

CURRICULUM VITA
Dr. Kate M. Raymond
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HIGHER EDUCATION

- Ph. D. Instructional Leadership and Academic Curriculum, Mathematics Education. December 2017. University of Oklahoma. Dissertation: Making Meaning from Algebra 2 Curriculum Materials: A Case Study of One School.
- M. S. Mathematics. December 2002. University of North Carolina at Chapel Hill. Thesis: Classification and Presentations of Coxeter Groups
- B. A. Mathematics. May 2000. University of Pennsylvania.

PROFESSIONAL AND TEACHING EXPERIENCE

- 2018 - Present **Assistant Professor, Department of Instructional Leadership and Academic Curriculum, University of Oklahoma. Norman, Oklahoma**
Elementary Mathematical Structures (EDUC2970)
Mathematical Communication and Structures (EDMA 2353)
4-8 Mathematics Concepts (EDMA4353)
Developing Problem Solving Environments (EDMA4233)
Secondary Mathematics Learning (EDMA4243)
Teaching and Learning Mathematical Reasoning and Proof (EDMA 4253)
Student Teaching Seminar (ILAC4243/5243)
Problem-Centered Learning in Mathematics (EDMA5153)
Elementary Mathematics Curriculum (EDMA5523)
Middle and High School Mathematics Curriculum (EDMA5533)
History of Math/Science for Educators (EDMA5763/EDSC5970)
Proseminar Instructional Leadership & Curriculum (ILAC6013)
- Affiliate Faculty, Center for Peace and Development, University of Oklahoma. Norman, Oklahoma (2021- Present)**
- 2017 - 2018 **Instructor, Department of Instructional Leadership and Academic Curriculum, University of Oklahoma. Norman, Oklahoma**
4-8 Mathematics Concepts (EDMA4353)
Developing Problem Solving Environments (EDMA4233)
Secondary Mathematics Learning (EDMA4243)

2016 – 2021	Curriculum and Professional Development Leadership Team - Mathematics Curriculum Designer, St. Monica's School of Basic Learning for Women. Gulu, Uganda Under the direction of Dr. Sara Ann (Sally) Beach.
2016 - 2017	Graduate Teaching Assistant, Department of Instructional Leadership and Academic Curriculum, University of Oklahoma. Developing Problem Solving Environments (EDMA4233) Secondary Mathematics Learning (EDMA4243)
2015 – 2016	Mathematics Curriculum Designer , K20 Center for Educational and Community Renewal, University of Oklahoma, Norman, OK.
2014- 2018	Field Supervisor - Secondary Mathematics. Department of Instructional Leadership and Academic Curriculum, University of Oklahoma. Norman, OK.
2014 – 2016	Graduate Research Assistant , K20 Center for Educational and Community Renewal, University of Oklahoma, Norman, OK.
2012 – 2014	Teacher , Waterloo Region District Schools, Kitchener, ON. Essential Mathematics Foundations of Mathematics Principles of Mathematics Information and Communication Technology
2008 – 2010	Learning Specialist , Calvert County Public Schools, Prince Frederick, MD.
2003 – 2010	Mathematics Teacher , Calvert County Public Schools, Prince Frederick, MD. Algebra 1, Algebra 1 Part A, Algebra 1 Part B Geometry Precalculus AP Calculus AB and BC
2002 – 2003	Middle School Teacher , Holy Assumption Schools, Roebling, NJ. Grades 6-8 Math Grade 7 Social Science
2000 – 2002	Teaching Fellow , Department of Mathematics, University of North Carolina, Chapel Hill, NC. College Algebra Trigonometry and Precalculus Calculus 1

PUBLICATIONS – NATIONAL AND INTERNATIONAL PEER-REVIEWED JOURNALS

Long, V., Stokes, A.*, **Raymond, K.** & Gearing, N. (*In revision*) Preservice elementary teachers' perceptions of tasks: Misconceptions and stances that hinder assessment. *School Science and Mathematics Journal*.

