SLAM - Theory of Change

Problem Statement: Most students enter college academically unprepared for college level math courses, unable to complete STEM majors. The college math readiness and completion rates are significantly lower among minority, low-income students.

Goal: The goal of SLAM is to provide equitable access to rigorous college-level math courses, while creating K-16 systemic alignments at the local level.

Research Base & Assumptions	Inputs/Resources	Activities	Outputs	Outcomes
More underrepresented students would complete STEM majors if they are academically prepared.	Intellectual Property: • SLAM Curricula • HE Courses • Research Instruments	Provide PD on shared definition of college readiness and curricular alignment.	Professional Development Attendance for: • Counselors • Administrators • Teachers • School Staff	**Long-Term Outcomes** Increase STEM college completion rates for underrepresented (Black, Hispanic, low-income) students.
Practitioners In K-12 and higher ed are Interested In shared accountability for college success.	Human Resources: • Internal Experts • External Partners • Program Alumni	Facilitate the development and implementation of dual-enrollment as intervention for underrepresented students.	Student participation in college-level math courses and College Transition Plan (CTP).	
Theoretical Framework: • College Readiness through an Equity Framework • Academic Disjuncture	Funding: • Philanthropic Grants • Public Donations • Program Services Fees	Develop and maintain intersegmental partnerships to address educational inequities.		**Short-Term Outcomes**
Student Outcome Data: • College Readiness, Retention and Completion • STEM graduates • State Standardized Tests • Math Course Pass Rates	In-kind Contributions: • Facilities • Instructor Salaries • Tuition	Conduct ongoing program evaluation and publish outcomes.	Research Reports: • Programmatic Reports • Partner Site Reports	At least 70% of SLAM students earn credit in college-level math courses.
	Professional Organizations: NACEP	Provide forums and conferences to share knowledge, research findings, and best practices.	Revised/New Intellectual Property: • SLAM Curricula • Research Instruments	Increase College & Career Readiness Rates for underrepresented students.