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LAUREN RIGBY

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Doctoral Candidate
Department of Curriculum and Instruction
University of Texas at Austin

EDUCATION

Ph.D., STEM Education, University of Texas at Austin — **Spring 2027 (Expected)**
- Dissertation Title: *Exploring the Design of Disability-Centered Research, Teacher Education, and Professional Learning for K-12 Mathematics Teachers and Special Educators*

M.S., Mathematics Education, Brigham Young University — **2022**

B.S., Mathematics Education, Brigham Young University — **2015**
- Minors: Theatre Studies and Family Life

FELLOWSHIPS, HONORS, & AWARDS

Addison E. Lee Research Support Fellowship, University of Texas at Austin — **2026-2027**
College of Education Graduate Student Research Award, University of Texas at Austin — **2026-2027**
Susan Gay Conference Travel Scholarship, Association of Mathematics Teacher Educators — **2026**
Linking Research and Practice Outstanding Publication Award, National Council of Teachers of Mathematics — **2025**
Texas New Scholars Award, University of Texas at Austin — **2025-2026**
Addison E. Lee Research Support Fellowship, University of Texas at Austin — **2025-2026**
Long Joe and Teresa Graduate Fellowship, University of Texas at Austin — **2024-2025**
STEM Ed Fellowship, University of Texas at Austin — **2023-2024**

PROFESSIONAL EXPERIENCE

Graduate Research Assistant, University of Texas at Austin, Austin, TX
- DREAM Project — **2023-Present**
- Elementary OpenSciEd Project — **2023-2026**

Assistant Instructor, Department of Curriculum and Instruction, College of Education, University of Texas at Austin, Austin, TX — **2025, 2026**
Graduate Teaching Assistant, Department of Curriculum and Instruction, College of Education, University of Texas at Austin, Austin, TX — **2024, 2026**

Secondary Math Teacher, American Fork Junior High, American Fork, UT	**2019-2023**
Mathematics Vision Project Content Provider, MVP, Lehi, UT	**Summer 2021**
Mathematics Curriculum Author, BYU Independent Study, Provo, UT	**Summer 2020**
Math 8 District Teacher Leader, Nebo School District, Spanish Fork, UT	**2017-2019**
Secondary Math Teacher, Salem Junior High, Salem, UT	**2015-2019**

RESEARCH INTERESTS

Inclusive Mathematics Education, Disability Studies, Teacher Education, Mathematics Special Education, Mathematics Co-Teaching

PUBLICATIONS

Rigby, L., Teng, L., & Yeh, C. (Accepted). Removing Barriers to Participation: The Impact of the UDL Math Learning Lab. In E. Kestel, K. Karp, & A. Peter-Koop (Eds.), *Teaching mathematics to learners with special needs.* Springer.

Yeh, C., **Rigby, L**., Gomez Zwiep, S., & Johnson, A. (2026). Variability in action: How data shapes children's understanding of the natural world. *Science and Children. 63*(1), 90-95. https://doi.org/10.1080/00368148.2025.2585577

Yeh, C., **Rigby, L.,** & Ou, A. (2026). Belonging by design: A culturally sustaining UDL approach to mathematics education. In K. L. Terrell & D. S. Pimentel (Eds.), *Culturally sustaining pedagogies in mathematics and technology education: Research, practices, and critical reflections* (pp. 167-200). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3373-5337-1.ch006

Yeh, C., **Rigby, L.**, Huerta, S., & Engelhard, C. (2024). Culturally sustaining universal design for mathematics learning. *Mathematics Teacher: Learning and Teaching PK-12*, *117*(11), 792-801. https://doi.org/10.5951/MTLT.2023.0364

Rigby, L. (2022). *Variational and covariational reasoning of students with disabilities* [Master's thesis, Brigham Young University]. ProQuest Dissertations & Theses Global.

Conference Proceedings

Rigby, L. (Accepted). "Finally taking a step back": Mathematics co-teachers' power negotiations and knowledge exchanges during co-planning. *Proceedings of the 48th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.* Provo, UT.

Mirin, A., Yeh, C., Warburton, T. T., Sheldon, J., **Rigby, L.**, Ou, A., & Rands, K. (Accepted). Critical disability studies in mathematics education: Asset-based pedagogy. *Proceedings of the 48th*

Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Provo, UT.

Rigby, L. (2024). Understanding the conceptual reasoning of students with disabilities through mathematical self-corrections. In K.W. Kosko, J. Caniglia, S. Courtney, & M. Zolfaghari (Eds.), *Proceedings of the 46th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 664-665. Cleveland, OH. 10.51272/pmena.46.2024

Yeh, C., **Rigby, L.,** & Lopez, F. (2024). Place matters: Mapping consequential geographies through place inquiry and spatial methods in bilingual mathematics education. In K.W. Kosko, J. Caniglia, S. Courtney, & M. Zolfaghari (Eds.), *Proceedings of the 46th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 404-412. Cleveland, OH. 10.51272/pmena.46.2024

Work In Preparation

Rigby, L., Sanchez, M., & Yeh, C. (In Progress). Disrupting normalcy in mathematics education: Toward disability as asset-based pedagogy. In C. Yeh., K. Lewis, & P. Tan (Eds.), *Centering disability in mathematics education: asset-based learning and building solidarity*. Harvard Education Press.

