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ACADEMIC DEGREES

- Ph.D.** 2001 **University of Kansas**, Lawrence, KS.
Major: Curriculum & Instruction - Mathematics Education
Minor: Research and Statistics
- M.S.A.** 1996 **Central Michigan University**, Mount Pleasant, MI.
Major: Administration
- B.S.E.** 1990 **University of Central Missouri**, Warrensburg, MO.
Major: Elementary Education
Minor: Mathematics

HIGHER EDUCATION LEADERSHIP EXPERIENCE

Associate Dean for Teacher Education and Undergraduate Programs, School of Education and Human Sciences, University of Kansas 2015-present

The University of Kansas (KU) is a comprehensive public research and teaching university, and a member of the Association of American Universities (AAU). The KU School of Education and Human Sciences (SOEHS) is comprised of five departments and over 100 faculty: Curriculum and Teaching; Educational Leadership and Policy Studies; Special Education; Educational Psychology; and Health, Sport, and Exercise Sciences. The SOEHS has an operating budget of approximately \$22 million and approximately \$40 million in research grants. The SOEHS enrolls approximately 900 undergraduate students and 1,200 graduate students. The SOEHS is ranked in the top 10 public schools of education in the country by *US News and World Report*.

- Advise and assist the Dean on academic, outreach, and budget matters as a contributor on the Dean's Team and the School Administrative Council
- Represent the University of Kansas and the School of Education and Human Sciences Dean as the Unit Head representative to the Kansas State Department of Education
- Engage directly with Dean's team to coordinate all Diversity, Equity, Inclusion, and Belonging (DEIB) activities, which include recruitment of students, faculty and staff, professional development for all constituents, and curriculum revisions related to DEIB
- Coordinate strategic planning initiatives and accreditation planning with Dean's team
- Cultivate alumni and donor prospects alongside the Dean and Endowment Association
- Engage in all School-related budgetary matters alongside the Dean and Administrative Council

- Provide leadership to the Dean's Alumni Advisory Board – including organizing fundraising activities such as Golf Tournament, Bowling Tournament, Scholarship Luncheon, Football Alumni events, etc.
- Oversee, facilitate, and coordinate all aspects of educator preparation (undergraduate/graduate programs) and undergraduate education in the School of Education and Human Sciences
- Oversee, facilitate, and coordinate the implementation of the assessment program for all licensure programs in the School of Education and Human Sciences
- Responsible for the preparation and submission of undergraduate and licensure reports (Title II, CAEP, Kansas State Department of Education), reviews (e.g., state program reviews) and other program documents
- Coordinate preparation and submission of the Undergraduate Catalog copy
- Serve/chair SOEHS committees and task forces working with faculty, students, staff, and alumni on initiatives, policy, and program development: e.g., Committee on Academic Programs and Curriculum (CAPC), Educator Preparation Program Advisory Council (EPPAC), KU Professional Development Schools Program Executive Council (KUPDS), Teacher Education Committee (TEC), Alumni Advisory Board, and Faculty Awards Committee
- Serve on university committees (e.g. - Associate Deans Advisory Council, Transfer and Articulation Policy Council, Academic Program Coordinating Committee, AIRE Service Experience Council, Community Engagement Consortium)
- Work with department chairs and scheduling officers on instructional planning
- Oversee the field placement office, the licensure office, the assessment office, and undergraduate records office
- Represent the School at state and national agencies and organizations
- Provide support for all undergraduate students in the School – approximately 900 students (on-ground and online, major, minor, certificate, transition to post-secondary education)
- Manage, create, and enforce all policies relevant to undergraduate education in the School including admissions, curriculum, graduation requirements, etc.
- Coordinate the undergraduate student application process
- Communicate with key constituents on a regular basis through electronic and face to face means
- Supervise several staff members and work with Human Resources to support their needs

KU Jayhawk Flex Competency-Based Education Leadership Steering Committee Member
University of Kansas, 2023-present

The steering committee oversees the design, development, and implementation of competency-based education at the University of Kansas.

KU Jayhawk Flex Competency-Based Education Initiative Team Leader: Curriculum, Development, & Learning Strand
University of Kansas, 2023-present

The CDL strand has responsibility for CBE curriculum and competency development, instructional design and learning assessment, credit for prior learning and pathways, and employer engagement in curriculum development.

STEM Teach KU Administrative Leader (formerly UKanTeach)

University of Kansas, 2015-present

UKanTeach was a partnership between the College of Liberal Arts and Science (CLAS) and the School of Education and Human Sciences to develop and implement a collaborative program that prepares mathematics and science teachers. The UKanTeach programs were restructured in 2019 into the STEM Teach KU programs with improved collaboration between the CLAS and the School.

Director of Graduate Studies

Department of Curriculum and Teaching, University of Kansas, 2010-2011

The C&T Department offers undergraduate and graduate programs in educator preparation. Master's and doctoral level graduate studies in curriculum and instruction prepare master teachers, researchers, specialists, professors, and leaders for all levels of education.

