

CV/RESUME
Kristin A. Whitmore
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EDUCATION

<u>Date</u>	<u>Institution</u>	<u>Degree</u>	<u>Major</u>
2025 (<i>expected</i>)	University of Colorado Denver	Ph.D.	Mathematics Education
2002	Rivier University, NH	M.Ed.	Curriculum & Instruction
1995	Plymouth State University, NH	B.S.	Elementary K-8; Math & Psychology Minors

Certifications

2023	Effective College Instruction	Association of College and University Educators (ACUE)
2017	Elementary K-5; Mathematics 6-8	TN
2006	Elementary K-6; Mathematics 4-8	AL
2004	Elementary K-6	FL
1995	Elementary K-8	NH

PROFESSIONAL EXPERIENCE

<u>Dates</u>	<u>Position</u>
2023 – Present	Alternative Licensure Instructor ASPIRE to Teach University of Colorado Denver, CO
2020 – Present	Instructor, Graduate & Undergraduate School of Education and Human Development University of Colorado Denver, CO
2015 – Present	Private Tutor , Mathematics K-8, Algebra I
2020 – 2024	Graduate Research Assistant School of Education and Human Development University of Colorado Denver, CO
2016 – 2020	Program Director of General Education for Healthcare Programs, Hybrid & Student Success Coordinator, General Education Faculty, HESI Prep Tutor Fortis Institute, Nashville TN
2018 – 2019	Mathematics Consultant Madison County School District, MS
2016 – 2018	Adjunct Faculty , College Mathematics Brightwood College, Nashville TN
2016 – 2017	Adjunct Faculty , Undergraduate Studies Argosy University, Nashville TN

2006 – 2015	Grades 4–Algebra I Advanced Mathematics Teacher, School Leadership Team, Re-Accreditation, & National Blue Ribbon Schools Lead, Math Chair, Math Team Coach, National Junior Honor Society Adviser Holy Spirit Regional School, Huntsville, AL
2004 – 2005	Grade 4 Teacher Elliott Point Elementary School, Ft. Walton Beach, FL
2003 – 2004	Grade 1 Teacher George Seitz Elementary School, U. S. Army Kwajalein Atoll, RMI
2002 – 2003	Pre-Algebra Teacher Kwajalein Jr/Sr High School, U. S. Army Kwajalein Atoll, RMI
1999 – 2002	Security Specialist KRS-Kwajalein Range Services, U. S. Army Kwajalein Atoll, RMI
1997 – 1999	Pre-Algebra Teacher Fairgrounds Middle School, Nashua, NH
1995 – 1997	Paraprofessional, Substitute Teacher Amherst Street Elementary School, Nashua, NH

RESEARCH EXPERIENCE

<u>Dates</u>	<u>Position and Project</u>
2020 – 2024	Graduate Research Assistant, ITsCRITiCAL (Implementing Techtivities to Promote Covariational Reasoning and Instructional Transformation in College Algebra) – U. S. National Science Foundation https://itscritical.cu.studio/

PEER-REVIEWED JOURNAL ARTICLES

<u>Year</u>	<u>Citation</u>
2024	Donovan, C., Johnson, H. L., Knurek, R., Whitmore, K. A. , & Bechtold, L. (2024). Validating a measure of graph selection and graph reasoning for dynamic situations. <i>The Journal of Mathematical Behavior</i> , 73, 101137. https://doi.org/10.1016/j.jmathb.2024.101137
2024	Johnson, H. L., Donovan, C., Knurek, R., Whitmore, K. A. , & Bechtold, L. (2024). Proposing and testing a model relating students' graph selection and graph reasoning for dynamic situations. <i>Educational Studies in Mathematics</i> , 115, 387–406. https://doi.org/10.1007/s10649-024-10299-4
2023	Olson, G. A., Johnson, H. L., Robinson, R., Knurek, R., & Whitmore, K. A. (2023). Anchoring inverse and injective functions with techtivities. <i>PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies</i> , 34 (2). https://doi.org/10.1080/10511970.2023.2253980