PUBLISHED CURRICULUMS

Clayton, T., & McGreal, A. (Eds.). (2026). How does changing the flow of water impact Earth's systems, and how can humans help?. OpenSciEd. https://openscied.org/instructional-materials/5-3-earth-systems/

Joplin, A., & McGreal, A. (Eds.). (2026). How do plants' and animals' structures function together to meet their needs?. OpenSciEd. https://openscied.org/instructional-materials/4-4-structure-function/

Housman, G., Joplin, A., & Mohan, L. (Eds.). (2026). Why do animals and plants live where they do and what should we do when it changes?. OpenSciEd. https://openscied.org/instructional-materials/3-4-ecosystem-change-survival/

Huels, D., & Morris, C. (Eds.). (2026). How can plants grow in different places?. OpenSciEd. https://openscied.org/instructional-materials/2-4-puzzling-plants/

Morris, C. (Ed.). (2025). What patterns of the Sun, Moon, and stars can we observe, describe, and predict?. OpenSciEd. https://openscied.org/instructional-materials/1-3-space-sky-patterns/

Housman, G., Joplin, A., Mohan, A., & Mohan, L. (Eds.). (2025). Why do animals look and act the way that they do?. OpenSciEd. hhttps://openscied.org/instructional-materials/3-3-trait-variations/

Clayton, T., & Huels, D. (Eds.). (2025). How can we design a new toy?. OpenSciEd. https://openscied.org/instructional-materials/2-2-matter/

Mohan, A., & Mohan, L. (Eds.). (2025). Why do plants only grow well in certain places, and how can we protect them?. OpenSciEd. https://openscied.org/instructional-materials/3-2-weather-hazards/

Guy-Gaytán, C., Housman, G., & Joplin, A. (Eds.). (2025). How do we power clocks and other devices?. OpenSciEd. https://openscied.org/instructional-materials/4-2-electricity/

Bismack, A., & Housman, G. (Eds.). (2025). Why do some surfaces get hot and how can we make them less hot?. OpenSciEd. https://openscied.org/instructional-materials/k-1-energy-sunlight/

Guy-Gaytán, C., & Housman, G. (Eds.). (2024). Why does an object's motion change?. OpenSciEd. https://openscied.org/instructional-materials/unit-4-1-energy-transfer-collisions/

Deutch Noll, J., & Klein, E. (Eds.). (2024). How does a nurse log help other things live and grow?. OpenSciEd. https://openscied.org/instructional-materials/unit-5-1-ecosystems-matter-cycling/

BYU Independent Study. (2020). Secondary Mathematics 1, Part 1. https://is.byu.edu/catalog/MATH-051-T004

BYU Independent Study. (2020). Algebra 1, Part 1. https://is.byu.edu/catalog/ALG-051-301-006

PRESENTATIONS

Rigby, L. (2026, October 12). *"Finally taking a step back": Mathematics co-teachers' power negotiations and knowledge exchanges during co-planning.* [Conference presentation]. Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Provo, UT, United States.

Rigby, L., & Sanchez, M. (2026, June 25). Embracing co-teaching models for inclusive mathematics learning. [Conference presentation]. 2026 TODOS Annual Conference, Orange County, CA, United States.

Yeh, C., Harper, F., **Rigby, L.,** Sanchez, M., & Turner, T. (2026, June 25). Building trust and co-leadership: Frameworks for parent–teacher–community math partnerships. [Conference presentation]. 2026 TODOS Annual Conference, Orange County, CA, United States.

Yeh, C., **Rigby, L.**, & Ou, L. (2026, April 8). *Interrogating inclusion: A culturally sustaining UDL framework to address ableism and racism in mathematics education*. [Conference presentation].

In D. S. Pimentel & K. L. Terrell (Chairs), *Culturally sustaining pedagogies in mathematics education: Constructing a new vision for research and classroom practices*. [Symposium]. 2026 AERA Annual Meeting, Los Angeles, CA, United States.

Yeh, C., Teng, L., Ou, A., & **Rigby, L.** (2026, February 5). *Mapping consequential cartographies: Using digital storymapping to investigate spatial justice in mathematics education.* [Conference presentation]. 2026 AMTE Annual Conference, Portland, OR, United States.

Yeh, C., **Rigby, L.**, Lopez, F., & Tovar, I. (2025, April 25). *Mapping consequential geographies through spatial and temporal methods in bilingual education.* [Conference presentation]. 2025 AERA Annual Meeting, Denver, CO, United States.

