Advancing content knowledge together with critical consciousness in teacher preparation.* Association of Mathematics Teacher Educators Annual Meeting. New Orleans, LA.

Wilkerson, C.L., **Bondurant, L.**, Lai, Y., Howell, H., Sapkota, B., & Kwon, M. (2022). *Conceptualizing ethics, authenticity, and efficacy of simulations in teacher education*. 44th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education. Nashville, TN.

Bondurant, L., Dean, L., & Putnam, C. (2022). *A more positive approach to the slope.* Mississippi Council of Teachers of Mathematics Conference. Pearl, MS.

Bondurant, L. (2022). [Invited presentation]. *Persistence through leadership and solutions*. Sponsored by Wiley Publishing at Reunite, Reconnect, Re-ignite North American Sales Meeting in Key Biscayne. FL.

Bondurant, L. (2022). [Invited presentation]. *Mathematical mindsets to promote equity*. Sponsored by The North Mississippi Education Consortium at the For the Love of Math conference in Oxford, MS.

Bondurant, L., Weber, M., Kane, G., & Groh, S. (2022). *Undergraduate students' perceptions of interactive instructional videos.* Society for Information Technology & Teacher Education Conference. San Diego, CA.

Amidon, J., **Bondurant, L.**, & Franz, D. (2022). *Get the facts out on math teacher recruitment & retention.* Mississippi Council of Teachers of Mathematics Conference. Perkinson, MS.

Bondurant, L., & Rivera, S. (2022). *Reflecting on implicit biases & participation patterns.* Association of Mathematics Teacher Educators Conference. Henderson, NV.

Franz, D., & **Bondurant, L.** (2022). *Mathematics teacher education partnership: Collaborating to address common challenges.* Association of Mathematics Teacher Educators Conference. Henderson, NV.

Bondurant, L., & Amidon, J. (2022). *Uncovering implicit biases to use more equitable teaching practices.* National Council of Teachers of Mathematics (NCTM) Regional Conference. New Orleans, LA.

Bondurant, L., Howell, H., Kwon, M., Wilkerson, C.L., & Lai, Y. (2021). *Preservice teacher learning of practice through simulated teaching experiences before, during, and after COVID*. 43rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.

Bondurant, L., Poling, L., & Moss, D. (2021). *Using video analysis to improve preservice elementary teachers' noticing skills.* 42nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.

Truitt, T., & **Bondurant, L.** (2021). *Selecting quality materials to increase equity and access for students.* NCTM Conference. Atlanta, GA.

Bondurant, L. (2021). *Gaining confidence, knowledge, and skills through virtual rehearsals* in the Symposium "Opportunities and Challenges Associated with Approximations of Practice in Teacher Education Programs." AERA Virtual Conference.

Kwon, M., Howell, H., Mikeska, J., Webb, J., **Bondurant, L.**, Imasiku, L., & Domjan, H. (2021). *Designing and adapting simulated teaching experiences for preservice teacher learning of practice*. Society for Information Technology & Teacher Education International Virtual Conference.

Bondurant, L. (2021). *Virtual rehearsals: Using a virtual classroom to improve mathematics teaching efficacy and practice.* AMTE Virtual Conference.

Poling, L., **Bondurant, L.**, & Moss, D. (2021). *Video analysis: Developing prospective elementary teachers' noticing.* AMTE Virtual Conference.

Bondurant, L. (2020). [Invited talk]. *Effective group learning in the STEM classroom.* Wiley Publishing Higher Education STEM Teaching Conference. San Antonio, TX.

Bondurant, L. (2020). *Quantifying participation patterns in mathematics classroom discourse: A self-study.* AMTE. Phoenix, AZ.

Virden, L., & **Bondurant, L.** (2019). *Crazy 8's: Season 2*. MCTM. Hattiesburg, MS.

Bondurant, L., Putnam, C., & Townsend, C. (2019). *The impact of IBL on student success.* Louisiana/Mississippi (LA/MS) Section of the MAA. Clinton, MS.

Bondurant, L. (2019). *How do AMTE affiliates apply problem-solving processes to current issues in mathematics education?* AMTE Conference. Orlando, FL.

Bondurant, L. (2018). *Panther hunt.* NCTM Regional Conference. Kansas City, MO.

Virden, L., & **Bondurant, L.** (2018). *Crazy 8's: Making math as great as dessert!* MCTM. Columbus, MS.

Bondurant, L. (2018). *Building rural K-8 math teachers' confidence, knowledge, and skills.* AMTE Conference. Houston, TX.

Bondurant, L. (2018). *Lessons from Japanese Math Education.* Japan Studies Institute. San Diego, CA. https://aascu.sdsu.edu/2018JSI/Fellows&Projects.html

Cope, L., & Virden, L. (2017). *Monogramming math.* MCTM Conference. Madison, MS.

Cope, L., & Griffin, L. (2017). *Do you "read" math? YES! ...through literature*. NCTM Annual Conference. San Antonio, TX.

Cope, L. (2016). *How integrating IBL & TBL has transformed my classes.* NCTM Regional Conference. Phoenix, Arizona.