Raymond, K., Ethridge, E., & Fields, K*. (*In revision*) What it takes to be an advocate: Teachers' perceptions of their strengths and challenges. *Action in Teacher Education*.

Raymond, K. & Campbell, T.* (*In revision*) Number Talks as access to mathematical teaching practices: pre-service teachers' attention to teaching practices while reflecting on Number Talks enacted in a field placement. *Investigations in Mathematics Learning*.

Maxwell, J.*, **Raymond, K.**, & Baum-Sehon, K.* (2022) "It made us feel more connected": An examination of secondary mathematics teachers' technology integration during the first year of COVID teaching. *Journal of Computers in Mathematics and Science Teaching*. 41(3), 245-263. (double-anonymous peer review)

Raymond, K., Beach, S., & Kershen, J. (2022) Social justice education in an international and interdisciplinary service-learning experience. *Journal of Service-Learning in Higher Education*. 15, 3-26. (double-anonymous peer review)

Raymond, K. (2021) Teachers' daily practices with curriculum materials: Towards a transactional view of the curriculum system. *School Science and Mathematics Journal*. 121(8), 509-519. (20% acceptance rate, double-anonymous peer review)

Gunter, M.* & **Raymond, K.** (2020) Communication and metacognition in the classroom. *Mathematics Teacher: Learning and Teaching PreK- 12*. 113(12), 1017-1022. (double-anonymous peer review)

Raymond, K. & Reeder, S. (2020) Failure to launch: Oklahoma's Academic Standards in Mathematics, *Investigations in Mathematics Learning*. 12(2), 82-95.
doi: [10.1080/19477503.2019.1630546](https://doi.org/10.1080/19477503.2019.1630546) (18% acceptance rate, double-anonymous peer review)

Raymond, K. (2019) First-year secondary mathematics teachers' metacognitive knowledge of communication activities. *Investigations in Mathematics Learning*. 11(3), 167-179.
doi: [10.1080/19477503.2018.1425590](https://doi.org/10.1080/19477503.2018.1425590) (18% acceptance rate, double-anonymous peer review)

Raymond, K. & Reeder, S. (2018) If our classroom were the world: Using proportional reasoning to explore world population. *Mathematics Teaching in the Middle School*. 24(2), 112-115. (double-anonymous peer review)

Raymond, K., Gunter, M.* & Conrady, K. (2018) Developing communication and metacognition through question generating. *Mathematics Teaching in the Middle School*. 23(5), 276-281. (double-anonymous peer review)

Raymond, K. (2018) M is not just for STEM: How myths about the purposes of mathematics education have narrowed mathematics curricula in the United States. *Education Sciences*. 8(2), 47. (2.92 impact factor, double-anonymous peer review)

Stroud, W.A.* , Kerson, J., **Raymond, K.**, Williams, L.* , & Beach, S. (2017) Transformative peacebuilding efforts in northern Uganda: The development of St. Monica's School of Basic Learning for Women. *International Journal for Cross-Disciplinary Subjects in Education*. 8(4), 3254-3262. (double-anonymous peer review)

Raymond, K. (2015) Making sense of representations: Card sorting. *Mathematics Teacher*. 109(5), 380-385. (double-anonymous peer review)

PUBLICATIONS – PEER REVIEWED BOOK CHAPTERS

Campbell, T.* & **Raymond, K.** (*in press, expected 2024*) Developing a Purpose for Questioning: The Case of Jacob. In Polly, D, Garin, & Martin, C. (Eds.) *Clinically Based Teacher Education in Action: Cases from Mathematics Teacher Educators*. Information Age Publishing.

Raymond, K., Ethridge, L., & Fields, K.* (2023) Leading Beyond the Classroom: Three Cases of Teacher Advocacy. In U. Thomas (Ed.), *Cases of Servant Leadership and Equity* (pp. 29-51). IGI Global.

PUBLICATIONS – NATIONAL AND INTERNATIONAL PROCEEDINGS

Raymond, K., Maxwell, J.* , & Baum-Sehon, K.* (2023) The development of secondary mathematics TPACK during the first year of COVID teaching. *Proceedings of the 50th Annual Conference of the Research Council of Mathematics Learning*.

