

Joshua H. Karr, PhD

he/him

School of Mathematical and Data Sciences
West Virginia University
307F Armstrong Hall
Morgantown, WV 26506
jkarr1@mail.wvu.edu

ACADEMIC BACKGROUND

Doctor of Philosophy in Educational Theory and Practice	2022
West Virginia University, Morgantown, West Virginia	
Dissertation Title: <i>Possible Paths Forward for a Practice-Based Teacher Education Centered on Justice</i>	
Chair: Dr. Matthew Campbell	
Master of Arts in Secondary Education	2013
West Virginia University, Morgantown, West Virginia	
Bachelor of Arts in Mathematics	2013
West Virginia University, Morgantown, West Virginia	

PROFESSIONAL ASSIGNMENTS AND EXPERIENCE

Teaching Assistant Professor of Mathematics	2023-present
West Virginia University, Morgantown, WV	
Service Assistant Professor of STEM Education	2018-2023
West Virginia University, Morgantown, WV	
Adjunct Instructor	2016-2019
West Virginia University, Morgantown, WV	
High School Mathematics Teacher	2013-2018
North Marion High School, Rachel, WV	
Grafton High School, Grafton, WV	

SCHOLARSHIP

Refereed Conference Proceedings

- Karr, J. H.** (2021). Using a Critical Framework to Make Teacher Resources Visible. *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.*
- Campbell, M. P., Baldinger, E. E., **Karr, J. H.**, & Freeland, S. P. (2021). Teacher Candidates' Construction of Characters in Scripts. *Proceedings of the forty-third annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.*
- Campbell, M. P., Baldinger, E. E., Freeland, S., Graif, F., & **Karr, J.** (2019). Learning to respond to errors: Evidence from scripting tasks. In S. Otten, A. G., Candela, Z. de Araujo, C. Haines, & C. Munter (Eds.). *Proceedings of the forty-first annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 1197-1202). St Louis, MO: University of Missouri.

Conference Papers

- Karr, J. H.** (2021). *Making it more complex: Centering discretionary spaces in practice-based mathematics teacher education pedagogies.* Paper at the Annual Meeting of the American Education Research Association, Virtual.

Works in Review or Preparation

- Karr, J. H.**, Bolyard, J., & Campbell, M. P. (in preparation). *Design Features for Pedagogies of Practice Oriented Toward Responding to Patterns of Injustice.*
- Karr, J. H.** (in preparation). *Peripheralizing Justice and Decontextualizing Teaching: Understanding Critique of Practice-Based Teacher Education and Imagining Possible Paths Forward.*
- Karr, J. H.** (in preparation). *Understanding What is Made Possible by Using an Expanded Framework for Teacher Learning in Practice-Based Teacher Education.*

PRESENTATIONS

National and International

- Karr, J. H.** & Ogden, L. (2024, November). *Centering Belongingness in Undergraduate Math Course Design.* Session at the Annual Meeting of the American Mathematical Association of Two-Year Colleges, Atlanta, GA.
- Karr, J. H.** & Bolyard, J. J. (2023, February). *Leveraging Scripting Tasks Centered in Discretionary Spaces to Learn to Teach for Justice.* Session at the Annual Meeting of the Association of Mathematics Teacher Educators, New Orleans, LA.
- Karr, J. H.** (2022, February). *Scripting Tasks Centered in Discretionary Spaces: Approximations at the Intersections of Practice- and Justice-Based Learning.* Session at the Annual Meeting of the Association of Mathematics Teacher Educators, Las Vegas, NV.
- Karr, J. H.** (2021, October). *Using a Critical Framework to Make Teacher Resources Visible.* Paper at the Forty-third Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Philadelphia, PA.

Campbell, M. P., Baldinger, E. E., **Karr, J. H.**, & Freeland, S. P. (2021, October). *Teacher Candidates' Construction of Characters in Scripts*. Paper at the Forty-third Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Philadelphia, PA.

Karr, J. H. (2021, June). *Moving from Societal Structures to Classroom Practices: An Investigation of "Educational Equity" within Classroom Interactions*. Session at the Annual UTeach STEM Educators Conference, Virtual.

Karr, J. (2021, June). *Designing Pedagogies of Practice for a Critical Practice-Based Teacher Education*. Poster at the Forty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Virtual and Mazatlán, Sinaloa, Mexico.

Karr, J., Baldinger, E. E., Campbell, M. P., & Freeland, S. (2021, June). *Documenting Adaptive Expertise Through the Evolving Use of an Enactment Tool*. Poster at the Forty-second Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Virtual and Mazatlán, Sinaloa, Mexico.

Karr, J., Campbell, M. P., Baldinger, E., Freeland, S., & Graif, F. (2021, February). *Experiences with and Considerations for Coached Rehearsals in Secondary Mathematics Methods Courses*. Session at the Annual Meeting of the Association of Mathematics Teacher Educators, Virtual.

