**Improving Equity in AP Computer Science Principles: Scaling Beauty and Joy of Computing**

**PROJECT ABSTRACT**

**Project title:** Improving Equity in AP Computer Science Principles: Scaling Beauty and Joy of Computing

**Type of Grant Requested:** Early Phase: STEM

**Priorities:** Absolute Priority 1—Demonstrates a Rationale, Absolute Priority 2—Field-Initiated Innovations—STEM, and Competitive Preference Priority 1 focused on expanding CS opportunities for high need students.

**Total number of students to be served:** 2,000

**Grade level(s) to be served:** Grades 9–12

**Definition of high-need students:** High-need students include girls, Black and Latinx students, and students from low-income families, each of whom are under-represented in computing.

**Brief project description including project activities:** This project will refine and study the impact of the *Improving Equity in AP CS Principles* program, a two-year computer science (CS) equity program centered on the *Beauty and Joy of Computing* (BJC). Activities will include (1) a school CS equity program (2) a teacher learning program and (3) the use of the BJC curriculum.

**Summary of project objectives and expected outcomes:** The project will increase schools’ capacity to build an Advanced Placement CS Principles (AP CSP) program and achieve these goals for high-need students: (1) increase AP CSP enrollment, (2) increase AP CSP exam taking and (3) increase AP CSP exam passing, working with 40 treatment and 40 comparison schools.

**Special project features:** The BJC curriculum is free, available online, aligned to the AP CSP framework and College Board-endorsed, and has been piloted extensively in New York City.

**Partnering Organizations:** Abt Associates (Abt), North Carolina State University (NCSU), University of California Berkeley (USB) SAP, Microsoft TEALS, the College Board.