

**Mid-Phase Competition Absolute Priority 3 (STEM)**

**WestEd**

**S411B220027**

**The Early Math Initiative: Tiered Support to Prepare Native American and Other High-Need Children for Elementary School Mathematics**

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Applicant Name: WestEd

Project Title: The Early Math Initiative: Tiered Support to Prepare Native American and Other High-Need Children for Elementary School Mathematics

Type of Grant Requested:  Mid-Phase

Absolute Priorities the Project Addresses:

Absolute Priority 1—Demonstrate a Rationale (Early), Moderate (Mid), Strong (Expansion)

Absolute Priority 3-- Field-Initiated Innovations—Promoting (STEM) Education

Competitive Preference Priorities the Project Addresses:

Competitive Preference Priority 1—Promoting Equity in Student Access to Educational Resources and Opportunities

Competitive Preference Priority 2-- Addressing the Impact of COVID-19 on Students, Educators, and Faculty

Total number of students to be served by the project: 1,008 (evaluation); 10,000 (intervention recipients)

Grade level(s) to be served by the project: Pre-Kindergarten and Kindergarten

Your definition of high-need students: Children from low-income families

Brief description of proposed project, including project activities: A tiered early math program, which includes a tier 1 math intervention for the general population of children, a tier 2 math intervention for children at risk for mathematical difficulties, and an early math screener, will be implemented in public preschool programs. Child math outcomes will be assessed.

Summary of project objectives and expected outcomes: Objectives are (1) to increase Pre-K trainers, teachers and tutors' capacity to implement tiered early math instruction and (2) to evaluate the efficacy of a tiered early math program. It is expected that the capacity for tiered early math instruction will be increased, teachers and tutors will implement the tier 1 and tier 2 interventions, respectively, with fidelity, and that the math knowledge of pre-K children who are at-risk and not at-risk will be increased.

Describe how the proposed project is innovative: We have developed the nation's first tiered early math program for pre-K students

Identify other studies and/practice related to the proposed project: RCTs of the tier 1 program and the tier 2 program are described in the Evidence Form

Proposed implementation sites: The study will take place in public preschool programs in the West/Southwest region, including LEA in California, the Navajo Nation (AZ, NM), and New Mexico.

List all organizations partnering with this project: University of Nevada, Reno; Format Consulting, LLC