LOGIC MODEL:
Applying College and Career Equity-based STEM Strategies (ACCESS)

Resources/ Inputs
- Professional Development on R.E.A.L.
- Coaching RTC
- Formative Assessment MDTP
- Content standards and practices
- Higher education/ P-12 partnerships

Key Components
- Program Activities
  - Conduct summer institutes [3 days] per year for 2 years
  - Provide follow up training [2 days per day per year, fall and spring]
  - Provide RTC trained facilitators
  - Provide REAL Toolkit

- Teacher Participation Offered
  - Teachers
    - Participate in 3-day Summer Institute professional development each year for 2 years
    - Participate in follow up professional development 2 days per year for 2 years
  - Improved student performance on MDTP assessment

Teacher – Student Level Outcomes
- Teacher Practice/ Student Use
  - Teacher beliefs, attitudes, and mindset demonstrate high expectations for all students
  - Teacher content knowledge deepens

Facilitated Collaboration
- Trained facilitators to support teachers’ use of RTC. Provide coaching minimum of twice month for 20 hours per year

Improved Student Practices
- Students engaged in CCSSM Standards for Mathematical Practice
- Teachers receive facilitated RTC [twice a month and minimum 20 hours]

Mediators
- Teacher beliefs, attitudes, and mindset demonstrate high expectations for all students
- Teacher content knowledge deepens
- Teachers demonstrate use of lessons, activities, assessments that are aligned to R.E.A.L.

Students are prepared for post secondary options (measurement)
Students benefit through increased engagement in learning process

Improved student performance on MDTP assessment
Improved student performance on CCSSM assessments
Teachers’ growth in content knowledge as evidenced by increase between pre- and post-test scores on LMT