

Abraham J. Wallin

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Education:

Ph.D. in Education, College of Education, University of Idaho, 2015.
Concentration: Curriculum and Instruction, Mathematics Education
Dissertation: *Developing noticing of student thinking at the secondary level through the use of video clubs: The case of one rural Idaho school.*
Advisor: Dr. Julie Amador

M.S. in Curriculum and Instruction, College of Education, University of Idaho, 2005.
Concentration: Mathematics Education
Thesis Title: *An evaluation of the Idaho k-2 mathematics inventory as an instructional tool.*
Advisor: Dr. Tim Ewers

B.S. in Secondary Education, Department of Education, Minnesota State University – Moorhead, 2000.
Concentration: Social Studies Education: History, Economics

Teaching Experience

University Teaching

Assistant Professor and Elementary Education Coordinator at Colorado Mesa University's Center for Teacher Education, Grand Junction, CO, August 2024 – present.

- Oversaw program requirements for the Elementary Education Program
- Developed and taught undergraduate and graduate courses including mathematics methods, assessment, and general pedagogy
- Advised all Elementary Education majors
- Prepared students to successfully meet the requirements of the EdTPA examination

Assistant Professor and Director of Youth Programs at the University of Wisconsin Stevens Point's School of Education, Stevens Point, WI, August 2021 – May 2024.

- Developed and taught undergraduate courses in the Elementary Methods Block (Math Education and Educational Assessment)

- Oversees youth programming and school district outreach projects as the Director of Youth Programs
- Wrote grants to fund research and educational programs
- Developed and delivered online graduate courses for initial licensure
- Designed and taught multiple classes using the Canvas Learning Management System
- Chair the department Personnel Policy Committee
- Serve on multiple campus committees and university projects

Regional Math Specialist through the Idaho Regional Mathematics Center at **University of Idaho, Coeur d'Alene**, Coeur d'Alene, ID, August 2013 – June 2021.

- Developed and taught multiple state-approved mathematics courses for elementary teachers, secondary teachers, and administrators/instructional leaders covering content, pedagogy, standards, and assessment
- Served as state appointed mathematics education consultant to thirteen Idaho School Districts, delivering research-based professional learning covering a variety of topics
- Designed and conducted educational research in the area of K-12 mathematics for scholarly dissemination
- Created a professional learning network for rural teachers using a combinations of virtual teaching platforms and face-to-face meetings
- Supported regional instructional coaches in their work with teachers

Regional Math Specialist through the Center for School Improvement and Policy Studies at **Boise State University**, Coeur d'Alene, ID, July 2009 – June 2013.

- Taught multiple state-approved mathematics courses for elementary teachers, secondary teachers, and administrators/instructional leaders covering content, pedagogy, standards, and assessment
- Served as state appointed mathematics education consultant to thirteen Idaho School Districts, delivering research-based professional learning covering a variety of topics

Adjunct Instructor for the **University of Idaho** Mathematics Department, Moscow, ID, July 2009 – December 2016.

- Developed and delivered mathematical content to pre-service teachers enrolled in the University of Idaho's blended program for early childhood teachers

Senior Instructor and GEAR UP Coordinator for the **University of Idaho** College of Education's Curriculum and Instruction Department, Coeur d'Alene, ID, July 2007 – June 2009.

- Served to fulfill the Land Grant Mission of the University of Idaho through outreach to local school districts involved in the Federal GEAR UP program
- Instruction of core education courses both in person and online
- Developed and delivered mathematics methods course to students enrolled in elementary education program

- Served as an advisor to undergraduate students
- Delivered professional development to local teachers
- Coordinated practicum experiences for undergraduate students

Other University Experience

Graduate Assistant for the **University of Idaho** College of Education's Curriculum and Instruction Department, Moscow, ID, August 2004 – June 2007.

- Developed and delivered social studies methods courses to students enrolled in elementary education program
- Advised undergraduate education majors
- Designed and delivered professional development for teachers
- Worked as a research assistant to faculty on a number of grants
- Served as a teaching assistant for elementary and secondary mathematics methods courses
- Designed online courses for College of Education faculty
- Coordinated practicum experiences for undergraduate students
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K-12 Teaching

Education Coordinator in a contained classroom at Ellsworth Day Treatment, Ellsworth, WI. December 2003 – June 2004 (year-round school).

- Prepared and implemented relevant curriculums in all subject areas
- Developed an understanding of various mental health related disabilities while working with students in grades four through twelve
- Collaborated with students' classroom teachers during the IEP process
- Assisted school districts in developing plans to transition students from day treatment back to classroom settings

Secondary School Teacher for East Central School District in a contained classroom at St. Croix Boys' Camp School, Sandstone, MN. December 2001 – November 2003 (year-round school).

