

Jessica L. Hoppe

Department of Mathematics
Spokane Falls Community College
3410 Fort George Wright Drive MS 3180
Spokane, WA 99224

Home Phone: (509) 690-7219
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jessica.hoppe@sfcc.spokane.edu

Education:

- 8/18-Present Washington State University – Spokane, Washington
Doctor of Philosophy in Math and Science Education – in progress
- 9/11 - 6/13 Eastern Washington University - Cheney, Washington
Master of Science in Mathematics
Thesis: *Population Models*
- 6/09 - 8/10 Gonzaga University - Spokane, Washington
Master of Initial Teaching
Teaching Certification in Secondary Mathematics
Thesis: *Student Impact Project*
- 8/06 - 9/09 Saginaw Valley State University - University Center, Michigan
Bachelor of Science in Mathematics
Minors in Chemistry and Psychology

Relevant Teaching Experience:

- 9/13 - Present Community College Mathematics Instructor
Spokane Falls Community College Mathematics Department - Spokane, Washington
- Instruct a variety of courses including developmental math in the Math Literacy and STEM Pathways, as well as college level courses such as Calculus, Pre-calculus, Finite Math, Math in Society, and Math for Elementary Education
 - Provide academic advising
 - Contribute to various committees and initiatives
- 9/11 - 6/13 Graduate Instructor Mathematics
Eastern Washington University - Cheney, Washington
- Created, prepared and implemented daily lessons for developmental mathematics courses including Elementary and Intermediate Algebra as well as Pre-Calculus
 - Collaborated with other instructors in assessment and curriculum development
- 8/10 - 6/11 Secondary Mathematics Teacher
Panorama School - Colville, Washington
- Taught in a variety of mathematical content areas including Algebra I and II, Geometry, Applied Mathematics and Pre-Calculus
 - Modified teaching strategies creating individualize learning opportunities in order to maximize student success and stimulate student thought
 - Implemented a standards based grading system to help students gain proficiency and confidence as mathematics students
 - Taught dropout prevention course called “Why Try” in which I provided intentional support for at-risk students

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- 8/09 - 5/10 Secondary Mathematics Student Teacher
Shadle Park High School - Spokane, Washington
- Coordinated several co-teaching activities in with the master teacher, which allowed for personal growth
 - Embarked in action research aimed at determining the degree to which my professional identity, knowledge of students, instructional decisions and classroom environment/management impacted my students
 - Adapted lessons in order to maximize student achievement and positively impact the atmosphere in my classroom

Relevant Professional Experience:

- 10/19 - Present Professional Learning Community: Pre-Calculus - Facilitator
Spokane Falls Community College - Spokane, Washington
- Facilitate weekly collaborations focused on writing, piloting and reflecting on codeveloped tasks designed to help students make connections between big ideas in Precalculus.
- 09/18 - Present Improving Math Placement – Mathematics Representative SFCC
Spokane Falls Community College – Spokane, WA
- Collaborated with local high school and community college councilors and mathematics teachers to develop a high school based math placement instrument for recent high school graduates. In year one of a three-year College Spark funded grant. In year two we will pilot the instrument
- 06/18 - Present NEWESD 101 Fellows Program – Math Fellow
Spokane Falls Community College – Spokane, Washington
- Developing and Implementing an action plan to create change within community college mathematics classrooms at SFCC using productive routines
- 10/17 - Present Core Theme 1 Committee: Excellent Instruction – Mathematics Representative
Spokane Falls Community College – Spokane, Washington
- Part of a workgroup that analyzes data and makes recommendations, helping the college fulfill its mission of excellent instruction
- 10/17 - Present Institutional Teaching & Learning Improvement Coordinating Committee – Mathematics Representative
Spokane Falls Community College – Spokane, Washington
- Assist with developing and providing professional development programs used to engage college faculty innovative teaching and learning, including assessment

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10/17 - Present General Education Assessment Committee – Mathematics Representative

Spokane Falls Community College – Spokane, Washington

- Help test, assess and modify assessment tools for campus wide general education
- Assist with providing professional development for instructors recruited to participate in general education assessment within my department

11/16 - Present “Bridge to College” - Higher Education Partner

Spokane Falls Community College - Spokane, Washington

- Participated in workshops with high school teachers using the Bridge to College materials discussing pedagogy, challenges in curriculum and ideas for improving the course to better suit students’ needs
- Offered my classroom as a learning space for a studio day