Elementary Teacher Education Program Coordinator

School of Education and Human Sciences, University of Kansas, 2008-2010

The Elementary Teacher Education program prepares undergraduate students to become kindergarten through sixth grade teachers. The program combines general and professional education coursework with multiple field experiences in elementary school classrooms.

Diversity Scholar

University of Kansas, 2018-2019

The Diversity Scholars Program is a selective program designed to promote broader faculty adoption of teaching methods, strategies, and course materials that enhance inclusivity and respect for diversity. Diversity Scholars work together for a year through monthly seminars to discuss readings and develop ideas that foster inclusion and diversity.

Senior Administrative Fellow

University of Kansas, 2013

The Senior Administrative Fellows Program is a selective program for designed developing administrative leadership skills. Fellows work together for a year, exploring senior administration at the university (the work, the challenges, major units of the university, budget, governance, governmental relations, leadership, future of higher education, and public policy). Fellows engage in a range of projects related to strategic planning, accreditation, policy creation and implementation, and donor relations, etc.

University Core Curriculum Committee, Chair

University of Kansas, 2013-2014

The UCCC is a university-wide standing committee that governs the KU Core by developing, sustaining, and overseeing the KU Core curriculum.

Mathematics Learning Map Team Leader

Dynamic Learning Maps Alternate Assessment System Consortium, 2011-2013

U.S. Department of Education, Office of Special Education Programs, 2011-2013, \$22,000,000.

University Organization and Administration Committee, Chair
University Senate, University of Kansas, 2009-2010 & 2012-2013

The O&A Committee considers and develops proposals concerning the structure and operation of university governance, reviews proposals for amendment to the University Senate Code and other documents to ensure consistency of language and format, and addresses issues relating to the structure and operation of governance as they arise.

PROFESSIONAL EXPERIENCE

University of Kansas, School of Education and Human Sciences, Lawrence, KS

Associate Dean for Teacher Education and Undergraduate Programs, 2015-present
School of Education and Human Sciences

Professor of Mathematics Education, 2023-present
Department of Curriculum & Teaching

Associate Professor of Mathematics Education, 2008-2023
Department of Curriculum & Teaching

Assistant Professor of Mathematics Education, 2002-2008
Department of Curriculum & Teaching

University of Central Missouri, College of Education, Warrensburg, MO

Assistant Professor of Elementary Education, 2001-2002
Department of Curriculum & Instruction

University of Kansas, School of Education, Lawrence, KS

Graduate Teaching Assistant, 1999-2001

University of Dayton, School of Education and Allied Professions, Dayton, OH

Graduate Research and Teaching Assistant, 1997-1999

Department of Defense Dependent Schools, Germany

Würzburg Elementary School, Würzburg, Germany
1993-1994 Elementary Teacher and District Mathematics Task Force Chair

Würzburg Elementary School, Wertheim Annex, Wertheim, Germany
1992-1993 Elementary Teacher

Würzburg American Middle School, Würzburg, Germany

DISCIPLINED INQUIRY

JOURNAL ARTICLES, BOOKS, BOOK CHAPTERS AND WHITE PAPERS

- Huffman, D., Feldman, K. & Herrick, I. (co-editors) (in-press) *STEM to STREAMS: Towards a more equitable vision of STEM education*. Rowman & Littlefield, Washington, D.C.
- Thomas, K. & Ginsberg, R. (2023) Time it was and what a time it was: Education during the pandemic in the U.S. *International Journal on Lifelong Education and Leadership* 9(1) 15-24.
- Raley, S. K., Shogren, K. A., Brunson, L., Gragoudas, S., Thomas, K. R., & Pace, J. R. (2022). Examining the impact of implementation supports on goals set by students in inclusive, secondary classes. *Exceptionality* 30(5), 324-339.
- Ng, J., Portillo, S., & Thomas, K. (2021). The rationalized myth of faculty mentoring: A critical examination of faculty experiences and institutional change. In V. L. Baker & A.L. Terosky (Eds.) *Bridging the Research-Practice Nexus: Resources, Tools, and Strategies to Navigate Mid-Career in the Academy*. Hanover, PA: New Directions for Higher Education no. 193-194, Wiley and Sons.
- Huffman, D., Thomas, K., & Basham, J. D. (2020). The transdisciplinary nature of STEAM education: Integrating STEAM in pre-service teacher education. In K. Thomas & D. Huffman (Eds.) *Challenges and Opportunities for Transforming from STEM to STEAM Education*. Hershey, PA: IGI Global.
- Jackson, H. A., Basham, J. D., Thomas, K., & Hunt, C. L. (2020). Designing STEAM learning environments. In K. Thomas & D. Huffman (Eds.) *Challenges and Opportunities for Transforming from STEM to STEAM Education*. Hershey, PA: IGI Global.
- Raley, S. K., Shogren, K. A., Rifenbark, G. G., Thomas, K., McDonald, A. F., & Burke, K. M. (2020). Enhancing secondary students' goal attainment and self-determination in general education mathematics classes using Self-determined Learning Model of Instruction. *Advances in Neurodevelopmental Disorders*, 4, 155-167.
- Thomas, K. & Huffman, D. (2020). *Challenges and Opportunities for Transforming from STEM to STEAM Education*. Hershey, PA: IGI Global.
- Thomas, K. & Huffman, D. (2020). Becoming STEAM: Perspectives from school leaders. In K. Thomas & D. Huffman (Eds.) *Challenges and Opportunities for Transforming from STEM to STEAM Education*. Hershey, PA: IGI Global.
- Thomas, K., Wolf-Wendel, L., Rothrock, K. (2020) Family-academic-work integration for STEM students. In A. Rockinson-Szapkiw, J. Wendt, & K. Wade-Jaimes (Eds.), *The*

