

Mid-Phase Competition -- Absolute Priority 3 (STEM)  
ASSISTments Foundation, Inc.  
S411B210024

## **Recovering from COVID-Learning-Loss with a Platform to Support Human Tutoring**

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### **ABSTRACT**

**Title:** Recovering from COVID-Learning-Loss with a Platform to Support Human Tutoring

**Type of Grant Requested:** Mid-phase

**Absolute Priorities:** 1 and 3 Invitational Priority 1: students impacted by COVID-19

**The total number of students to be served in the project:** We will serve 5,280 students across 156 schools.

**Grade level(s) to be served by the project:** 6th, 7th, and 8th Grade

**Definition of high-need student:** This project defines a high-needs student as one from a school with 1) a high proportion of free and reduced-price lunch (over 50%) and 2) Title 1 status 3) and over 50% under represented minorities (African American or hispanic)

**Project description including project activities:** This project will increase student learning by providing tools to support a school-based virtual or in-person tutoring program with volunteer tutors. We will extend the current TutorASSIST infrastructure with added features to (1) support program administration by allowing for oversight of the tutors, including video recordings of all virtual tutoring sessions and (2) help tutors run effective tutoring sessions by providing an AI-Agent that will suggest problem for the tutor to assign, and train tutors on on simple methods that emphasizes self-directed learning in students.

### **Summary of project objectives and expected outcomes:**

- Objective 1. Iteratively improve and further develop the methods and materials to support school based volunteer tutoring
- Objective 2. Implement scalable model of volunteer tutoring in middle schools
- Objective 3. Rigorously evaluate the impact of the TutorASSIST Program
- Objective 4. Disseminate findings and Support Sustainability

**The special project features:** This project features a unique tool to support schools implementing tutoring. At this time, there is no existing program focused on connecting tutors to core curriculum and providing AI-enabled support for the tutoring session driven on the data from core instruction and previous tutoring sessions. Also the ability to record virtual tutoring sessions with school recruited tutors is unique and invaluable for supervision.

**All organizations partnering with this project:** The ASSISTments Foundation, WPI, WestEd, Friday Institute, and the schools.