Campbell, T.* , Cummings, A.* , **Raymond, K.**, & Reeder, S. (2021) Humanizing graduate mathematics education: Instructor and student perceptions. *Proceedings of the Annual School Science and Mathematics Convention*.

Kershen, J., **Raymond, K.**, & Beach, S. (2019) Negotiating hierarchies: A narrative self-study within an international, service-learning context. *Proceedings of the Annual Meeting of the American Educational Research Association Service Learning and Experiential Education Special Interest Group*.

Stewart, S., Reeder, S., **Raymond, K.** & Troup, J. (2019) Analyzing the nature of university students' difficulties with algebra in calculus: Students' voices during problem solving. *Proceedings of the 22nd Annual Conference on Research in Undergraduate Mathematics Education*.

Stewart, S., Reeder, S., **Raymond, K.** & Troup, J. (2018) An analysis of student challenges with algebra in calculus. *Proceedings of the 40th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*. 612-616.

Stewart, S., Reeder, S., **Raymond, K.** & Troup, J. (2018) Could algebra be the root of problems in calculus courses? *Proceedings of the 21st Annual Conference on Research in Undergraduate Mathematics Education*. 1023-1030.

PUBLICATIONS – PEER REVIEWED STATE AND REGIONAL JOURNALS

Raymond, K. (2023) Using Frayer Models to support Mathematical Discourse. *Oklahoma Journal of School Mathematics*.

Raymond, K. (2021) Moving beyond COVID. *Oklahoma Journal of School Mathematics*. 8(1), 5-10

PUBLICATIONS - INVITED

Raymond, K. (2018) Kate Raymond challenges depiction of Common Core Mathematics. *Diane Ravitch's Blog*.

Raymond, K. (2016) Book review: How to think about analysis by Lara Alcock. *Mathematics Teacher*. 109(6), 479.

PRESENTATIONS

Raymond, K., Stokes, A.*, Long, V., Gearing, N. (2023) Misconceptions that influence elementary preservice teachers' assessment of a task. Presentation at the School Science and Mathematics Association Convention. Colorado Springs, CO.

Raymond, K. & Campbell, T.* (2023) How preservice teachers attend to mathematical teaching practices during number talks. Presentation at the School Science and Mathematics Association Convention. Colorado Springs, CO.

Raymond, K., Maxwell, J.*, & Baum-Sehon, K*. (2023) Mathematics teachers' technological learning during year one of COVID. Presentation at the Research Council on Mathematics Learning Conference. Las Vegas, NV.

Maxwell, J.*, **Raymond, K.** & Baum-Sehon, K*. (2022) Investigating technological integration in the age of virtual instruction using the SAMR Model. Presentation at the School

Science and Mathematics Association Convention. Missoula, MT.

Campbell, T.* & **Raymond, K.** (2022) Using structured reflections to improve elementary pre-service teachers' practices of number talks. Presentation at the School Science and Mathematics Association Convention. Missoula, MT.

Ethridge, L., **Raymond, K.** & Fields, K.* (2022) “Just tell your story”: Supporting the development of teacher advocates. Presentation at the National Association of Early Childhood Teacher Educators Conference. (Virtual conference).

Raymond, K. (2022) Leveraging students' interests in justice to explore mathematical concepts and representations. Presentation at the Oklahoma Council of Teachers of Mathematics Conference. Norman, OK.

Raymond, K. (2022) Transactional Theory and Choosing Tasks. Presentation to the University of Oklahoma's Research in Undergraduate Mathematics Education (RUME) Seminar Series. Norman, OK.

Reeder, S., **Raymond, K.**, & Howell, M.* (2022) OU Transformative Tutoring Initiative: A high-dosage math tutoring model. Presentation at the 2022 Research Council on Mathematics Learning Conference. Grapevine, TX.

Raymond, K. (2022) How do teacher preparation programs prepare teachers to choose curriculum? Presentation at the 2022 Research Council on Mathematics Learning Conference. Grapevine, TX.

