

Mid-Phase Competition -- Absolute Priority 3 (STEM)
Four Corners Regional Education Cooperative No. 1
S411B210027

Extending Equity into the Digital Workforce

ABSTRACT:

Title: Extending Equity into the Digital Workforce

Type: Mid-phase Absolute Priorities: AP 1, Moderate Evidence; AP 3, Promoting STEM education; CPP Computer Science; Invitational Priority 2, Promoting Equity

Number of Students Served and Grade Levels: 2900 students, 9th through 12 grades

High-need students: low-income youth, first-generation college-goers, racially and ethnically diverse students, and others underrepresented in higher education and the workplace.

Description: Extending Equity, the first major re-envisioning of Early College High Schools (ECHSs) since their introduction almost 20 years ago, extends the model's commitment to equity by: (1) creating an IT career pathway to build students' digital skills for today's workforce; (2) developing the pathway as an online course, available to a potentially unlimited number of students, particularly in rural areas where districts do not have the resources or enrollment to support an onsite IT program; and (3) bringing business partners online from every industry and across the state of NM to support and mentor students.

Project objectives and outcomes: (1) increase school infrastructures to support an online IT Career Pathway in all 20 NM ECHSs; (2) increase the availability of the online pathway for 125 incoming 9th grade students annually at a minimum, and all 9th through 12th grade students who wish to enroll; (3) provide career-infused Algebra 1 and Geometry curricula as a foundation for the IT pathway, increasing student math scores by 20%; and (4) increase participation and presence of 30 businesses through videotaped presentations, mentor/mentee relationships, capstone projects, and virtual and onsite work-based learning opportunities.

Special Features: The proposed design brings greater assurance that ECHSs accomplish what they set out to do—provide equity of preparation and opportunity to bring targeted students into rich, high-demand STEM careers.

Partnering organizations: Four Corners REC #1, San Juan College, San Juan College High School, Farmington Municipal School District, NMPED, businesses, and NS4ed (evaluator).