Cope, L. (2016). *Response tools, learning games, and apps… oh my!* MCTM Conference. Ellisville, MS.

Cope, L., Hebert, D., Lott, K., Belenchia, E. (2016). *Impact of MSP on middle school math teachers' pedagogical content knowledge (PCK).* U.S. Department of Education's Mathematics and Science Partnerships (MSP) Conference. Baltimore, MD.

Cope, L. (2016). *Readiness assurance process (RAP).* LA/MS Annual Section MAA Meeting. Shreveport, LA.

Cope, L. (2015). *Teachers' perceptions of the characteristics of highly effective coaches.* NCTM Conference. Nashville, TN.

Cope, L. (2015). *Engaging middle school probability & statistics tasks.* MCTM. Oxford, MS.

Cope, L., Rivera, S. (2015). *Virtual and concrete educational games for science and mathematics.* New York State Master Teacher Program Saturday Workshops. University at Albany. Albany, NY.

Cope, L. (2015). *Technology tools for engaged learning.* Technology in Teaching Symposium. Cleveland, MS.

Cope, L., Veiga, D. (2015). *Introduction to GeoGebra.* LA/MS Section of the MAA Conference. Gulfport, MS.

Cope, L. (2014). *The use of task analysis and implementation model.* U.S. DOE MSP Conference. Washington, DC.

Cope, L., Virden, L. (2014). *Nailing math.* MCTM Conference. Clinton, MS.

Cope, L. (2014). *Inquiry into teaching and learning: Analysis of instruction and student work.* MAMTE Conference. Oxford, MS.

Cope, L. (2014). *The impact of teachers' characteristics and self-reported standards-based practices on students' algebra achievement.* AERA Annual Meeting. Philadelphia, PA.

Cope, L. (2014). *Tessellations.* MAA Student Chapter Meeting. Cleveland, MS.

Cope, L. (2013). *Unpacking the Common Core State Standards.* MCTM. Biloxi, MS.

Cope, L. (2013). *The impact of technological resources on students' mathematics achievement.* National Assessment of Educational Progress (NAEP) High School Transcript Study (HSTS) 2009 Database Training Seminar, Washington, DC.

Cope, L. (2013). *Teaching for mathematical proficiency.* Hudson Valley Association of Mathematics Teachers of New York State Conference. Albany, NY.

Cope, L. (2013). *Teaching for mathematical proficiency.* Institutions and Societies Graduate Student Conference. Albany, NY.

Cope, L. (2011). *Mathematical identity.* Hudson Valley Association of Mathematics Teachers of New York State Conference. Schenectady, NY.

Cope, L. (2010). *A graduate student with pedagogical expertise's perceptions of the roles of the students and teacher in an ideal secondary mathematics classroom.* Albany Consortium for Research in Instructional Design and Technology. Albany, NY.

Cope, L. (2010). *Self-regulated learning, reflective learning journals, and teaching mathematics for understanding online.* Teachers College at Columbia University Educational Technology Conference. Columbia University, NYC.

Cope, L. (2005). *Knot theory.* Hudson River Undergraduate Mathematics Conference. Williamstown, MA.

Audio Recordings of Interviews

Bondurant, L. (2025, July 4). Incremental growth through Professional Learning Communities of math teachers engaged in action research projects. Otten, S. (Host). Digest 12 - Special Issue on Incremental Professional Development. *Math Ed Podcast.* https://www.podomatic.com/podcasts/mathed/episodes/2025-07-04T15_28_49-07_00 and https://youtu.be/AekdAt5jSmE?si=0ovrsVQX8t2AA9Hi

Benoit, G., **Bondurant, L.,** Howell, H., Sapkota, B., & Shaughnessy, M. (2025, June 10). [Invited Interview]. Can simulation train equitable teaching? Lesser, M. (Host). *No Such Thing: Education in the Digital Age.* https://podcasts.apple.com/us/podcast/can-simulation-train-equitable-teaching/id1279984850?i=1000712337390

Bondurant, L., & Jansen, A. (2025, April 11). [Invited Interview]. Building a vision for everyone to belong. *National Council of Supervisors of Mathematics (NCSM).* https://podcasts.apple.com/us/podcast/episode108-jmel-authors-building-a-vision-for/id340703550?i=1000703118018

Whipple, K., Ortiz, E., Lee-Hassan, A., & **Bondurant, L.** (2024, April 10). [Invited Interview]. Engaging in advocacy, previewing advocacy around disability, and shoulder tapping. Amidon, J., & Wolfe, J. (Hosts). *Teaching Math Teaching.* https://www.teachingmathteachingpodcast.com/91

Bondurant, L., & Reinholz, D. (2023, September 12). [Invited Interview]. "Rahul is a math nerd" and "Mia can be a drama queen": How mixed-reality simulations can perpetuate racist and sexist stereotypes. Thanheiser, E. (Host). *Mathematics Teacher Educator. https://podcasts.apple.com/us/podcast/mathematics-teacher-educator-podcast/id1451375639?i=1000627682407*