- Developed, implemented, and assessed curricula in all subject areas in grades seven through twelve
- Improved strategies for working with students from diverse backgrounds
- Gained knowledge of Special Education processes and paperwork, including IEP writing
- Served as department chair for the building's secondary mathematics committee

Adventure Counselor/Outdoors Educator in Dorm Living and Adventure Department at St. Croix Boys' Camp, Sandstone, MN. February 2001 – February 2002.

- Improved behavior management skills
- Increased understanding of Juvenile Corrections System and students from diverse backgrounds
- Learned and taught Choice Theory/ Reality Therapy (CT/RT) Techniques

- Learned and taught Anger Reduction Training (ART) Techniques
- Facilitated outdoors training and group dynamics development in camp setting

Student Teaching

British International School of Prague, Prague, Czech Republic. August – November 2000.

- Taught IB and GCSE courses in the area of History (grade 12), Economics (11 & 12), Business Studies (9 & 10), and English as a Foreign Language (7-10)
- Developed an understanding of education from an international perspective

Certifications:

Minnesota Teaching Licensure – Secondary Social Studies (expired)

Publications:

Amador, J., Wallin, A., Keehr, J., & Chilton, C. (2021). Collective noticing: teachers' experiences and reflection on a mathematics video club. *Mathematics Education Research Journal*, 1-26. <https://doi.org/10.1007/s13394-021-00403-9>

Amador, J., Keehr, J., Wallin, A., & Chilton, C. (2020). Video complexity: Describing videos used for teacher learning. *EURASIA Journal of Mathematics, Science and Technology Education*.

Gillespie, R., Amador, J., & Wallin, A. (2020). Do they know they don't know? *Mathematics Teacher: Learning & Teaching PK-12*.

Amador, J., Wallin, A., & Keehr, J. (2019). Action research through a collaborative structured teacher leader program to support mathematics instruction. *Educational Action Research*, 27:5, 691-708, DOI: 10.1080/09650792.2018.1528875

Wallin, A. & Amador, J. (2019). Supporting secondary rural teachers' development of noticing and pedagogical design capacity through video clubs. *Journal of Mathematics Teacher Education*, 22(5), 515-540.

Prummer, K., Amador, J., & Wallin, A. (2016). Persevering with prisms. *Mathematics Teaching in the Middle School*, 21(8), 427-479.

Wallin, A. & Amador, J. (2016). Research to Practice Article Teachers' lesson design: Connecting instructional approaches to noticing and curriculum use. *School Science and Mathematics* [Companion Article].

Wallin, A. & Amador, J. (2016). Overcoming rural teacher isolation and promoting change in secondary mathematics classrooms through video clubs. *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for Psychology of*

Mathematics Education. Tucson, AZ: University of Arizona.

Amador, J., Wallin, A., & Amador, P. (2015). Professional development of multi-experienced educators through a book study: Fostering mentoring relationships. *Mentoring & Tutoring: Partnership in Learning*, 1-20. doi: 10.1080/13611267.2015.1088323

Conference Presentations:

Wisconsin Mathematics Council Annual Conference – May 2024

The Routines for Reasoning; What are they and why should I care?

Association of Teacher Educators National Conference – March 2024

Heightened Awareness: How SEL Pedagogy Aids STEM Teacher Preparation

Association of Teacher Educators National Conference – March 2023

Pathfinding: Shifting Pedagogical Content Knowledge for Rural STEM Teachers

National Rural Education Association Conference – Oct. 2022

Rural renewal: Math teachers developing practice through shared classroom videos

National Rural Education Association Conference – Oct. 2022

Cultivating pathways for rural women in STEM careers

The Great Idaho STEM Together Conference – Aug. 2019

For the Love of Fractions, Come to this Session

Northwest Council for Computer Education Conference – Feb. 2018

Discovering Desmos

National Council of Supervisors of Mathematics – April 2017

Reviewing the Game Film: The power of coaching through a video club structure

Northwest Council for Computer Education Conference – March 2017

Answering the Burning Questions: Igniting Curiosity through Mathematical Modeling with Technology

North American Chapter of the International Group for Psychology of Mathematics Education – Nov. 2016

Overcoming Rural Teacher Isolation and Promoting Change in Secondary Mathematics Classrooms through Video Clubs

Learning Across All Dimensions – Idaho Super Conference – Oct. 2016

What is Mathematical Modeling and Why Should I Care?

Idaho Regional Mathematics Centers' Regional Conference on Equity and Access in the Mathematics Classroom – August 2016.

Mathematical Modeling: Building opportunities for all students

Idaho Regional Mathematics Centers' Regional Conferences – Oct. 2015, Dec. 2015, Feb. 2016.

Making Number Talks Matter – K-2

Northwest Council for Computer Education Conference – Feb. 2016

Countless Years a Math Zombie: Harnessing technology to reenergize your practice and spark students to see math differently

Idaho Summer Math Conference – July 2015.