STEM peer mentoring relationship: A culturally responsive guide for women and underrepresented minority women. Dubuque, IA: Kendall Hunt.

Bradley, B.A., Thomas, K., & Bradley, A. A. (2019). A home for three little pigs. *Science & Children*, 57(3), pp.40-48.

Thomas, K., Huffman, D., & Flake, M. (2019). Critical thinking and mathematics teaching and learning. In S. Robinson & V. Knight (Eds.), *Handbook of Research on Critical Thinking and Teacher Education Pedagogy*. Hershey, PA: IGI Global.

Thomas, K., Huffman, D., & Flake, M. (2016). Pre-service elementary teacher dispositions and responsive pedagogical patterns in mathematics. In A. G. Welsh & S. Areepattamannil (Eds.), *Dispositions in Teacher Education: A Global Perspective*. Boston, MA: Sense Publishers.

Thomas, K. & Mark, C. (2014). *Learning Maps: Expanding the Concept of Cognitive Models*. White Paper for the Dynamic Learning Maps Alternate Assessment project.

Thomas, K. (2013). Changing mathematics teaching practices and improving student outcomes through collaborative evaluation. *Teacher Education and Practice*, 26(4), pp. 779-796.

Bechard, S., Hess, K., Camacho, C., Russell, M., & Thomas, K. (2012). *Why should cognitive learning models be used as the foundation for designing next generation assessment systems?* Topic 1 Monograph released at the Colloquium on Learning Models (Learning Maps/Progressions, etc.), Instruction, and Next Generation Assessments that Include Special Populations: Washington, D.C., October 2012

Thomas, K. & Huffman, D. (2011) Navigating the challenges of helping teachers use data to inform educational decisions, *Administrative Issues Journal*, 1(2), 94-102.

Peter, L., Ng, J., & Thomas, K. (2011). How career changers make sense of teaching through professional metaphor. *Action in Teacher Education*, 33, 232-245.

Thomas, K. & Hart, J. (2010). Pre-Service teachers' perceptions of model eliciting activities. In R. Lesh, et al. (eds.), *Modeling Students' Mathematical Modeling Competencies*. New York: Springer Science+Business Media, LLC

Huffman, D. & Thomas, K. (2009). Collaborative inquiry and data-based decision making. In T. Kowalski & T. Lasley (Eds.) *Handbook on Data-based Decision Making in Education* (pp. 344-362). Mahwah, NJ: Lawrence Erlbaum.

Huffman, D. Lawrenz, F., & Thomas, K. (2008). A collaborative immersion approach to evaluation capacity building. *American Journal of Evaluation*, 29(3), 358-368.

- Huffman, D., Thomas, K., & Lawrenz, F. (2008). Science and mathematics instruction in a reform-based teacher preparation program. *School Science and Mathematics*, 108(4), 137-145.
- Huffman, D., Thomas, K., Lombardi, K., Lundy, A. & Atwood-Blaine, D. (2008). Reforming elementary science through collaborative evaluation communities. *CESI Science*, 40(1), 12-22.
- Lawrenz, F., Thomas, K., Huffman, D., and Clarkson, L. (2008). Evaluation capacity building in the schools: Administrator-led and teacher-led perspectives, *Canadian Journal of Program Evaluation*, 23(3).
- Ng, J. & Thomas, K. (2007). Cream of the crop: A dual case study of outstanding urban teachers from an alternative route mathematics and science program. *Action in Teacher Education*, 21(9), 3-19.
- Thomas, K. R. (2006). Students THINK: A framework for improving problem solving. *Teaching Children Mathematics*, 13 (2), 86-95.
- Thomas, K. (2006). Authentic assessments in an elementary mathematics methods course. *The Advocate*, 14(1), 26-31.
- Huffman, D. Lawrenz, F., Thomas, K., & Clarkson, L. (2006). Collaborative evaluation communities in urban schools: A model of evaluation capacity building for STEM education. In D. Huffman & F. Lawrenz (Eds.) Critical issues in STEM evaluation. *New Directions for Evaluation*, 109, 73-85.
- Huffman, D. Lawrenz, F., & Thomas, K. (2006). Synthesis of STEM education evaluation ideas. In D. Huffman & F. Lawrenz (Eds.) Critical issues in STEM evaluation. *New Directions for Evaluation*, 109, 105-108.
- Aldrich, J. E. & Thomas, K. R. (2005). Evaluating constructivist beliefs of teacher candidates. *Journal of Early Childhood Teacher Education*, 25, 339-347.
- Thomas, K. R. & Hohn, R. L. (2005). A dozen ways to make a difference: How teachers can foster students' mathematical thinking. *ENC Focus Online*. (available on-line at <http://www.enc.org/features/focus/archive/ideaseslmath/?ls=ho>)
- Thomas, K. R., Friedman-Nimz, R., Mahlios, M., O'Brien, B. (2005) Where are they coming from? Beyond demographics of individuals seeking an alternative route to mathematics and science teacher licensure. *Action in Teacher Education*, 27 (1), 10-15.
- Huffman, D., Thomas, K., & Lawrenz, F. (2003). Relationship between professional development, teachers' instructional practices, and the achievement of students in science and mathematics. *School Science and Mathematics*, 103(8), 378-387.