Bondurant, L., & Reinholz, D. (2023, August 30). [Invited Interview]. Fixing bias in teacher training simulations. Lesser, M. (Host). *No Such Thing.* https://shows.acast.com/5985c925950a13467cfb1e04/episodes/bias-in-teacher-training-simulations

Casey, S., & **Bondurant, L.** (2023, May 15). [Invited Interview]. Engaging teachers in the combination of statistical investigation and social justice: Fairness in school funding. Thanheiser, E. (Host). *Mathematics Teacher Educator*. https://mtepodcast.amte.net/50

Video Recordings of Interviews and Presentations

Bondurant, L., Flaggs, D., & Perez, R. (2026, April 9). [Invited Panelist]. *Beyond the numbers: Observing math narratives in action*. BranchEd. https://resources.educatorexcellence.org/resources/webinar-beyond-the-numbers-observing-math-narratives-in-action

Bondurant, L. (2025, May 9). [Invited Interview]. *Relationships before rigor*. Mississippi State Online. https://youtu.be/_ZHnM7e2N7c?si=N1BKP3XYX2MiNsCZ

Bondurant, L., & Roscioli, K. (2025, April 22). [Invited Presentation]. *Escape the crop circle conundrum.* Mathematical Association of America. https://events.zoom.us/ev/Am0mxS8nWtqYbHbjcz4FzXjBxg1V_AplrllRME9RWlFPGlN6H8gV~AiKVvOtIGotTdqRASzXVa5JhwBk4oL1cJ8Gel3Ece_k5nsn7aA1TGhdEJQ

Bondurant, L. (2024, April 1). [Invited Interview]. *Unlocking the mathematical mindset: Why we are all math people*. Wiley. https://youtu.be/dJY7m3FOEww?si=1ojXDs_j4g5EkotQ

Bondurant, L. (2024, February 1). [Invited Interview]. *A teacher's inspiring journey*. Wiley. https://youtu.be/yOaW3nFb1tM?si=wyoq1rB9PH2WJcbq

Bay Williams, J., **Bondurant, L**., Lai, Y., Thanheiser, E., & Velasco, R. (2024, February). [Invited Opening Session Panelist]. *The AMTE standards for preparing teachers of mathematics.* Association of Mathematics Teacher Educators Annual Meeting. Orlando, FL. https://vimeo.com/913883594

Bondurant, L., & Roscioli, K. (2023, December). [Invited Presentation]. *Promoting equitable practices with brainingcamp.* https://www.brainingcamp.com/webinar/753823334

Bondurant, L. (2023). [Invited Lightning Talk & Poster]. *Algorithms, fairness, equity*. UC Berkeley SLMath Workshops 1050 & 1051. https://www.slmath.org/workshops/1050#videos_workshop

Bondurant, L. (2022, November 7). [Invited Presentation]. *Becoming a more equitable math educator*. STEM Teacher Leadership Network. https://stemtlnet.org/video-showcase/becoming-more-equitable-math-educator.html

Bondurant, L. (2022, October 5). [Invited Presentation]. *World teacher's day.* Wiley. https://www.linkedin.com/feed/update/urn:li:activity:6983423843633668096/

Bondurant, L. (2021). [Invited Presentation]. *Growth mindset*. Association of Colleges and University Educators (ACUE). https://vimeo.com/463085227/3a11316bb1

GRANTS

Including Participant, Co-PI, PI
Funded (n=44; $17,620,093)
Under Review (n=2; $2,579,201)
Not Funded (n=27; $4,816,163.00)

Funded

Dates	Project Title	Funding Source	Amount	Role
2025-2030	National STEM Teacher Corps Pilot Program: Mississippi STEM Education Alliance (MSEA)	NSF	$4,993,005	Co-PI
2026-2027	Mississippi State University - AmeriCorps Tutoring Program	AmeriCorps	$663,390	PI
2026-2027	Undergraduate Research grant	ORED	$2,000	co-PI
2026-2027	Cultivating Rehumanized Embodied Approaches to Education (CREATE Math)	MAA	$8,000	PI
Sept-26	Developing regional networks of Math Teacher Circles	AIM Math Travel Grant	$2,000	Participant