Raymond, K. (2022) Responding to increasing availability of tasks online: How are we preparing PSTs to choose tasks? Presentation at the 2022 Association of Mathematics Teacher Educators Conference. Henderson, NV.

Long, V., Gearing, N., & **Raymond, K.** (2022) Mathematics teaching practices: A framework for teachers' analyzing mathematics tasks. Presentation at the 2022 National Council of Teachers of Mathematics Regional Conference. New Orleans, LA.

Raymond, K., Ethridge, L., & Fields, K.* (2021) How can we prepare teachers to be advocates? Presentation at the 2021 Oklahoma Association of Colleges of Teacher Education Conference. Norman, OK

Campbell, T.*, Cummings, A.*, **Raymond, K.**, & Reeder, S. (2021) Humanizing graduate mathematics education: Instructor and student perceptions. Presentation at the 2021 School Science and Mathematics Association Convention (Virtual conference).

Reeder, S. & **Raymond, K.** (2021) Mathematics as a human enterprise: Decolonizing the mathematics curriculum. Presentation at the 2021 Research Council on Mathematics Learning Conference. (Virtual conference).

- Raymond, K.** (2021) Preparing teachers to choose instructional materials: Examining our standards. Presentation at the 2021 Research Council on Mathematics Learning Conference. (Virtual conference).
- Gunter, M.* & **Raymond, K.** (2020) Supporting our stakeholders: Parent perceptions of mathematics education. Presentation at the 2020 School Science and Mathematics Association Convention (Virtual conference).
- Long, V., **Raymond, K.** & Gearing, N. (2020) Using task analysis as a framework for elementary mathematics methods courses. Presentation at the 2020 School Science and Mathematics Association Convention (Virtual conference).
- Raymond, K.** (2020) Preservice teachers' development of questioning practices using number talks [Supporting the Understanding of Number Concepts]. Roundtable Presentation at the 2020 American Educational Research Association (conference cancelled).
- Raymond, K.** & Beach, S. (2020) Investigating social justice through an international service-learning experience [Transnational Education: Global Viewpoints]. Presentation at the 2020 International Studies Association Conference (conference canceled).
- Raymond, K.** (2020) Elementary PSTs' perceptions of classroom discourse during number talks. Presentation at the 2020 Research Council on Mathematics Learning Conference. Las Vegas, NV.
- Gunter, M.* & **Raymond, K.** (2020) Understanding parent perceptions and values of math education. Presentation at the 2020 Research Council on Mathematics Learning Conference. Las Vegas, NV.
- Raymond, K.** (2020) Coming to know number talks: Elementary PSTs' mathematical discourse practices. Presentation at the 2020 Association of Mathematics Teacher Educator Conference. Phoenix, AZ.
- Raymond, K.** (2019) Preservice elementary teachers' evolving perceptions and practices of number talks. Presentation at the 2019 School Science and Mathematics Association. Salt Lake City, UT.
- Kershen, J. & **Raymond, K.** (2019) Negotiating hierarchies: A narrative self-study within an international, service-learning context. Presentation at the 2019 American Educational Research Association Annual Meeting. Toronto, CA.
- Stewart, S., Reeder, S., **Raymond, K.** & Troup, J (2019) Analyzing the nature of university students' difficulties with algebra in calculus: Students' voices during problem-solving. Presentation at the 22nd Annual Conference on Research in Undergraduate Mathematics Education. Oklahoma City, OK.