Weimer, J., Ridenour, C., Thomas, K., Place, W. (2001) Higher-order teacher questioning of boys and girls in elementary mathematics classrooms. *The Journal of Educational Research*, 95, 84-92.

CONFERENCE PROCEEDINGS and ERIC Documents

Lamson, S. L., Aldrich, J. E., Thomas, K. R. (2003). Using social inquiry strategies to enhance teacher candidate dispositions. (ERIC Document Reproduction Service No. ED 474176).

Thomas, K., Thomas, M. Hofmeister, D, King, A. (2002). *Using web-based software in teacher education courses*. Proceedings of the Association for the Advancement of Computing in Education World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education: Montreal, Canada, October, 2002.

Thomas, K. R. & Aldrich, J. E. (2002). *Evaluating the diverse constructivist beliefs of early childhood, elementary, and middle school education majors*. (ERIC Document Reproduction Service No. ED 346082).

Lamson, S., Thomas, K., Aldrich, J. & King, A. (2001). *Assessing pre-service candidates' web-based electronic portfolios*. (ERIC Document Reproduction Service No. ED 458202).

Thomas, K., Lamson, S., & King, A. (2001). *Training teacher candidates to create web-based electronic professional portfolios*. (ERIC Document Reproduction Service No. ED 458191).

EVALUATION / TECHNICAL REPORTS

Ginsberg, R., DeBacker, D., Mann, B., Kamatuka, N., Bessolo, J., Huffman, D., Perbeck, D., Robinson, S., Thomas, K., Bright, K. E., Brown, S., Hammouda, D. (2022). *Kansas City Kansas Schools Environment Scan*.

Thomas, K. (2021). *Southern Illinois Teacher Education Programs Review Evaluation Report*.

Dynamic Learning Maps Alternative Assessment Consortium & Edvantia, Inc. (2012). *Common Core Essential Elements and Alternative Achievement Descriptors for Mathematics*. Essential elements of academic standards for the Dynamic Learning Maps Alternative Assessment project.

Walsh, T. J., Mark, C., Ferster, A., Wang, W., Zhao, F., Jia, Y., Thomas, K., Sheinker, A., Kingston, N. (2012). *Educational Assessment with a Dynamic Learning Map*. Technical working paper of Quantitative Assessment Portions of the Dynamic Learning Maps project.

Thomas, K. (2005, 2006, 2007, 2008). *University of Kansas Freshman Institute Evaluation Report*.

Huffman, D. & Thomas, K. (2005, 2006, 2007). *Collaborative Evaluation Communities in Urban Schools: Annual Report to The National Science Foundation*.

Thomas, K. R. with Capps, L., Poggio, J. C., & Glasnapp, D. R. (2002). *An analysis of the content, completeness, and substance of the revised Kansas mathematics standards*. A technical report prepared for the Kansas State Department of Education.

REFEREED PRESENTATIONS AT PROFESSIONAL MEETINGS

Pavlovich, M., Thomas, K. & LaVoy, C. (2020). *Becoming Mathematical: The Power of Teachers to Productively Shape Students' Identities*. Presented at the National Council of Teachers of Mathematics Annual Meeting: Atlanta, GA April 2, 2020.

Thomas, K., Poggio, J., & Ginsberg, R. (2019). *Assessing Metacognitive and Noncognitive Skills*. Roundtable Paper presented at the American Educational Research Association Annual Meeting: Toronto, CA April 9, 2019.

Thomas, K., Huffman, D., & McManus, J. (2019). *Virtual Communities of Practice: Building Collaborations and Partnerships*. Future Castings Session presented at the American Association of Colleges for Teacher Education Annual Meeting: Louisville, KY February 22, 2019.

Thomas, K., Ginsberg, R., Huffman, D., & Ellis, J. (2018). *Capturing and Using Evidence of Dispositions and Affective Attributes as a Component of Pre-Service Teachers' Professional Identity and for Program Improvement*. Future Castings Session presented at the American Association of Colleges for Teacher Education Annual Meeting: Baltimore, MD March 2, 2018.