Apr-26	Travel grant to attend the Critical Issues in Mathematics Education (CIME) in Berkeley	SLMath	$1,040	Participant
Mar-26	Travel grant to attend the Smithsonian Science Education Summit in Philadelphia	Smithsonian Institute	$2,000	Participant
Feb-26	Travel grant to attend AI sim training in Atlanta	Gates Foundation	$2,500	Participant
Spring 2026	Starkville Math Makes Movement (SM3)	MTEP Mini-Grant	$10,000	PI
February 2026	Travel grant to attend AMTE	MTEP	$756	Participant
2025-2026	Building Thinking Classrooms at Partnership	MTEP Mini-Grant	$10,560	PI
2025-2026	AmeriCorps planning grant program	AmeriCorps	$74,983	PI
Sept-25	SEC Travel Grant	SEC	$425	Participant
2025-2026	Opening Gates for Prospective Math Teachers in Rural Mississippi	NCTM MET	$490	PI
2025-2026	Cultivating Rehumanized Embodied Approaches to Education (CREATE Math)	MAA Tensor	$6,000	PI
Apr-25	Travel grant to attend the Critical Issues in Mathematics Education (CIME) in Berkeley	SLMath	$2,000	Participant
Mar-25	Travel grant to attend the Smithsonian Science Education Summit in DC	Smithsonian Institute	$2,000	Participant
2024-2025	TODOS' math mindset resources for educators project	Gates Foundation	$7,000	Team member
2024-2025	Math Circle Grant	AIM	$1,000	Lead
2024-2025	Bulldog Experience Grant	MSU	$3,847	Lead
2024-2025	Disrupting Injustice Book Club	MTEP	$400	Lead
Nov-23	Travel grant to attend the American Association for Employment in Education in Chicago, IL	Get the Facts Out	$2,000	Participant
2022-2026	Using Networked Improvement Communities to Scale Up Program Transformation for Secondary Mathematics Teacher Preparation	NSF DUE	$1,837,638	Participant & team leader for MS State
2022-2026	Using Networked Improvement Communities to Scale Up Program Transformation for Secondary Mathematics Teacher Preparation	NSF DUE	$1,162,362	Participant & team leader for MS State
2023-2025	Supporting the Development of Mathematics Preservice Teachers' Critical Consciousness through Statistical Investigations of Systemic Racism	NSF DUE	$299,993	Participant & co-investigator
2022-2023	Opening Gates for Prospective Teachers	NCTM MET	$500	Lead
2022	Stay the Course Travel Grant for student and I to attend Wiley event at Ritz Carlton Key Biscayne, FL	Wiley	$4,000	Participant
2022	International Congress of Mathematics (NSF) in St. Petersburg, Russia	AMS, NSF	$3,500	Participant
2021-2022	Mathematics of Doing, Understanding, Learning and Educating for Secondary Schools	NSF DUE	$264,941	Participant & co-investigator
2020-2021	Learning to Teach During COVID-19: Leveraging Simulated Classrooms as Practice-Based Spaces for Preservice Elementary Teachers within Online Teacher Education Courses	NSF DRL	$199,440	Participant & co-investigator
2020	MCTM Classroom Grant	MCTM	$500	Lead
2020-2022	Stay the Course Student Supplies Grants	Wiley	$1,200	Lead

2019-2020	Embodied Mathematical Imagination and Cognition: Professional Development for Undergraduate Mathematics Instructors	NSF DUE	$49,326	Participant & co-investigator
2018-2019	The Elementary Mathematics Project	NSF DUE	$2,000,000	Participant
2018	Japan Studies Institute Travel Grant & Scholarship	American Association of State Colleges and Universities (AASCU)	$10,000	Participant
2016-2017	Enhancing Statistics Teacher Education with E-Modules	NSF IUSE	$1,500,000	Participant
2015-2016	Math Teachers' Circle Seed Grant	American Institute of Mathematics (AIM)	$2,000	Lead
2015	PROfessional Development and Uptake through Collaborative Teams (PRODUCT) Supporting Inquiry Based Learning in Undergraduate Mathematics	NSF DUE	$2,436,349	Participant
2015-2018	Math Science Partnership Grant	US DOE, NSF	$1,118,352	Co-PI
2012-2015	Math Science Partnership Grant	US DOE, NSF	$924,096	Co-PI
2008-2009	Smartboard and Senteo Interactive Devices	US DOE	$2,500	Lead
2008-2009	Creating Formative Assessments Aligned with NY State Math Tests	US DOE	$3,000	Lead
2007-2008	Creating Curriculum Aligned with NY State Math Tests	US DOE	$3,000	Lead
2007-2009	Hook Students to Algebra with Technology	Donor's Choose	$2,000	Lead

Under Review

Submitted	Project Title	Funding Source	Amount	Role
Jun-26	Grow Your Own: A Rural Residency for Collaborative Excellence	DOL DOEd	$2,491,536	co-PI
May-26	Enhancing Mississippi's STEM Education Pathway	SLOAN	$87,665	co-PI

MEMBERSHIPS

Association of Mathematics Teacher Educators, 2015 – present.
Mississippi Association of Mathematics Teacher Educators, 2013 – present.
National Council of Teachers of Mathematics, 2009 – present.
Mississippi Council of Teachers of Mathematics, 2013 – present.
Mathematics Association of America, 2023 – present.
Louisiana Mississippi Section of the Mathematics Association of America, 2013 – present.
Mathematics Teacher Education Partnership, 2021 – present.
Southeastern Conference Mathematics Education Community, 2023 – present.
National Council of Supervisors of Mathematics, 2024 – 2025.
Council of Exceptional Children, 2025 – present.
TODOS, Mathematics for All, 2024 – present.
American Educational Research Association, 2009 – 2014.
Association of Mathematics Teachers of New York, 2005 – 2013.

PUBLIC and PROFESSIONAL SERVICE

Mississippi Department of Education

- Mathematics Endorsement Pathways Committee, 2026 – Present
    - Educators and administrators meet to discuss endorsement pathways.
- Presidential Award for Excellence in Math and Science Teaching State Selection Committee, 2022 – 2025.