Yeh, C., Johnson, A., & **Rigby, L.** (2025, March 25). *Design considerations in integrating mathematics for scientific sensemaking in elementary science.* [Symposium paper]. 2025 National Association of Research in Science Teaching Annual International Conference, Washington, D.C., United States.

Yeh, C., **Rigby, L.**, & Lopez, F. (2024, November 10). *Place matters: Mapping consequential geographies through place inquiry and spatial methods in bilingual mathematics education.* [Conference presentation]. Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Cleveland, OH, United States.

Rigby, L. (2024, November 8). *Understanding the conceptual reasoning of students with disabilities through mathematical self-corrections.* [Conference presentation]. Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Cleveland, OH, United States.

Yeh, C., Barrow, O., **Rigby, L.**, & Perez, L. (2024, September 28). *Beyond pull outs and remediation: Integrating Universal Design for Learning in mathematics* [Conference presentation]. Annual Meeting of the National Council of Teachers of Mathematics, Chicago, IL, United States.

Lopez, F., Roman, K., **Rigby, L.**, Elliot, R., & Jones, S. (2024, March 8). *Noticing and reimagining mathematics stories in community* [Conference presentation]. Teachers Development Group Leadership Seminar of Mathematics Professional Learning, Portland, OR, United States.

Rigby, L. (2022, March 5). *Variational and covariational reasoning of students with disabilities* [Research presentation]. Student Research Conference at Brigham Young University, Provo, UT, United States.

Feld, K., & **Rigby, L.** (2022, February 26). *Coding and customizing Desmos to improve student learning* [Conference presentation]. Annual Meeting of the Utah Council of Teachers of Mathematics, Salt Lake City, UT, United States.

Rigby, L., Dance, A., Feld, K., Kendall, A., & Lemon, T. (2022, February 25). *Learning together: Role plays and walkthroughs are AWESOME!* [Conference presentation]. Annual Meeting of the Utah Council of Teachers of Mathematics, Salt Lake City, UT, United States.

Rigby, L. (2021, February 27). *Variational and covariational reasoning of students with disabilities* [Research presentation]. Student Research Conference at Brigham Young University, Provo, UT, United States.

Rigby, L., Dance, A., Feld, K., Kendall, A., & Lemon, T. (2021, June 2). *Learning together: Role plays and walkthroughs are AWESOME!* [Conference presentation]. Mathematics Summer Collaboration Conference for Alpine School District, Lehi, UT, United States.

Rigby, L. (2020, February 29). *Conceptual understanding of students with disabilities* [Research presentation]. Student Research Conference at Brigham Young University, Provo, UT, United States.

Mendenhall, N., & **Rigby, L.** (2019, October 18). *Teaching students to think: The realities, struggles, and benefits of task-based teaching* [Conference presentation]. Regional Conference of the National Council of Teachers of Mathematics, Salt Lake City, UT, United States.

Rigby, L. (2019, July). *Task-Based Teaching for 8th Grade* [Conference presentation]. Mathematics Summer Collaboration Conference for Alpine School District, Lehi, UT, United States.

TEACHING EXPERIENCE

Assistant Instructor, University of Texas at Austin, Austin, TX
- EDC 370E: Elementary Math Methods #12190 **Fall 2026**
- EDC 370E: Elementary Math Methods #11535 **Spring 2025**

Graduate Teaching Assistant, University of Texas at Austin, Austin, TX
- EDC 370E: Elementary Math Methods #12040 **Spring 2026**
- EDC 370E: Elementary Math Methods #10920 **Fall 2024**

Secondary Math Teacher, American Fork Junior High, American Fork, UT **2019-2023**
- Secondary I Honors
- Secondary I Math Lab

Secondary Math Teacher, Salem Junior High, Salem, UT **2015-2019**
- Secondary I and Secondary I Honors
- Math 8 and Math 8 Honors
- Special Education Math 8 Co-taught

PROFESSIONAL SERVICE

American Education Research Association: Special Interest Group-Research in Mathematics Education (AERA SIG-RME) Graduate Student Representative **2025-2027**

Member of University of Texas at Austin's College of Education Teacher Education Graduate Student Advisory Group **2025-2027**

CREDENTIALS

Professional Teaching License, Utah **Present**

- Secondary Education, Mathematics Level 4 Endorsement

AFFILIATIONS

Member of TODOS: Mathematics for ALL **2026-Present**

Member of Association of Mathematics Teacher Educators (AMTE) **2025-Present**

Member of Council for Exceptional Children (CEC) **2025-2026**

Member of American Education Research Association: Special Interest Group-Research in Mathematics Education (AERA SIG-RME) **2024-Present**

Member of American Education Research Association: Special Interest Group-Disability Studies in Education (AERA SIG-DSE) **2024-Present**

Member of National Council of Teachers of Mathematics (NCTM) **2015-Present**