- Raymond, K.** & Reeder, S. (2018) An analysis of student challenges with algebra in calculus. Presentation at the 40th Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education. Greenville, SC.
- Raymond, K.** & Wells, C.* (2018) Understanding the history and culture of mathematics education for PSTs. Presentation at the 2018 School Science and Mathematics Association. Little Rock, AR.
- Raymond, K.** & Reeder, S. (2018) The impact and limits of standards reform: The case of Oklahoma. Presentation at the 2018 School Science and Mathematics Association. Little Rock, AR.
- Raymond, K.** & Reeder, S. (2018) Failure to launch: Teacher perceptions of state standards in mathematics. Presentation at the 2018 Research Council on Mathematics Learning Annual Conference. Baton Rouge, LA.
- Raymond, K.** (2018) Meaning making with curriculum materials: A case study of one school. Presentation at the 2018 Research Council on Mathematics Learning Annual Conference. Baton Rouge, LA.
- Raymond, K.** (2017) Making meaning from curriculum materials in algebra 2. Presentation at the 2017 School Science and Mathematics Association. Lexington, KY.
- Raymond, K.** (2017) Guess what? Using games to explore properties of graphs and polygons. Presentation at the 2017 Oklahoma Council of Teachers of Mathematics. Oklahoma City, OK.
- Raymond K.** (2017) Making meaning in Algebra 2: A case study. Presentation at the 2017 Research Council on Mathematics Learning Annual Conference. Fort Worth, TX.
- Reeder, S. & **Raymond, K.** (2017) Common algebra errors that plague student success in university mathematics courses. Presentation at the 2017 Research Council on Mathematics Learning Annual Conference. Fort Worth, TX
- Williams, L.*, **Raymond K.**, & Stroud, A.* (2017) Listening as empowerment. Presentation at the 2017 Decolonizing Education Symposium. Norman, OK.

- Gunter, M.* & **Raymond K.** (2016) Using the writing process in math to elicit student understanding. Presentation at the National Council of Teachers of Mathematics Regional Conference and Exposition. Philadelphia, PA.
- Raymond, K.** (2016) Novice mathematics teachers' metacognitive knowledge about communicative activities: A case study. Presentation at the 2016 School Science and Mathematical Association Convention. Phoenix, AZ.
- Raymond, K.** & Reeder, S (2016) If our classroom were the world: Using proportional reasoning to explore world population. Presented at the 2016 Oklahoma Council of Teachers of Mathematics Annual Conference. Tulsa, OK.
- Bittle, S. & **Raymond, K.** (2016) Making sense of the new mathematics standards, high school. Presented at the 2016 Oklahoma Council of Teachers of Mathematics Annual Conference. Tulsa, OK.
- Raymond, K.** (2016) SNAP judgements: Students living on the supplemental nutrition assistance program. Presented at the Voices at the Margin Symposium. Norman, OK.
- Raymond, K.** (2015) Exploding exponentials: Exploring one of mathematics fastest growing functions. Presented and the Innovative Learning Institute. Norman, OK.
- Raymond, K.** & Gunter, M.* (2015) Communication, metacognition, teaching mathematics: A plausibility probe. Presented at the 2015 School Science and Mathematics Association Annual Conference. Oklahoma City, OK.
- Raymond, K.** & Gunter, D.* (2015) Practical practices: Integrating standards for mathematical practices and mathematical teaching practices into content lessons. Innovations Showcase at the 2015 School Science and Mathematics Association Annual Conference. Oklahoma City, OK.
- Raymond, K.** & Gunter, D.* (2015) The mathematics of snowflakes: Making the principles practical. Presented at the 2015 Oklahoma Council of Teachers of Mathematics Annual Conference. Oklahoma City, OK.
- Raymond, K.** (2015) Using current events in the mathematics classroom. Presented at the 2015 Oklahoma Council of Teachers of Mathematics Annual Conference. Oklahoma City, OK.
- Gibson, A. & **Raymond, K.** (2011) Successful strategies for increasing achievement: How to have your diversity and increase your rigor too! Presented at the Advanced Placement Annual Conference. San Francisco, CA.

CURRICULUM DEVELOPMENT

- 2015-2020 Mathematics Curriculum, years I, II, III & IV. St. Monica's School for Women, Gulu, Uganda
Developed the full mathematics curriculum and sets of materials for mathematics instruction
- 2014-2016 Mathematics Curriculum, K20 LEARN, K20 Center for Educational and Community Renewal
Developed Units include Coffee conundrum, Driving rationally, Family ties, Function junction, If at first you don't succeed, try triangles, If our classroom were the world, Meet me in the middle, Percents make sense, Quadrilateral Quandary, Transparent Transversals, We the people.