    - Remunerated with a small honorarium. Annual training before the application review process. Review approximately ten application packages (teaching video, multiple essays). Score applications using rubrics. Provide written feedback. Meet with other reviewers to reach a consensus on the top three applications.
- Education Preparation Program High-Quality Instructional Materials Committee
    - Chair of Committee, 2024 – present.
        - Develop an agenda and facilitate monthly meetings.
    - Representative, 2021 – present.
        - Attend monthly meetings. Liaison regarding updates.
- Data Science Course Development Committee, 2024 – present.
    - Compile and summarize data science resources. Attend biannual meetings. Share resources. Discuss plans for developing a data science high school course for Mississippi.

Fulbright Specialist Program
- Selected to be on the Fulbright Specialist Roster, 2025-2028.

American Educational Research Association
- Reviewer, 2026 - Present

American Institute of Mathematics
- Math Circle Network Facilitator Training Team, 2024.
    - Remunerated with a small honorarium. Attend meetings every other week. With a team, write a curriculum to train new math circle facilitators.
- National Math Festival Facilitator, 2021.
    - During COVID, facilitated a session for a national online math festival for students.
- Julia Robinson Mathematics Festival Facilitator, 2017.
    - Plan and execute an in-person Saturday math festival for math teachers and students.

New York Times – What is Going on With This Graph?
- Co-author and co-moderator, 2022 – present.
    - Remunerated with a small honorarium. I co-author and co-moderate the New York Times What is Going on With This Graph? articles and discussions. I typically am assigned one article per semester. This experience led me to write an NCTM MTLT article, which was developed into a classroom resource. The last article I worked on was about the correlation between NFL teams' consumption of Uncrustables sandwiches and their number of wins was featured from December 5-11, 2024.

Educational Testing Services
- Online Practice Suites Convening participant, 2024.
    - Remunerated with a small honorarium. Read preparation resources before convening. Attended and participated in a two-day in-person convening in Baltimore, Maryland. Provided feedback to the organizers.
- National Advisory Committee, Mathematics Praxis Exams, 2020 - 2023.
    - Remunerated with a small honorarium. Complete preparation activities. Attend multiple-day online events. Provide verbal and written feedback.

Education First
- Curriculum Literacy Community of Practice, Design Track, 2023 – 2025.
    - Monthly virtual meetings. Annual three-day, in-person meeting in Texas. Helped develop a Curriculum Literacy Resource Hub with tools to help teacher educators use High-Quality Instructional Materials with teachers.

Education Week
- Volunteer consultant for articles, 2025 – present.
    - Meet with staff writers and share information about research, practice, and policy.

Crazy 8's Math Club
- Founder and coach, Grade 3 – 5 students at Presbyterian Day School, 2018 – 2020.
    - Plan and facilitate weekly after-school hands-on activities for students.

BranchED
- Secondary math subject matter experts, 2025 – present.
    - Remunerated with a small honorarium. Refinement of an observational toolkit that integrates secondary math content with math narratives. Pilot toolkit using BranchED's Teacher Video Library. Identify how narrative can help

teachers make math more personal, relevant, and empowering for students, ultimately supporting stronger student outcomes.

- AI-controlled mixed reality simulation pilot tester, 2025.
    - Renumerated with a small honorarium. Piloted six simulation scenarios, each lasting about 10 minutes. The scenarios involved practicing interacting one-on-one with students, teachers, administrators, and parents. I provided feedback and reflections on my experience. While I have used mixed reality simulations since 2018, this was new and different, because in the past, there was always a human-in-the-loop, namely, a human actor was controlling what the avatars did and said. The version I piloted in September was controlled by AI. Mursion is refining the product and asked me to provide feedback. If released, the cost of Mursion may decrease, making it more accessible.

AmeriCorps Math Tutoring Program

- Author of tutoring manual and tutor trainer, 2017 - 2018.
    - Wrote a math tutoring manual for community members with no mathematics teaching experience and delivered a training to prepare tutors for after-school math tutoring.

Presbyterian Day School

- Staff development math facilitator, 2014 - 2020.
    - Remunerated with a small honorarium. Each year prepared and facilitated a four-hour summer staff development session and three one-hour after-school sessions.

American Association of University Women

- Workshop facilitator at Tech Savvy Conferences for middle school girls, 2014 – 2023.
    - Each year, multiple groups of about 20 students cycled through my one-hour math workshop.

Clarksdale Elementary School

- Math and movement curriculum writer, 2015.
    - Remunerated with a small honorarium. Wrote a math unit focused on healthy choices and movement.

Novice Inquiry-Based Learning (IBL) Blog

- Co-creator of blog. Author of seven blog posts, 2015 – 2016.

Journal of Urban Mathematics Education

- Editorial Board Member, 2022 – 2025.
    - Read and provide feedback on journal articles.

Corwin Press, SAGE Publications

- Invited reviewer for mathematics education books, 2025 – present.
    - Read and provide feedback on books.

Research Council on Mathematics Learning

- Volunteer reviewer for Investigations in Mathematics Learning journal, 2024 – present.
    - Read and provide feedback on articles.