Thomas, K., Ginsberg, R., Poggio, J., White, S., Ellis, J., & Davidson, B. (2017). *Development of an Instrument to Measure Prospective Teachers' Non-cognitive Skills*. Poster presented at the American Educational Research Association Annual Meeting: San Antonio: TX April 27, 2017.

Thomas, K., Ginsberg, R., Davidson, B., Ellis, J., Poggio, J., White, S., & Pelkey, L. (2017). *Developing and Using Measures of Non-cognitive Variables for Admissions and Program Decisions*. Perspectives Session presented at the American Association of Colleges for Teacher Education Annual Meeting: Tampa Bay, FL March 3, 2017.

Thomas, K. & Flake, M. (2015) *Using Student Interview Videos to Analyze Mathematical Thinking and Development*. Presented at the National Council of Teachers of Mathematics Annual Meeting: Boston: MA April 16, 2015.

Thomas, K., Sheinker, A., Sood, P., & Flake, M. (2013). *Mapping the Way: Using a Learning Map to Analyze Assessment Data and Guide Mathematics Instruction*. Presented at the

- National Council of Supervisors of Mathematics Annual Meeting: Denver, CO April 17, 2013.
- Thomas, K., & Sood, P. (2012). *Navigating the Places to go When Learning Mathematics: Using Common Core State Standards as a Map for Instruction*. Presented at the Kansas State Department of Education Annual Meeting: Wichita, KS Nov. 7, 2012.
- Thomas, K., Mark, C., & Crawford, J. (2012). *Dynamic Learning Maps Alternate Assessment: Process and Progress*. Presented at the National Conference on Student Assessment: Minneapolis, MN June 28, 2012.
- Thomas, K., Sheinker, A., Broadus, A., & Sood, P. (2012). *Constructing a Street Level View of the Common Core State Standards: A Map for How All Students Learn Mathematics*. Presented at the National Council of Supervisors of Mathematics Annual Meeting: Philadelphia, PA April 23, 2012.
- Thomas, K., Sheinker, A., & Joannou, K. (2012). *The Road Less Traveled for Alternate Assessment: Mapping Multiple Learning Pathways*. Presented at the Council of Exceptional Children Annual Meeting: Denver, CO April 13, 2012.
- Thomas, K. (2011). *Changing Teaching Practices and Students' Outcomes Through Collaborative Evaluation*. Paper presented at the National Council of Teachers of Mathematics Research Pre-session: Indianapolis, IN April 12, 2011.
- Thomas, K. & Huffman, D. (2010). *Elementary Mathematics and Science Teachers Confronting the Challenges of Data-Based Decision Making*. Paper presented at the American Educational Research Association Annual Meeting: Denver, CO May, 2010.
- Ng, J., Peter, L., & Thomas, K. (2010). *Professional Metaphors: How Career Changers Make Sense of Teaching*. Paper presented at the American Educational Research Association Annual Meeting: Denver, CO May, 2010.
- Thomas, K. & Huffman, D. (2009). *Connecting a Model for Collaborative Evaluation with Data-Based Decision Making in Elementary School Mathematics*. Paper presented at the Mid-Western Educational Research Association Annual Meeting: St. Louis, MO October, 2009.
- Thomas, K., Huffman, D. & Lombardi, K. (2009). *Saying what I do, doing what I say: Teachers using collaborative evaluation*. Research poster presented at the Research Pre-Session of the National Council of Teachers of Mathematics Annual Meeting: Baltimore, MD April, 2009.
- Thomas, K., Huffman, D., Lombardi, K., Atwood-Blaine, D., & Klotz, B. (2008). *The product of our differences: Enhancing elementary mathematics teaching through collaborative evaluation communities*. Paper presented at the annual meeting of the American Evaluation Association: Denver, CO. November, 2008.