RESEARCH

- Transformative Tutoring Initiative.* Ongoing research conducted at the University of Oklahoma which investigated the key components of successful high-dosage tutoring intervention programs in mathematics and how such programs can be developed in ways that are attentive and responsive to local community and student needs. June 2021 – July 2023
- Persistent and Pernicious Algebraic Errors in Undergraduate Mathematics.* Research conducted at the University of Oklahoma which sought to classify the common algebraic errors of undergraduate mathematics students at the University of Oklahoma, determine which types of errors persist through undergraduates' academic careers, and the ultimate effects of those errors on students' abilities to successfully complete mathematics courses and STEM majors. May 2016 – December 2018
- Authentic LEARNing.* Research conducted at the K20 Center for Educational and Community Renewal which studies the impact of authentic, research-based lessons on student patterns of adaptive learning and learning outcomes. November 2015 - August 2016
- Great Expectations Impact Study.* Research conducted at the K20 Center for Educational and Community Renewal which studied the impact in academic achievement of a behavioral intervention program in elementary schools. October 2014 - August 2015

PROFESSIONAL SERVICE TO UNIVERSITIES, SCHOOLS, AND TEACHERS

- Small group instruction in secondary mathematics.* Norman Public Schools GET FIT conference, October, 2023.
- Summer Bridge Tutor Development.* Gallogly College of Engineering, University of Oklahoma, July 2023- Present. Monthly professional development sessions presented to undergraduate students serving as tutors for the Gallogly College of Engineering Office

of Diversity, Equity, and Inclusion.

Mathematical modeling: Getting messy with authentic mathematics, Presented with Amber Stokes, doctoral student. Norman Public Schools GET FIT Conference, April 2022

Technology integration 2.0, Presented with Ja'Corie Maxwell, doctoral student. KEY conference, March 2021.

Learn with legislators. Presented with Dr. Libby Ethridge. KEY conference, March 2021

Social justice and culturally relevant pedagogy in the mathematics classroom. Monthly online professional development sessions developed in conjunction with Oklahoma Council of Teachers of Mathematics. June 2020 – June 2021

Creating culturally relevant opportunities for learning online. Presentation to University of Oklahoma's pre-service teacher interns. August 2020

Task cards and choice boards to differentiate elementary mathematics. Presented with Tonya Crowe, doctoral student. KEY Conference, February 2020

Number talks: Building math brains in 15 minutes a day. Presented twice at the Norman Public Schools GET FIT Conference, October 2019

Opening discourse in secondary mathematics. Presented at the Norman Public Schools GET FIT Conference, October 2019

Using number talks to promote Oklahoma's mathematical actions and processes. KEY Conference, March 2019

Six moves that promote a mathematical discourse community. KEY Conference, March 2019

Secondary mathematics Textbook Adoption Committee. Norman Public Schools, Spring 2018.

On a new path for math: Engaging students with the OK Academic Standards. Presentation at the Student Oklahoma Education Association Professional Development Conference, November 2016

Understanding the standards. One day workshop conducted with Dewey Public Schools, August 2016

Summer with the standards. Two-day workshop conducted with Norman Public Schools, July 2016

Oklahoma educators' professional workshop: Engaging students in mathematics problem solving. One day professional development for Oklahoma mathematics teachers, April 2016.

Constructing conceptual understanding in elementary mathematics. One day professional development for teachers in Peavine Elementary School, Stillwell, OK, August 2015