Mathematical Thinking and Learning

- Volunteer reviewer for journal articles for this international journal published by Taylor & Francis, 2024 – present.
    - Read and provide feedback on articles.

Contemporary Issues in Technology and Teacher Education - Math

- Volunteer reviewer for annual conference proposals, 2020 - 2022.
    - Read and provide feedback on proposals.

Journal of Practitioner Research

- Volunteer reviewer, 2018 – present.
    - Read and provide feedback on articles.

School Science and Mathematics

- Volunteer reviewer, 2024 – present.
    - Read and provide feedback on articles.

Education Sciences

- Volunteer reviewer, 2024 – present.
    - Read and provide feedback on articles.

The Science Teacher
- Volunteer reviewer, 2026 – present.
    - Read and provide feedback on articles.

PROFESSIONAL ASSOCIATION SERVICE

Association of Mathematics Teacher Educators
- Board Member at Large, 2026 - 2029
    - Contribute time, effort, and knowledge to advance the objectives of the Board and attain the goals of the organization.
    - Ensure that the affairs of the AMTE are conducted in accordance with the Constitution, By-laws, and policies of the AMTE.
    - Direct and review the general affairs of the organization within the limits outlined in the Constitution and By-laws.
    - Provide leadership for the attainment of the goals of the AMTE.
    - Participate in online, conference call, and face-to-face Board discussions.
    - Participate in the activities of and act as a Board representative for assigned committees – communicating Board actions to committee chairs and committee feedback to the Board.
    - Assist the President with the selection of committee members and chairs, as requested.
    - Give input to the President and make decisions on behalf of the membership.
    - Participate in decision-making of the Board, including voting on motions as needed.
    - Complete other duties as assigned by the President.
    - Serve as a voting member of the Board.
- Leader of Simulations Community Circle, 2020 – Present.
    - Plan and lead monthly meetings. Organize and execute a virtual speaker series. Collaborate with members on research presentations and papers.
- Advocacy Committee, 2024 – 2026.
    - Monthly meetings. Plan, organize, and execute an advocacy luncheon at the annual conference.
- Associate Vice-President for Local Arrangements, 2022 – 2023.
    - Monthly meetings. Plan, organize, and execute volunteers for the annual conference.
- Service, Teaching, and Research (STaR) Fundraising Committee, 2020 – 2023.
    - Monthly meetings. Write thank-you postcards to donors. Interview STaR alumni. Create infographics to solicit donations. Write quarterly summaries for the AMTE *Connections* journal.
- Volunteer reviewer for annual conference proposals, 2013 – present.
    - Read and provide feedback on approximately three proposals per year.

Mississippi Association of Mathematics Teacher Educators
- President, 2017 – 2021.
    - Send calendar invites, create agendas, and run monthly officer meetings. Plan and execute annual business meeting at MCTM in the fall and annual symposium in the spring. Coordinate initiatives. Interact with MDE and IHL. Submit quarterly activity summaries for the AMTE *Connections* journal.
- President-Elect, 2016 – 2017.
    - Attend all officer meetings and member programming. Support the President. Develop the knowledge and skills needed to serve as President.
- Past President, 2021 – 2022.
    - Attend all officer meetings and member programming. Mentor President.
- Member at Large, 2015 – 2017, 2021 – 2025.
    - Attend all officer meetings and member programming. Complete tasks as assigned by the President (e.g., management of officer elections, registration for the symposium, website updates, leading parts of meetings).

National Council of Teachers of Mathematics
- Mathematics Education Trust (MET) awards and scholarship selection committee member, 2026 – Present.
    - Review and rate applications. Select award winners.
- *Mathematics Teacher: Learning and Teaching PK-12* Journal Department Editor, 2024 – 2027.
    - As department editors, we provide monthly virtual professional development sessions (PD) to mathematics educators from around the world. My responsibilities include selecting an article, contacting the author to invite them to attend the PD, guiding the author on creating a video to accompany the reprinting of their article, contacting a university affiliate host, creating slides and notes files for the PD, hosting the PD, and guiding a PD participant to write a summary of the PD to publish with the reprinting of the article. In 2024 I led seven PDs focused on the

following articles: (1)Social Justice and Proportional Reasoning, (2) Supporting Teacher Learning: Our Voyage with Knowing and Teaching Elementary Mathematics, (3) Assessment: Another Perspective on Concept Maps: Empowering Students, (4) Who Wants Pancakes?, (5) HOLA: Hunt for Opportunities-Learn-Act, (6) Three Strategies for Opening Curriculum Spaces, (7) Going with the Flow: Challenging Students to Make Assumptions. In 2025, I have led and will be leading four PDs focused on the following articles: (1) Connecting Research to Teaching: Goals for Achieving Diversity in Mathematics Classrooms, (2) Multicultural Literature as a Context for Problem-Solving: Children and Parents Learning Together, (3) Tech-Knowledgy and Diverse Learners, and (4) Implementing the Professional Standards for Teaching Mathematics: Self-Evaluation as an Act of Teaching.

- Council for the Accreditation of Educator Preparation (CAEP) NCTM Program Reviewer, 2019 – 2023.
    - Each summer, read an institution's full CAEP report. Rate using CAEP rubrics. Provide feedback. Meet with other reviewers to reach a consensus on the final accreditation decision.