- Huffman, D., Thomas, K., Atwood-Blaine, D., Lombardi, K., & Klotz, B. (2008). *Evaluating the impact of science fair participation on student understanding of scientific process using the CEC approach*. Paper presented at the annual meeting of the American Evaluation Association: Denver, CO. November, 2008.
- Thomas, K., Lombardi, K., & Huffman, D. (2008). *Investigating the impact of accountability on mathematics programs through collaborative evaluation communities in urban schools*. Paper presented at the annual meeting of the American Educational Research Association: New York, NY April, 2008.
- Huffman, D., Thomas, K., Lombardi, K., & Hohl, C. (2007). *Immersion in school-based evaluation communities*. Poster presented at the annual meeting of the American Evaluation Association: Baltimore, MD, November, 2007.
- Thomas, K. (2007). *Data unplugged: Think outside the book*. Presented at the National Council of Teachers of Mathematics Regional Conference: Kansas City, MO, October, 2007.
- Thomas, K. and Stowe, R. (2007). *Bombarded with data: Using an inquiry process to guide teaching practice*. Presented at the National Council of Teachers of Mathematics Regional Conference: Kansas City, MO, October, 2007.
- Thomas, K. & Hart, J. (2007). *Integrating a models and modeling perspective in mathematics teacher education: How can it be accomplished and what does it look like?* Paper presented at the ICTMA13 Conference: Bloomington, IL, July, 2007.
- Hart, J. & Thomas, K. (2007). *Integrating a models and modeling perspective in primary school mathematics: How can it be accomplished and what does it look like?* Paper presented at the ICTMA13 Conference: Bloomington, IL, July, 2007.
- Thomas, K. & Poggio, A. (2007). *The implications of implementing a standards-based mathematics curriculum: An assessment of the long-term impact*. Poster presented at the annual meeting of the American Educational Research Association: Chicago, IL, April, 2007.
- Thomas, K. & Wolkowitz, A. (2007). *Gender influences on mathematical problem solving: The impact of an interaction framework on problem solving abilities of 6th grade boys and girls in an urban school*. Poster presented at the annual meeting of the American Educational Research Association: Chicago, IL, April, 2007.
- Ng, J. & Thomas, K. (2007). *Pursuing educational quality through an alternative route to certification: The stories of two exemplary urban first-year teachers*. Paper presented at the annual meeting of the American Educational Research Association: Chicago, IL, April, 2007.

- Thomas, K. (2007). *A collaborative approach to program evaluation: Impact on teachers*. Paper presented at the research pre-session of the National Council of Teachers of Mathematics Annual Meeting: Atlanta, GA, March, 2007.
- Thomas, K. & Ng, J. (2007). *A successful pathway to urban teaching excellence: A glimmer of hope*. Paper presented at the Association of Teacher Educators Annual Meeting: San Diego, CA, February, 2007.
- Thomas, K., Huffman, D., Lawrenz, F., & Clarkson, L. (2006). *New Perspectives on Evaluation Capacity Building: A model for developing collaborative evaluation communities in public schools*. Paper presented at the annual meeting of the American Evaluation Association: Portland, OR, October, 2006.
- Lawrenz, F., Huffman, D., Thomas, K., & Clarkson, L. (2006). *PI/Advisor perspectives on the graduate student portion of the CEC project*. Paper presented at the annual meeting of the American Evaluation Association: Portland, OR, October, 2006.
- Barker, D., Hohl, C., Lombardi, K., Huffman, D., & Thomas, K. (2006). *Reforming elementary science through collaborative evaluation communities*. Paper presented at the annual meeting of the American Evaluation Association: Portland, OR, October, 2006.
- Thomas, K. & Clarkson, L. (2006). *Engaging teachers in the collaborative evaluation of mathematics programs*. Poster presented at the research pre-session of the National Council of Teachers of Mathematics Annual Meeting: St. Louis, MO, April, 2006.
- Thomas, K., Friedman-Nimz, R., Mahlios, M. & Ng, J. (2006). *A collaborative model for the alternative preparation of mathematics and science teachers: One year later*. Paper presented at the Association of Teacher Educators Annual Meeting: Atlanta, GA, February, 2006.
- Mahlios, M., Friedman-Nimz, R., Thomas, K., Rice, S., & O'Brien, B. (2006). *Development and field-testing of an instrument designed to measure teacher's curricular beliefs*. Paper presented at the Association of Teacher Educators Annual Meeting: Atlanta, GA, February, 2006.
- Huffman, D., Thomas, K., Lawrenz, F., & Clarkson, L. (2005). *Collaborative evaluation communities in urban schools (CEC)*. Poster presented at the annual meeting of the American Evaluation Association: Toronto, Canada, October, 2005.
- Thomas, K. R. (2005). *Just T-H-I-N-K: Enhancing students' problem solving*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting: Anaheim, CA, April, 2005.
- Thomas, K. R. (2005). *Lighting the fire: Engaging teacher candidates in purposeful inquiry to enhance student mathematics learning*. Paper presented at the Association of Teacher Educators Annual Meeting: Chicago, IL, February, 2005.