DEPARTMENTAL, COLLEGE, AND UNIVERSITY SERVICE

2023 – Present	Committee on Committees, OU
2023 - Present	Academic Regulations Committee, OU
2023 – Present	Graduate Committee Member, ILAC
2021 – Present	Provost's Advisory Committee on Women's Issues, OU Secretary, 2022-Present Data and data transparency subcommittee chair, 2022-present
2021 - Present	Faculty Senate Reapportionment Committee Member, OU
2021	Mathematics Education Search Committee Chair, ILAC
2021 – 2022	College Awards Committee, JRCoE
2020 – 2021	Science Education Search Committee Member, ILAC
2020 – Present	Faculty Senate Representative, OU
2020 – 2022	Ed Cline Faculty Development Awards Committee Member, OU Chair, 2021-2022
2019 – 2022	Continuing Education Council, OU
2019 – 2020	Awards Committee Member, ILAC Chair, 2021-2022
2019 – 2020	CEDaR (Center for Educational Development and Research) Advisory Member, JRCoE
2019 – 2020	World Language Education Search Committee Member, ILAC
2018 – Present	Educational Programs Development Committee Member, JRCoE
2018 – Present	Elementary Education and Certification Committee Member, ILAC
2018 – Present	Mathematics Education Program Committee Member, ILAC Co-Coordinator 2019- Present

PROFESSIONAL SERVICE TO ORGANIZATIONS

2023 – Present	Awards Committee member, Oklahoma Council of Teachers of Mathematics
2022 – Present	University Representative, Oklahoma Council of Teachers of Mathematics
2021	Academic Standards in Mathematics Revisions Draft Committee Member, Department of Education, State of Oklahoma
2021	Proposal Reviewer, School Science and Mathematics Association Annual Convention
2021 – Present	Finance Committee, School Science and Mathematics Association
2020 – Present	Reviewer, Oklahoma Council of Teachers of Mathematics Journal
2020 – Present	Executive Board Member, Oklahoma Council of Teachers of Mathematics
2020 – 2022	Advocacy Co-chair, Oklahoma Council of Teachers of Mathematics
2020 – Present	Reviewer, Educational Studies in Mathematics
Fall 2020	Math Course Equivalency Project Representative, Oklahoma State Regents for Higher Education
2019	Oklahoma State Senate Interim Study on Textbook Adoption and Funding Reform
2019 – 2021	Conference Committee, Research Council on Mathematics Learning
2018 – Present	Reviewer, Education Sciences
2017 – Present	Reviewer, Investigations in Mathematics Learning
2017 – 2020	Membership Committee, School Science and Math Association
2016 – 2020	Reviewer, Mathematics Teaching in the Middle School
2017 – 2018	Mathematics Textbook Adoption Committee, Norman Public Schools
2015 – 2017	Graduate College Academic Appeals Panel Member

2015 – 2017	CEDaR Advisory Student Member
2015	Proposal Reviewer, School Science and Mathematics Association Annual Convention
2014 – Present	Reviewer, Mathematics Teacher

GRADUATE STUDENT ADVISING

Doctoral Committee Chaired (**denotes co-chair*)

Crowe, Tonya (*In progress*)

Stokes, Amber (*In progress*)

Howell, Mandy (*In progress*)

Sartin, Kristyn (*In progress*)

Williams, Samaya* (*In progress*)

Watson-Wilkes, Haleigh* (*In progress*)

Doctoral Committee Membership

Cummings, Amanda (*In progress*) Instructional Leadership and Academic Curriculum – Mathematics education.

Prise, Julia (*In progress*) Instructional Leadership and Academic Curriculum – Mathematics education.

Warren, Mariah (*In progress*) Instructional Leadership and Academic Curriculum – Science education

Moershel, Cristina (December 2022) The relationship between certification status and teacher evaluation: An analysis in a large urban district – Educational Leadership and Policy Studies.

Maldonado, Rebecca (May 2021) A multiple case study about making a difference: the ways Oklahoma English/literacy educators practiced self-awareness and developed and exercised their conscientização. Instructional Leadership and Academic Curriculum –English language arts education.

Masters Committees Chaired

Layman, Kayla (December 2023) *Implementing mindfulness activities into secondary mathematics classrooms to reduce math anxiety*. Instructional Leadership and Academic Curriculum – Mathematics education project.

Gulserian, Kelsi (May 2022) *Effects of Emergent Lessons on Student Beliefs about the Nature of Mathematics and Self-Efficacy*. Instructional Leadership and Academic Curriculum – Mathematics education project.

Long-Wheeler, Brenna (December 2021) *How secondary mathematics textbooks align to research on mathematical representations*. Instructional Leadership and Academic Curriculum – Mathematics education project.