*Assessing Student Readiness for Geometric Tasks Using van Hiele Levels, K-12;
Using Representations of Student Thinking to Teach Geometric Concepts*

Colorado Association of Middle Level Educators Conference – Oct. 2014. *Orchestrating Mathematical Thinking – Ratio*

Idaho Regional Mathematics Centers' Regional Conferences – Nov. 2014, Jan. 2015, Feb. 2015.

Noticing Teacher Noticing – K-2

Idaho Summer Math Conference – July 2014.

Orchestrating Mathematical Thinking – Ratio

Northern Rocky Mountain Educational Research Association – Oct. 2008

Toto, We're not in Kansas Anymore: Understanding Online Teaching

Northern Rocky Mountain Educational Research Association – Oct. 2007

What do the Gate Keepers See: Defining Mathematical Success

Northern Rocky Mountain Educational Research Association – Oct. 2006

More than just a Hammer – Calculators in the Classroom

Professional Development/Consulting:

- Continual professional development opportunities delivered on multiple mathematical topics to the 13 school districts of Idaho's Region I from 2009 to the present
- Multiple professional development opportunities delivered to Mesa County Valley School District in Grand Junction, CO from 2013 through 2016
- Consultant for online teaching using Desmos for secondary teachers and mathematics specialists at Mesa County Valley School District in Grand Junction, CO from spring 2020 to fall 2020

Grant Experience:

- Grant Writer and Principle Investigator for the Marshfield Area United Way 2023 Community Investment Allocation (Spring 2023).
- Grant Writing Team Member for the Wisconsin ESSER III Out of School time Grant (Fall 2022).
- Grant Writing Team Member for Tommy Thompson Faculty Research Grant (Spring 2022).

- Grant Writing Team Member and Principle Investigator for the University of Wisconsin Stevens Point University Personnel Development Committee Research & Creative Activities Grant (Spring 2022).
- Grant Writing Team Member for a Federal Rural Postsecondary and Economic Development Grant (Fall 2021).
- Instructor and Researcher for the Idaho State Department of Education's Regional Mathematics Center grant (2009-present)
- Instructor and Researcher for the Idaho State Board of Education's State Agency of Higher Education grant (2013-2017)
- Educational Consultant and Instructor for the Lake Pend Oreille Title II D Technology Grant (2008-2009 school year)
- Research Assistant on the University of Idaho's CAMP Grant Program for furthering mathematics education at the elementary level (August 2005 – August 2006)

University Committee Service:

- UWSP Youth Programs Committee – (August 2021 – present, Director since August 2023)
- UWSP School of Education Personnel Committee- (August 2021 – present, Chair since August 2023)
- UWSP School of Education Assessment Committee (August 2022 – present)
- UWSP University Personnel Development Committee – Provost's Appointee (August 2023 – present)
- UWSP School of Education Liaison to Granton School District's ESSER III Grant (March 2023 – present)
- UWSP School of Education Liaison to Pittsville School District's ESSER II Grant (May 2023 – present)
- UW System Math Education Curriculum writer for ABLE program – (January 2023 – May 2023)
- UWSP Charter School Committee (November 2021 – present)
- Course description writer to address Wisconsin Department of Instruction requirements for graduate courses in mathematics and assessment (Fall 2021)
- Invited speaker to address UWSP Mathematics Education 335 student regarding assessment topics in mathematics (Fall 2021)

Service to the Idaho State Department of Education:

- Member of Idaho Standards Review Committee (July 2020 – June 2021)
- Conference Chair for Idaho's State Mathematics and Science Teacher Conference (August 2019)
- Member of Idaho K-2 Math Screener RFP Panel (June, 2017)
- Member of Idaho Open Educational Resource Review Committee (June, 2017)

- Co-editor of the Idaho Regional Mathematics Centers' State-Wide Newsletter (2016 - 2019)
- Member of Idaho K-12 Core Standards Review Committee (December 2015)
- Member of SBAC Bias and Sensitivity Review for Idaho (December 2014)
- Member of Idaho K-8 Standards Committee (2009-2010)

Affiliations:

- Member of the Colorado Council of Teachers of Mathematics (August 2024 – present)
- Member of Wisconsin Mathematics Teacher Education Partnership Team (Spring 2022 – May 2024)
- Member of the Wisconsin Council of Teacher of Mathematics (Fall 2021 – present)
- Member of National Council of Teachers of Mathematics (2004 – present)
- Member of Nation Council of Supervisors of Mathematics (2014 – present)
- Board Member of Idaho Council of Teachers of Mathematics (2009 – 2019)
- Member American Mathematics Society (2006 – 2010)
- Executive Board Member – University of Idaho Phi Delta Kappa Chapter (November 2004 – May 2006)