- Thomas, K. R., Friedman-Nimz, R., & Mahlios, M. (2004). *From the outside looking in: perceptions of curriculum from mathematics and science alternative route teacher candidates*. Paper presented at the American Educational Studies Association Annual Conference: Kansas City, MO, November, 2004.
- Thomas, K. R. (2004). *THINK: Through a school-wide journey of metacognitive proportions*. Paper presented at the Kansas Association of Teachers of Mathematics Annual Meeting: Topeka, KS, October, 2004.
- Thomas, K. R. (2004). *Moving beyond review-teach-practice: active learning for all*. Paper presented at the National Council of Teachers of Mathematics Annual Meeting: Philadelphia, PA, April, 2004.
- Thomas, K. R. (2004). *Authentic assessment in mathematics education: modeling professionalism*. Paper presented at the Association of Teacher Educators Annual Meeting: Dallas, TX, February, 2004.
- Thomas, K. R. (2003). *Making mathematics meaningful in multiple ways*. Session presented at the Kansas Association of Teachers of Mathematics Annual Meeting: Fort Hays, KS, October, 2003.
- Thomas, K. R. (2003). *Mind the gap: connecting the heart and mind through alternative teacher candidate assessment of understanding*. Paper presented at the Association of Childhood Education International Annual Conference: Phoenix, AZ, April, 2003.
- Thomas, K. R. (2003). *Meeting the challenge: Regional teacher collaboration for excellence in middle school mathematics education*. Paper presented at the Association of Teacher Educators Annual Meeting: Jacksonville, FL, February, 2003.
- Thomas, K. R. & Aldrich, J. E. (2003). *Meeting the challenge: Innovative student-centered strategies in teacher education for academic excellence*. Paper presented at the Association of Teacher Educators Annual Meeting: Jacksonville, FL, February, 2003.
- Lamson, S. L., Thomas, K. R. & Aldrich, J. E. (2003). *Using social inquiry strategies to enhance teacher candidate dispositions*. Paper presented at the Association of Teacher Educators Annual Meeting: Jacksonville, FL, February, 2003.
- Thomas, K., Thomas, M. Hofmeister, D, King, A. (2002). *Using web-based software in teacher education courses*. Paper presented at the Association for the Advancement of Computing in Education World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education: Montreal, Canada, October, 2002.
- Thomas, K. R. (2002). *Standards-based curriculum versus traditional curriculum: A comparison of middle school mathematics achievement*. Paper presented at the Mid-

Western Educational Research Association Annual Conference: Columbus, Ohio, October, 2002.

Thomas, K. R. & Aldrich, J. E. (2002). *Evaluating the diverse constructivist beliefs of early childhood, elementary, and middle school education majors*. Roundtable discussion at the Mid-Western Educational Research Association Annual Conference: Columbus, Ohio, October, 2002.

Thomas, K. (2002). *Preparing candidates for the challenges of teaching mathematics: Teacher candidate reflections of learning at the completion of a mathematics methods course*. Paper presented at the Association of Teacher Educators Annual Conference: Denver, CO, February 2002.

Lamson, S., King, A., Thomas, K., Aldrich, J. (2002). *Reinventing the wheel: Revisions of web-based portfolios and the implementation chaos*. Paper presented at the Association of Teacher Educators Annual Conference: Denver, CO, February 2002.

Lamson, S., Aldrich, J., Thomas, K., King, A. (2001). *Follow-up data from preparing candidates to create a web-based electronic professional portfolio*. Paper presented at the Missouri Unit Association of Teacher Educators Conference: Fulton, MO, October 2001.

Lamson, S., Thomas, K., Aldrich, J. & King, A. (2001). *Assessing pre-service candidates' web-based electronic portfolios*. Paper presented at the Association of Teacher Educators Summer Conference: Portland, OR, August, 2001.

Thomas, K., Lamson, S., & King, A. (2001). *Training teacher candidates to create web-based electronic professional portfolios*. Paper presented at the Association of Teacher Educators Annual Conference: New Orleans, LA, February, 2001.

Lamson, S. Thomas, K., & King, A. (2000). *Teacher candidates' professional portfolios utilizing an electronic web-based format*. Paper presented at the Missouri Unit Association of Teacher Educators Conference: Columbia, MO, October 2000.

INVITED PRESENTATIONS

Thomas, K. & Huffman, D. (2021). *How to become a STEAM school*. Webinar presented as part of the STEAM Talks webinar series hosted by CIDTFF-Research Centre in Didactics and Technology in Education of Trainers, University of Aveiro, Portugal.

Thomas, K. (March, 2017). *Thinking Beyond: Bringing Out the Beauty in Mathematics*. Budig Professorship Lecture to the University of Kansas, School of Education.

Thomas, K. (December, 2012). *Dynamic Learning Maps Alternate Assessment: Overview of the Mathematics Learning Map*. Presented at the Quarterly Meeting of Kansas Mathematics Education Leaders at Kanas City, Kansas Public School District.

Huffman, D. & Thomas, K. (June, 2007). *Collaborative Evaluation Communities in Urban Schools (CEC): Project Update and Case Study Report*. Brownbag presentation at The National Science Foundation, Washington, D.C.

Thomas, K. (2006). Mathematics Instructional Strategies for Language Acquisition. Session presented to the teachers at Cordley Elementary School, Lawrence, KS.

Huffman, D. & Thomas, K. (2006). *Collaborative Evaluation Communities in Urban Schools (CEC)*. Presentation for the Center for Science Education, the University of Kansas.

Thomas, K. (2003, 2004, 2005, 2006). *Understanding the Intellectual Development of Undergraduate Students*. Session presented to graduate teaching assistants for the University of Kansas, Center for Teaching Excellence, GTA Summit. Also presented a modified version of the session for a faculty development series.

