Expansion Competition -- Absolute Priority 2 (General)
Texas A&M Research Foundation
S411A210002
Knowledge acquisition and transformation expansion (KATE)

Project Title: Knowledge acquisition and transformation expansion (KATE)

• Type of Grant Requested: Expansion Phase • Priorities: KATE addresses both absolute priorities and both invitational priorities of EIR. • Total number of students: 16,000

• Grade level(s): Grade 4 and 5 • Definition of high-need students: Students in grades 4 and 5 scoring at or below the 30th percentile on the reading pretest, underrepresented minorities, English learners, and students eligible for a free or reduced price lunch.

• Brief project description including project activities: The goal of KATE is to examine the effectiveness of ITSS + MOOV 360 with an economically and culturally diverse population of students in grades 4 and 5 from multiple geographic regions of the U.S. A large-scale cluster randomized controlled trial will be conducted with 64 elementary schools. Intervention delivery will use web-based ITSS and a strong teacher professional development with supporting curricula integration framework.

• Summary of project objectives and expected outcomes: Three objectives include, 1) Improve reading comprehension for students in grades 4 and 5 using the web-based intelligent tutoring system for the structure strategy (ITSS), available in English and Spanish; 2) Support teacher fidelity of ITSS implementation with strong practice-based professional development using webbased massive open online virtual learning and a multi-dimensional, support system (MOOV 360); and 3) Enhance best teaching practices for comprehension through the MOOV 360 platform (e.g., Teacher Library of Exemplar videos and lesson guides).

• Any special project features: Web-based tools for students (adaptive) and teacher professional development available in English and Spanish. ADA compliant.

• List all organizations partnering with this project: Texas A&M Research Foundation, WestEd, Analytica Insights Inc., and Problem Solutions.