8/16 - Present “Number Talks Institute” - Teacher Leader

Spokane Falls Community College Mathematics Department - Spokane, Washington

- Attended a Number Talks Institute led by Dr. Ruth Parker, CEO and co-founder of MEC and co-author of “Making Number Talks Matter”
- Facilitated Number Talks in my classroom
- In year three of a three-year grant project through MEC called “Transforming Mathematics Classrooms through Number Talks: A Leadership Academy”
- Will be facilitating Number Talks workshops in the Spokane area this year

5/17 – 6/18 “College in the High School” - Liaison

Spokane Falls Community College - Spokane, Washington

- Empowered students to take college level courses taught by high school teachers, by collaborating with and providing professional development for, high school teachers
- Mentored high school teachers teaching pre-calculus for college credit

9/14 - 6/17 “Successful Transitions to College” - Cohort Lead

Cross-Sector English and Mathematics Collaboration - Spokane, Washington

- Lead a cohort of high school, community college and university instructors emerged in classroom-based inquiry centered on creating a classroom culture that promotes self-directed learning and perseverance

6/15 - 6/17 “Project ACCCESS” - Fellow

American Mathematical Association of Two-Year Colleges - Memphis, Tennessee

- Partnered with cohort of twenty national educators in their first three years of full time community college teaching assignments attending two national AMATYC conferences as well as two local conferences, namely the joint WAMATYC and ORMATYC Conference and the Northwest Mathematics Conference in 2016

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- Presented inquiry research into perseverance in Algebra I, II and III courses at the national AMATYC conference in 2017
- Lead a poster session regarding perseverance research results
- Formed connections with several educators interested in continuing the work

4/16 - 6/16

“Faculty Inquiry Group” - Facilitator
Spokane Falls Community College - Spokane, Washington

- Co-facilitated bi-weekly faculty inquiry groups focused on high-leverage instructional practices including number talks, ten-minute talks, and other productive routines that encourage more student ownership

9/15 - 6/16

Spokane Falls Community College General Education Assessment - Participant
Spokane Falls Community College Mathematics Department - Spokane, Washington

- Participated in a full inquiry cycle including submitting a signature assignment, assessing cross-sector student work using a general rubric, analyzing the results and reflecting on the process in order to make edits for our second iteration Fall 2017

9/13 - 6/15

“Preparing a Next Generation of Mathematics Teacher Leaders for Washington State” -
Teacher Leader
*Mathematics Education Collaborative and Math Science Partnership - Ferndale,
Washington*

- Experienced as a learner what it is like to bring the Mathematical Practice Standards of the Common Core to life

Current Professional Associations:

2/19 - Present Mathematical Association of America

9/18 - Present National Council of Teachers of Mathematics

4/16 - Present Washington Association of Teachers of Teachers of Mathematics

6/15 - Present American Mathematical Association of Two-Year Colleges
*Member of the Teacher Preparation Committee and the Research in Mathematics
Education for Two-Year Colleges Committee*

05/15 - Present Washington Mathematical Association of Two-Year Colleges

Publications:

Hoppe, J., Cary, C., & Coulter, M. (2017) Creating a math classroom environment that promotes independence and perseverance. *Successful Transitions to College: A Cross-Sector English and*

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Mathematics Collaboration. Spokane, WA.

<https://inside.ewu.edu/successfultransitions/mathematics-inquiries/algebra-b/>

Presentations:

Hoppe, J. & Cripe, G. (November, 2020). *Activities in precalculus to foster mathematical understanding*. Presentation accepted for the national American Mathematical Association of Two-Year Colleges (AMATYC) Conference. Spokane, WA.

Lesseig, K, & Hoppe, J. (May, 2020). *Mathematics Studio: A lesson study approach in which teacher groups take control of their professional learning*. Presentation accepted for the international Japan-U.S. Teacher Education Consortium (JUSTEC) Conference. Spokane, WA.

Olson, D. & Hoppe, J. (April, 2017). *The MEC MSP statewide teacher leadership developmental model: Higher education implications and potential*. Presentation at the Joint Oregon and Washington Mathematical Associations of Two-Year Colleges (ORMATYC/WAMATYC) Conference. Glenden Beach, OR.

Hoppe, J. (November, 2016). *Creating a culture of perseverance*. Poster Session and Presentation at American Mathematical Association of Two-Year Colleges (AMATYC) Conference. Denver, CO.