

## ***University of Washington – Supporting Teacher Strategies to Prepare Students in Remote Rural Communities for College-level Mathematics***

### **Project director:**

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### **Target audience:**

- 33 teachers and 15 principals primarily in Lewis County. Of these, 6 teachers and 4 principals are from high-need districts.

### **Partners:**

- 2 high-need districts: Boistfort (1 teacher, 1 principal); Onalaska (5 teachers, 3 principals)
- 8 other districts: Adna (4 teachers, 1 principal); Chehalis (3 teachers, 2 principals); Lake Quinault (2 teachers, 1 principal); Napavine (3 teachers, 1 principal); Pe Ell (2 teachers, 1 principal); Toledo (5 teachers, 2 principals); White Pass (2 teachers, 1 principal); Winlock (3 teachers, 1 principal)
- 3 nonprofit private schools: Cedar Valley Academy (1 teacher, who is also the principal); Lewis County Adventist School (1 teacher, who is also the principal); St. Joseph Catholic School (1 teacher, 1 principal)
- Other partners:
  - Lead partner: University of Washington College of the Environment School of Forest Resources
  - University of Washington College of Education
  - University of Washington College of Arts and Sciences Department of Mathematics
  - University of Washington Bothell Education Program (through August 2010)

### **Description:**

- This project focuses on training middle and high school mathematics teachers to use group-based learning and inquiry-based problem solving to prepare students in isolated rural communities to meet the revised Mathematics K-12 Learning Standards. It familiarizes principals with new classroom practices and ways to support teachers who adopt them.
- Professional development activities include summer institutes, weekend retreats, classroom studios, observations, and coaching.

### **Project evaluation methods:**

- Teachers: content tests, surveys, classroom observations
- Principals: surveys
- Students: activity observed during classroom observations

### **Significant direct collaboration or synergy with other projects or initiatives:**

- This project builds on a series of four prior HECB Title II projects directed by Bob Lee, focusing on inquiry and group learning in a real-world natural resource context. This project cooperated with Math 2.0: Teaching Math in a Technical World to facilitate adoption of communication technologies linking teachers and principals across districts in regional professional learning communities.