Baldinger, E., Campbell, M. P., Freeland, S., & **Karr, J.** (2021, February). *Scripting Tasks as Approximations of Practice in Secondary Methods Courses*. Session at the Annual Meeting of the Association of Mathematics Teacher Educators, Virtual.

Campbell, M. P., Baldinger, E. E., Freeland, S., Graif, F., & **Karr, J.** (2019, November). *Learning to respond to errors: Evidence from scripting tasks*. Paper at the Forty-first Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, St. Louis, MO.

Regional, State, and Local

Karr, J.H. (2025, November). *Belongingness as a Principle of Course Design*. Poster presentation given at the WVU Excellence in Education: Teaching Faculty Symposium, Morgantown, WV.

Karr, J.H. & Ogden, L. (2025, March). *Creating a Motivated Math Classroom through Centering Belongingness*. Presentation given at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.

Karr, J.H. & Bolyard, J. (2024, March). *Opportunities to Learn Through Discretionary Spaces*. Presentation given at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.

Karr, J.H. (2021, April). *Making it more complex: Centering discretionary spaces in practice-based mathematics teacher education pedagogies*. Presentation given at the College of Education and Human Services Research Week.

Karr, J. (2021, April). *Using a Critical Framework to Make Teacher Resources Visible*. Poster presented at the College of Education and Human Services Research Week.

Karr, J. (2019, March). *Navigating Mathematical Reasoning and Answers that are “Wrong”*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.

Karr, J., Theys, J., & Malson, B. (2014, March). *Tangents of a First Year Teacher*. Session at the annual conference of the West Virginia Council of Teachers of Mathematics, Roanoke, WV.

Invited Presentations, Panels, and Sessions

Karr, J. (2016, April). *Moving toward action in our research as teachers*. Keynote speaker at the annual WVU 5-Year Teacher Education Program Inquiry Celebration, Morgantown, WV.

Other Appearances (Media, etc.)

Caronia, N. *Educational research with Joshua H. Karr*. GradLife 601: Research & Beyond. March 18, 2022. https://www.thedaonline.com/podcasts/gradlife_601_podcast/

UNIVERSITY TEACHING

Faculty, West Virginia University 2018-present

Undergraduate Initial Teacher Education Courses

ARSC 120: Inquiry Approaches to Teaching

UTCH 222: Classroom Interactions

UTCH 430: Apprentice Teaching

UTCH 493A: Teaching Math and Science for Social Justice

Undergraduate Mathematics Courses

MATH 122: Quantitative Skills and Reasoning

MATH 126: College Algebra

MATH 480 & 481: Capstone Design and Experience

MATH 490: Teaching Practicum

Graduate Mathematics Teaching Courses

MATH 590: Teaching Practicum for GTAs

Graduate Teaching Assistant, West Virginia University 2018

C&I 434: Teaching Mathematics in Secondary Schools

Adjunct Instructor, West Virginia University 2016-2019

EDUC 312: Practicum 2/Technology Applications

EDUC 411: Practicum 4/ Technology Applications

EDUC 600: Teacher as Researcher

EDUC 602: Professional Identity – Teacher as Leader

OTHER TEACHING/FACILITATION

High School Mathematics Teacher 2013-2018

North Marion High, Rachel, WV

Grafton High School, Grafton, WV

Student Teacher (Mathematics) 2012

Grafton High School, Grafton, WV

TEACHING CERTIFICATIONS

Mathematics 5-Adult - West Virginia Permanent

Physics 9-Adult - West Virginia Permanent

SERVICE

Professional Service

Journal Reviewer

Journal of Teacher Education

Journal of Mathematics Teacher Education

Mathematics Teacher Educator

Conference Reviewer

PME-NA Annual Meeting

AMTE Annual Meeting

Hiring Committee Member, WVU Foundational STEM Collaborative 2024

Hiring Committee Chair, WVUteach Master Teacher Search 2021

Selected Member, UTeach Conference Advisory Committee 2019

Committee Member, Annual Review Committee 2019-2023

Regional Partner, CodeWV 2019

AWARDS AND HONORS

Awardee, Teaching Faculty Symposium Impact Through Education Award 2025

Awardee, WVCTM 2024 College-Level Mathematics Teacher of the Year 2024

Nominee, WVU Honors College Outstanding Teaching Award 2023

Awardee, WVU Foundation Distinguished Doctoral Scholarship 2022

Nominee, Nicholas Evans Excellence in Advising Award 2021, 2022

Awardee, Larry D. & Lydotta McClure-Taylor Scholarship 2021

Awardee, AMTE Susan Gay Conference Travel Scholarship 2020

Awardee, William Joseph Sturgis Endowed Scholarship 2018, 2019, 2021

PROFESSIONAL AFFILIATIONS

National Council of Teachers of Mathematics (NCTM)

Association of Mathematics Teacher Educators (AMTE)

North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA)

American Educational Research Association (AERA)

Division K – Teaching and Teacher Education

West Virginia Council of Teachers of Mathematics (WVCTM)

TODOS: Mathematics for ALL

American Mathematics Association for Two-Year Colleges
(AMATYC)