Mississippi Council of Teachers of Mathematics

- Board of Directors, Awards Chair, 2022 – present.
    - Attend quarterly board meetings. Completing, submitting, and managing MSU CEU forms for MCTM annual conference attendees to earn CEUs. Creating application forms for seven awards or scholarships, including four Teacher of the Year awards (College, High School, Middle School, and Elementary School), one Graduate Student Scholarship, one Classroom Grant, and one Technology Grant. Facilitating the Board of Directors' vote for award recipients from applicants. Notifying award and scholarship winners and requesting their attendance at the annual conference to receive their awards. Ordering and delivering trophies. Attending annual conferences and presenting awards to recipients.

Mathematics Association of America

- Committee on the Mathematical Education of Teachers, 2024 – 2027.
    - Attend quarterly meetings. Representative for the Association of Mathematics Teacher Educators. Provide updates on activities and ideas for ways organizations can collaborate to mutually support and highlight work of members.
- Committee on Student Concerns, 2024 – 2027.
    - Attend quarterly meetings. Read, discuss, and deliberate on student concerns.

Louisiana-Mississippi Section of the Mathematics Association of America

- Social Media Administrator, 2013 - 2017.
    - Take pictures of activities, write short summaries of activities, and share them on social media.

TODOS: Mathematics for ALL

- Math Mindset Resources for Educators Digital Team, 2024-2026.
    - Remunerated with a small honorarium. Attend meetings every other week. Plan and execute a redesign of the TODOS website. Survey the TODOS members regarding the website, analyze results, plan redesign, identify a website developer, review revisions, and provide feedback.

Mathematics Teacher Education Partnership

- Mississippi Program Leader, 2021 – present.
    - Attend monthly meetings. Attend the annual summer workshops and the annual winter conference. Engage in plan, do, study, act (PDSA) cycles based on root-cause analyses. Write the annual report, which includes a membership roster, theory of action, PDSA cycle reports for each cycle conducted during the year, a dissemination log, and a report of future plans.
- Partnership Building Leader, 2024 – present.
    - Facilitate breakout rooms for Partnership Building meetings.

Southeastern Conference Mathematics Education Community

- NSF Noyce Grant Working Group, 2024 – present.
    - Regularly meet, support each other by sharing resources for grant writing, and plan to incorporate collaborative SEC shared experiences for Noyce scholars.
- Virtual Event Planning Committee, 2024 – present.
    - Plan and execute a virtual event each semester, recruit speakers, create registration forms, a flyer, and slides.

Psychology of Mathematics Education - North America

- Volunteer reviewer for annual conference proposals, 2019 - present.
    - Read and provide feedback on conference proposals.

UNIVERSITY, COLLEGE, and DEPARTMENT SERVICE

Secondary Education Undergraduate Coordinator, 2024 – present.

- Liaison between secondary faculty and Department Chair. Coordinate the development of teaching schedules. Coordinate institutional reporting. Attend monthly secondary education faculty meetings. Present updates during monthly department meetings.

Secondary Mathematics Education Program Coordinator, 2023 – present.

- Advise secondary mathematics undergraduate (approximately 50) and graduate (approximately five) students on classes to take, strategies for academic success, and advice for securing a teaching position.
- Write an annual institutional effectiveness report for the secondary mathematics program.
- Help write the Mississippi Department of Education program report.
- Attend monthly department meetings.
- Attend monthly secondary education faculty meetings.
- Write letters of recommendation for advisees.
- Complete references for advisees.
- Guide advisees on how to complete administrative paperwork.

College of Education Assessment Committee Member, 2023 - present.

- Attend meetings each semester. Complete tasks assigned. Share information with colleagues.

College of Education Recruitment and Outreach Committee, 2024 – present.

- Attend meetings each semester. Complete tasks assigned. Share information with colleagues.

College of Education Faculty Council, 2024 – present.

- Attend meetings each semester. Complete tasks assigned. Share information with colleagues.

Teacher Education and Leadership Search Committees

- Read full application packages for about 30 applicants. Write summaries of strengths and weaknesses. Meet with committee members to decide the top three to five applicants for virtual interviews. Attend virtual interviews. Take notes during virtual interviews. Meet with committee members to decide the top two to three applicants for in-person interviews. Attend interview events. Write feedback. Meet with committee members. Write recommendations regarding candidates.
    - Secondary Science Education Faculty Search, Spring 2024.
    - Elementary Literacy Education Faculty Search, Fall 2024.
    - Elementary Mathematics Education Faculty Search, Spring 2025.
    - Department Head Search, Spring 2025.
    - Program Coordinator (Chair), Fall 2025.

Doctoral Committee Member, 2024 - present.

- Service on committee for Heather Wood (spring 2024), Ben Jordan (fall 2025), Elaine Baxter (TBD), Alison Blackledge (TBD), and Shelley Thompson (TBD). Help prepare for comprehensive exams. Evaluate comprehensive exams. Read the proposal and drafts of the dissertation. Provide written and verbal feedback. Attending the proposal and dissertation defense meetings. Attend deliberation meetings with committee members. Read revisions. Provide feedback. Complete paperwork. For Shelley Thompson, I also supervised her in EDS 9413 - Practicum in College Teaching.