Huffman, D., Thomas, K., Lawrenz, F., & Clarkson, L. (Dec., 2005). *Collaborative Evaluation Communities in Urban Schools (CEC)*. Poster presented at the EREC PI meeting hosted by The National Science Foundation. Washington, DC.

FUNDED GRANTS & CONTRACTS

Principal Investigator, *Expanding the World of Teaching Through Enhanced Teacher Education Pathways*, Kansas Board of Regents, 2023-2024, \$162,106.

Advisory Board, *Corgi 2020: Scaling Models for the Classrooms of Tomorrow*, U.S. Department of Education, Office of Special Education Programs, 2020-2025, \$2,500,000.

Mathematics Team Lead, *Dynamic Learning Maps Alternate Assessment System Consortium*, U.S. Department of Education, Office of Special Education Programs, 2011-2013, \$22,000,000.

Research and Development Senior Consultant, SBIR Phase I: ENGAGE: An Online Multiplayer Game for Math Proficiency, The National Science Foundation, 2009-2010, \$149,890

Evaluation Consultant, *The Kansas Partnership for Graduate Fellows in K-12 Education*, The National Science Foundation, 2008-2013, \$2,922,000.

Co- Principal Investigator, *Collaborative Evaluation Communities in Urban Schools (CEC)*, The National Science Foundation, Washington, DC, 2005-2008, \$636,900.

Co-Principal Investigator, *Kauffman Mathematics and Science Planning Grant*, USD 232, DeSoto School District, DeSoto, KS, 2005-2006, \$19,972.

Principal Investigator, *The Nature of Mathematics Instruction in Urban Elementary Schools*, The University of Kansas, 2004-2006, \$8,000.

Consultant, *Cordley Elementary Comprehensive School Reform Grant*, Lawrence Public Schools, Lawrence, KS, 2005-2006. External consultant to provide evaluation tools.

HONORS & AWARDS

2016-2017 Budig Teaching Professorship University of Kansas, School of Education Nominated by colleagues.	2016
Faculty Achievement Award for Service University of Kansas, School of Education Nominated by colleagues.	2014
Geiger-Gould Teaching Award University of Kansas, School of Education Nominated by students in the School of Education	2007
Faculty Achievement Award for Teaching University of Kansas, School of Education Nominated by colleagues.	2006
Summer Research Support Award University of Kansas, School of Education	2006
Teaching Excellence Award Center for Teaching Excellence, University of Kansas Nominated by undergraduate students in the School of Education.	2004
Outstanding Faculty Award University of Central Missouri Nominated by undergraduate students.	2002

INSTRUCTION

SAMPLE COURSES TAUGHT

C&T 351; Mathematics in the Elementary Classroom
T&L 348; Teaching Mathematics in Elementary and Middle School
C&T 495; Developing the Kansas Performance Teaching Portfolio
C&T 750; Connecting Research to Practice in Elementary Mathematics and Science
C&T 852; Instruction in Mathematics & Science
C&T 854; Assessment and Evaluation in Science and Mathematics
C&T 998; Introduction to Graduate Studies in Curriculum & Teaching
T&L 733; Mathematics in the Elementary School

T&L 734; Integration of Instruction in the Elementary School
T&L 833; Diagnosis and Remediation in Elementary Mathematics
T&L 998; Research in Teaching and Leadership

SAMPLE SERVICE

Professional Standards Board, Kansas State Department of Education, (2024-present)

Educator Workforce Taskforce, Kansas Board of Regents, (2023)

Educator Recruitment and Retention Task Force, Kansas State Department of Education, (2022)

External Evaluator—Office of Teacher Education, Southern Illinois University, Carbondale (2021)

Kansas State Department of Education, Kansas Professional Learning Team, (2021-present)

Council for the Accreditation of Educator Preparation, Accreditation Reviewer (2017-present)

Olathe 21st Century Future Educators Academy Advisory Board (2017-Present)

Kansas State Department of Education, Educator Preparation Program Accreditation Reviewer, (2015-present)

Council of Academic Deans from Research Education Institutions Nomination and Selection Committee (2018)

Portrait of a Graduate Task Force, Olathe School District (2018-2019)

University of Kansas, Academic Program Coordinating Committee, (2021-present)

University of Kansas, AIRE Service Experience Council, (2021-present)

University of Kansas, Community Engagement Consortium, (2019-present)

University of Kansas, Transfer and Articulation Policy Council, (2016-present)

University of Kansas, Faculty Senate, (2008-2011)
Served as a member of the university and faculty senate.

University of Kansas, University Core Curriculum Committee, (2012-2014; Chair 2013-2014), School of Education Representative

University of Kansas, Organization and Administration Committee [Chair, 2009-2010 and 2012-2013], (member 2006-2010; 2011-2014)

University of Kansas, Higher Learning Commission 3C Subcommittee, (2013-2014)

University of Kansas, Faculty Senate Research Committee, (2010-2011)

University of Kansas, University Senate Judicial Board, (2011-2015)

University of Kansas, General Education Goal 5 Satellite Committee, (Fall, 2011)