Howell, Mandy (July 2021) *Fostering a student-centered approach to teaching and learning: A journey towards transformational coaching*. Instructional Leadership and Academic Curriculum – Mathematics education project.

Neil, Crystal (May 2020) *Need-based professional development for secondary math teachers with English language learners*. Instructional Leadership and Academic Curriculum - Mathematics education thesis.

Masters Committee Membership

Mayfield, Sierra (December 2022) *Pollution integrated unit for first grade*. Instructional Leadership and Academic Curriculum – Elementary education project.

Mayner, Rebekah (July 2020) *Enhancing mathematics: Student voice and agency*. Instructional Leadership and Academic Curriculum – Mathematics education project.

Baum-Sehon, Kelly (December 2019) *Gaming the system: Gamification in the mathematics classroom*. Instructional Leadership and Academic Curriculum – Mathematics education project.

Prise, Julia (May 2019). *Why Charlie Brown's teacher never could teach math*. Instructional Leadership and Academic Curriculum – Mathematics education project

Hawkins, Lindsay (December 2018). *Fostering and developing student's mindset in mathematics*. Instructional Leadership and Academic Curriculum – Mathematics education project

Stokes, Amber (December 2018). *Social justice curriculum in a remedial mathematics classroom*. Instructional Leadership and Academic Curriculum – Mathematics education project

UNDERGRADUATE HONORS RESEARCH SUPERVISED

Hummell, Audrey (Spring 2022) *How students feel about mathematics: An investigation into the make-up of a mathematical mindset*. EDMA 3980

Hall, Ashley (Fall 2021) *Math Anxiety: What is it and how to conquer it*. EDMA 3980

GRANTS AND FUNDED SCHOLARSHIP

University of Oklahoma's Rehumanizing (OUR) Mathematics Initiative: Preparing Culturally Responsive Math Teachers in Oklahoma (C0-PI) (*In-Review*) – \$1,198,443

Foundations Acceleration and Support for Teachers of STEM (FAST STEM) – funded \$550,000

Transformative Tutoring Initiative (Co-PI) – funded \$3,000,000

Building Oklahoma Networks of Educators of STEM (BONESTEM), an Oklahoma Teacher Connection Collegiate Grant, 2020 (Co-PI) – funded \$5000

Jeannine Rainbolt College of Education Travel Grant, 2018 – funded \$300.

Instructional Leadership and Academic Curriculum Department Travel Grant, 2018 – funded \$300.

Jeannine Rainbolt College of Education Travel Grant, 2017 – funded \$500.

Jeannine Rainbolt College of Education Travel Grant, 2016 – funded \$300.

Instructional Leadership and Academic Curriculum Dept. Travel Grant, 2016 - funded \$380.

AWARDS

Jeannine Rainbolt College of Education Outstanding Pre-Tenure Faculty Award, 2022

Instructional Leadership and Academic Curriculum Department Outstanding Pre-Tenure Faculty Award, 2022.

STaR Fellowship, 2019.

Jane Holland Browning Education Endowed Scholarship, 2017.

Bellweather Society Scholarship Recipient, 2015.

Semi-Finalist, Siemens Cooperation Outstanding STEM Teacher of the Year, 2009.

Nominated, Southern Maryland Electric Cooperative Mathematics Teacher of the Year, 2009.

Awarded, Huntingtown High School Teacher of the Month, Mar. 2010, Jan. 2009, Dec. 2007.

ORGANIZATIONAL MEMBERSHIPS

Association of Mathematics Teacher Educators	Aug. 2018 – Present
Headington College Community Fellow	Aug 2017 – Dec 2018
Research Council on Mathematics Learning	Oct. 2016 – Present
American Educational Research Association	Dec. 2014 – Present
School Science and Mathematics Association	Aug. 2014 – Present
Oklahoma Council of Teachers of Mathematics	Dec. 2014 – Present
Ontario College of Teachers	Feb. 2012 – Present
National Council of Teachers of Mathematics	Aug. 2003 – Present