PEER-REVIEWED CONFERENCE PRESENTATIONS AND PROCEEDINGS

<u>Year</u>	<u>Citation</u>
2024	Johnson, H. L., Donovan, C., Whitmore, K. A. , & Knurek, R. (in review). <i>Attitudes matter! Student attitudes toward math and graphs mediate their graph reasoning and graph selection</i> [Paper presentation]. American Educational Research Association (AERA). Denver, CO, USA.
2024	Johnson, H. L., Donovan, C., Knurek, R., Whitmore, K. , & Bechtold, L. (2024, July 17–21). Attitudes toward mathematics and graphs influence graph reasoning and selection. In Evans, T., Marmur, O., Hunter, J., Leach, G., & Jhagroo, J. (Eds.), <i>Proceedings of the 47th Conference of the International Group for the Psychology of Mathematics Education</i> (Vol. 3, pp. 105–112). PME. New Zealand. https://www.igpme.org/wp-content/uploads/2024/06/Vol-3-PME-47-27-06-2024.pdf
2024	Knurek, R. & Whitmore, K. A. (2024, February 8–10). <i>The four corners activity: Building preservice teachers' understanding of concepts related to additive reasoning</i> [Poster presentation]. AMTE. Orlando, FL, USA.
2023	Donovan, C, Johnson, H. L., Bechtold, L, Knurek, R., & Whitmore, K. (2023, May 4–5). <i>A Rasch Analysis of a Measure of Graph Selection and Reasoning for Dynamic Situations</i> [Paper presentation]. American Educational Research Association (AERA), Virtual: Chicago, IL, USA.
2023	Donovan, C, Johnson, H. L., Bechtold, L, Knurek, R., & Whitmore, K. (2023, April 13–17). <i>Modeling a Relationship between Students' Graph Selection and Reasoning</i> [Paper presentation]. American Educational Research Association (AERA), Virtual: Chicago, IL, USA.
2023	Johnson, H. L., Donovan, C., Knurek, R., Whitmore, K. , & Bechtold, L. (2023, March 20). A link between students' graph reasoning and their attitudes toward mathematics and graphs [Symposium]. <i>ICMI Symposium on Mathematics Education and the Socio-Ecological</i> (pp. 135–138). Online. https://www.mathunion.org/fileadmin/ICMI/Conferences/Socio%20Ecological/Proceedings-ICMI-symposium-20th-march-2023.pdf
2023	Whitmore, K. A. , Knurek, R., Johnson, H. L., Bechtold, L., Olson, G., & Donovan, C. (2023, February 23–26) Implementing digital activities in college algebra: Two instructors' views of benefits and challenges. In Cook, S., Katz, B., & Moore-Russo, D. (Eds.). <i>Proceedings of the 25th Annual Conference on Research in Undergraduate Mathematics Education (RUME)</i> (pp. 1092–1097). Omaha, NE, USA. http://sigmaa.maa.org/rume/RUME25v2.pdf
2018	Whitmore, K. (2018, November 1). ABC, Easy as 123: A recipe for good behavior in the classroom. In <i>Lessons Learned: Network with experienced educators who want to help you be the best you can be!</i> [Conference session presentation]. Kappa Delta Pi (KDP) Convocation: Designing the Future, Indianapolis, IN, USA.

BOOK CONTRIBUTION

- 2014 **Mullins¹, K.** (2014). Teachers adapting tasks to closely align to CCSSM. In Y. Germain-McCarthy, *Bringing the common core math standards to life: Exemplary practices from middle schools* (pp. 140; 143–146). Routledge. <https://doi.org/10.4324/9781315819778> ¹This publication is under my former last name, Mullins.
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PROFESSIONAL ORGANIZATIONS

- Since 2023 Association of Mathematics Teacher Educators (AMTE)
 Since 2022 Mathematical Association of America (MAA)
 Since 2021 Colorado Math Leaders (CML)
 Since 2021 Colorado Council of Teachers of Mathematics (CCTM)
 Since 2021 Association for Women in Mathematics (AWM)
 Since 2021 American Mathematical Society (AMS)
 Since 2021 TODOS: Mathematics for All
 Since 2021 American Educational Research Association (AERA)
 Since 2011 Association for Supervision and Curriculum Development (ASCD)
 Since 2006 National Council of Teachers of Mathematics (NCTM)
 Since 1994 Kappa Delta Pi International Honor Society in Education (KDP)
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COURSES TAUGHT

<u>Course</u>	<u>Level</u>	<u>Format</u>	<u>Institution/Department</u>
Expanding Conceptions of Algebra: Algebraic Reasoning Underlying K-12 Common Core Standards MTED 4622/5622	Graduate/ Undergraduate	Online	University of Colorado Denver School of Education and Human Development (SEHD)
Assessment and Equity in Mathematics Instruction MTED 5301	Graduate	Online	University of Colorado Denver SEHD
A World of (different) Numbers MTED 4621/5621	Graduate/ Undergraduate	Online	University of Colorado Denver SEHD
Math for Elementary Teachers MTED 3040/5400	Graduate/ Undergraduate	In-Person, Hybrid	University of Colorado Denver SEHD
Research in Schools RSEM 5080	Graduate	Online	University of Colorado Denver SEHD
College Mathematics MAT 101	Undergraduate	In-Person	Fortis Institute, Nashville, TN
Effective Communication COM 205	Undergraduate	In-Person	Fortis Institute, Nashville, TN

English ENG 101	Undergraduate	In-Person	Fortis Institute, Nashville, TN
Psychology PSY 101	Undergraduate	In-Person	Fortis Institute, Nashville, TN
Sociology SOC 101	Undergraduate	In-Person	Fortis Institute, Nashville, TN
Microbiology BIO 205	Undergraduate	In-Person	Fortis Institute, Nashville, TN
Biology (Co-Instructor) BIO 101	Undergraduate	In-Person, Hybrid	Fortis Institute, Nashville, TN
Pre-Algebra/Introductory Algebra MM 103	Undergraduate	In-Person	Brightwood College, Nashville, TN
U.S. History HUM 101	Undergraduate	In-Person, Hybrid	Argosy University, Nashville, TN
Mathematics	Grades 4- Algebra	In-Person	Holy Spirit Regional School Huntsville, AL
Elementary, All Subjects	Grade 4	In-Person	Elliott Point Elementary School Ft. Walton Beach, FL
Elementary, All Subjects	Grade 1	In-Person	George Seitz Elementary School Kwajalein Atoll, RMI
Pre-Algebra	Grade 7	In-Person	Kwajalein Jr./Sr. High School Kwajalein Atoll, RMI
Pre-Algebra	Grade 7	In-Person	Fairgrounds Middle School Nashua, NH
