

**Early-Phase Competition Absolute Priority 3 (STEM)**  
**Concord Consortium, Inc.**  
**S411C230070**  
**AI Across the Curriculum for Virtual Schools**

---

**Applicant Name:** Concord Consortium

**Project Title:** AI Across the Curriculum for Virtual Schools

**Type of Grant Requested:** (select one)  Early-Phase  Mid-Phase  Expansion

**Absolute Priorities the Project Addresses:** (select all that apply)

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

Absolute Priority 2-- Field-Initiated Innovations—General

Absolute Priority 3-- Promoting STEM Education

Absolute Priority 4-- Meeting Student Social, Emotional, and Academic Needs

Absolute Priority 5-- Educator Recruitment and Retention

**Competitive Preference Priorities the Project Addresses:** (select all that apply)

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

Competitive Preference Priority 2—Supporting a Diverse Educator Workforce and Professional Growth to Strengthen Student Learning\* (FOR EARLY-PHASE AP5 APPLICANTS ONLY)

**Total number of students to be served by the project:** 6800

**Grade level(s) to be served by the project:** Grades 9-12

**Definition of high-need students:** This project defines high-need students as female or racial/ethnic minority students underrepresented in the computing field and underserved students who are economically disadvantaged, living in remote rural areas, or in under-resourced schools.

**Brief description of project activities:** This project will develop, implement, and evaluate a year-long AI in Math supplemental certificate program for Algebra I or Integrated Math 1 class. The program will provide high-need students the opportunity to develop Artificial Intelligence (AI) literacy and self-efficacy in solving problems using AI and learning AI topics, and simultaneously improve their math learning and attitudes toward math. To broaden its access to high-need students, the AI in Math program will be implemented in two statewide public virtual schools, Florida Virtual School and Texas Tech University K-12, and reach a total of 68 teachers and 6800 students.

**Summary of project objectives and expected outcomes:** Increase the number of high-need students having access to and using AI in Math program; Increase high-need students' AI literacy and AI self-efficacy as well as math achievement and attitudes toward math; Developing teachers' competency for implementing AI in Math program.

**Summary of how the project is innovative:** The project employs the new strategy of integrating AI education into core disciplinary studies and leverages the infrastructure and resources of virtual schools to reach a large number of high-need students.

**Other studies related to the proposed project:** Studies on integrating AI education into English language arts classroom and science classrooms.

**Proposed implementation sites:** Florida Virtual Schools and Texas Tech University K-12

**Organizations partnering with this project:** Concord Consortium, University of Florida, Texas Tech