Undergraduate Research Mentor, 2025 – present.

- Weekly meetings with undergraduate students interested in research. Dr. Lacey Fitts and I began mentoring Tristan Brewer and Kitashu Bhagat. We helped the students design, implement, and report on small-scale studies.

Recruitment at conferences, 2023 - present.

- Set up a table with information and recruitment resources at the annual state math teacher conference, MCTM. Stand at the table. Talk to potential students.
- I recruit (without a table) at all conferences I attend by having conversations and providing information about our programs. Afterward, I shared contact information with the COE recruitment staff. I also follow up with emails.
- I email, call, and talk in person with the alumni from Delta State University and MSU regarding the benefits of earning a graduate degree and the options we offer.
- When I interact with teachers in schools, I share information about our graduate programs.

Mentor Assistant Professors, 2024 - present.

- Regularly meet with junior faculty and share advice and resources. For example, I provide guidance and support to Lacey Fitts on things like obtaining IRB, preparing for advising meetings, writing IE reports, methods course assignments, conducting a midpoint feedback evaluation, etc. I also met with Honing Song, shared resources with her, and invited her to join a research community circle I co-lead. Finally, I regularly meet with Breana Jimson. I asked her to join an NSF CS4All grant, collaborated with her on a revision of the project description, and helped her prepare her NSF senior personnel files. We co-planned and co-taught a lesson at the Partnership school. We have also collaborated on articles.

Mentor Graduate Assistants, 2023 - present.

- I meet weekly with graduate assistants. We discuss their goals. I provide advice. I share resources, such as books and articles that address the topics they are interested in. I ask them for help with projects that are aligned with their interests. I provide them with teaching and research opportunities. Caroline Virden (Mathematics & Statistics GA) and I co-authored a published article in spring 2024. Andrea Berryhill (TEAL GA), Lendon Chandler (TEAL GA), and I co-authored a published article in spring/summer 2024. Abby Peltier (TEAL GA) is a co-author of an article currently under review.

Partner with Secondary Math Teachers in Starkville CSD, 2023 - present.

- I have attended several math teacher meetings at Partnership, the high school, and the Greensboro Center. At these meetings, I listen to teachers' concerns and work with them to see how I can help address them. Several of the grants I have written include programming to support local teachers. The administration and teachers at Partnership and I worked together to develop and implement a plan for the MSU candidate to tutor and co-teach at Partnership. Several Starkville teachers are participating in CREATE Math and the BTC book club.

Get the Facts Out (GFO), 2024 – present.

- I presented talks to students, teachers, and faculty on repairing the reputation and promoting the profession of teaching for the TEAL Lecture Series and TEC.

MSU Committee for Advancing Starkville Oktibbeha School District Experiential Learning & the Career Academy Models, 2024.

- Attended monthly meetings. Complete tasks assigned. Created a feedback survey for COE faculty and presented results during a meeting.

Academic Insight, 2025.

- Represented secondary education at a recruitment event on February 22, 2025. Prepared an interactive activity and presentation for a breakout session with Dr. Lacey Fitts.
- Helped two students and Dr. Lacey Fitts prepare materials for the event on February 28, 2026. Joined the event on Zoom.

University Online Teaching Award Review Committee member, 2026.

- Reviewed ten applicants' full application packages and full Canvas course shells. Rated applicants using a rubric. Met with the committee to establish consensus on the award recipient.

University Office of Research and Economic Development Advancing Collaborative Research Program reviewer, 2026.

- Reviewed two applications and provided feedback using a rubric.

SERVICE to DELTA STATE UNIVERSITY

Program Coordinator for Secondary Mathematics, 2014 – 2023.
Supervisor of Secondary Mathematics Internships, 2014 – 2023.
Advisor for Secondary Mathematics Education majors, 2014 - 2023.
University's Research Committee, 2018 – 2023.
Assessment Committee, Chair of Standard 3 Committee, Responsible for writing NCTM CAEP report for Secondary Mathematics Education program, 2013 – 2023.
Teacher Education Council, 2013 – 2021.
Mentor for New Science Education Faculty Member, 2021 - 2022.
Division's Search Committee, 2014 – 2023, Chair in 2017.
Division's Tenure & Promotion Committee, 2020 - 2023.
Kossman Award Committee, 2021.
Division of Mathematics & Sciences Scholarship Committee, 2021.
Represent the Math Department at recruitment events, 2013 – 2020.
University's Courtesy Committee, 2013 –2018.
University's Attendance Grievance Committee, 2014 – 2016.
Strategic Planning Liaison on OIT's Technology Teaching Symposium Committee 2013 – 2016.
Reading Fair judge.
Science Fair judge.
Educator Rising Fair judge.
Hold Praxis review sessions, 2013 – 2023.
Held Math Study Skills workshops for the Office of Academic Support Services, 2013 - 2015.
Supervised Math Tutoring Lab, 2013 – 2016.