

Washington State University – Riverpoint Advanced Mathematics Partnership (RAMP)

Project co-directors:

- Janet Frost, Ph.D.
Assistant Professor
WSU Spokane College of Education SAC 425G, PO Box 1495, Spokane, WA 99210
Telephone: 509-358-7595
Email: frost@wsu.edu
- Kris Lindeblad, M.A.
Clinical Professor
WSU Spokane College of Education SAC 425, PO Box 1495, Spokane, WA 99210
Telephone: 509-863-6125
Email: lindeblad@wsu.edu
- Jackie Coomes, Ph.D.
Associate Professor
Eastern Washington University Department of Mathematics, 204 Kingston Hall, Cheney, WA 99004
Telephone: 509-359-4232
Email: jcoomes@ewu.edu

Target audience:

- 44 teachers and 17 principals in the Spokane area and northeastern Washington.

Partners:

- 1 high-need district: Chewelah (2 teachers, 1 principal)
- 6 other districts: Central Valley (6 teachers, 2 principals); Cheney (3 teachers, 1 principal); East Valley (3 teachers, 1 principal); Mead (4 teachers, 2 principals); Spokane (17 teachers, 6 principals); West Valley (6 teachers, 3 principals)
- 1 nonprofit private school: Gonzaga Preparatory School (3 teachers, 1 principal)
- Other partners:
 - Lead partner: Washington State University College of Education
 - Eastern Washington University Department of Mathematics
 - Community Colleges of Spokane

Description:

- This project focuses on improving teachers' knowledge of the College Readiness Standards (CRS), mathematics content knowledge, pedagogical practices, and effective use of formative assessment. It emphasizes the CRS related to student attributes, teaching and learning processes, and mathematical content such as algebra, functions, geometry, probability, and statistics.
- It also focuses on improving principals' knowledge of the CRS and collaboration with their teachers.
- Professional development activities include summer institutes, 4 school-year workshops, in-school meetings, classroom coaching, and online discussions.

Project evaluation methods:

- Teachers: content and pedagogical content knowledge assessments, online dialogue transcripts, surveys, classroom observations, lesson and unit plan analysis, interviews
- Principals: surveys, teacher evaluations of principals
- Students: teacher reflections on student work on common tasks and SAT problems, scores on standardized test questions, including the General Mathematics Placement Test (MPTG) and Advanced Mathematics Placement Test (MPTA).

Significant direct collaboration or synergy with other projects or initiatives:

- This project builds on a prior HECB Title II project directed by Janet Frost by serving a continuing cohort of participants and expanding to include a new cohort. The prior project was partially funded by the State Board of Technical and Community Colleges' Transition Math Project (TMP). One year of the current grant included additional funds from Eastern Washington University's Mathematical Content Collaboration Communities (MC³) project.