

Collaborative Research: Investigating the Most Impactful Culturally-responsive Informal Pedagogical Practices for STEM Afterschool Programs Engaging Marginalized Youth | 2215695

Community Partners: SAUSD (Carr, Lathrop & Villa Middle Schools) <https://www.sausd.us>

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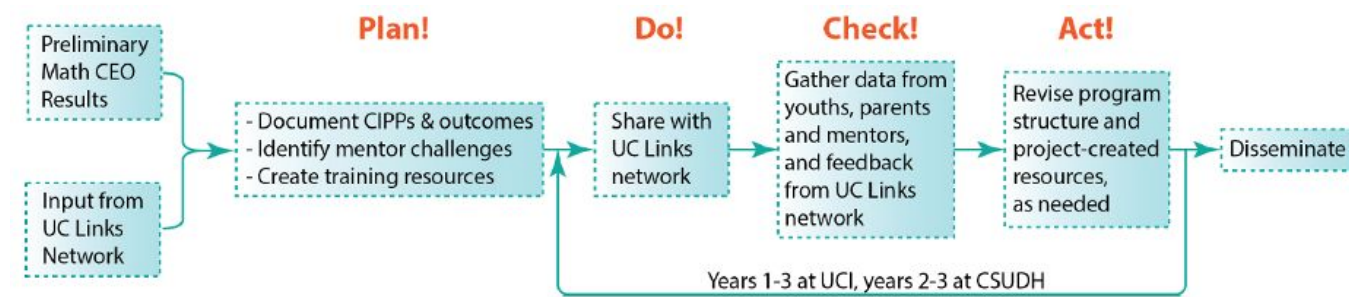
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Project Description

To identify culturally-responsive practices in an enriching afterschool program and to use this information for continuous program improvement.

Key Achievements

- We developed a survey measure of culturally responsive practices for youth and mentors based on a critical literature review, several rounds of feedback, quantitative data from 83 youth and 41 mentors, and qualitative data from 27 youth and 17 mentors.
- We modified pedagogical practices, curriculum & mentor training resources in the UCI Math CEO afterschool program to increase its cultural responsiveness



Audience & Settings

Audience: Youth (grade 6-8) & college students

| | Latinx | First gen. in college | Female |
|----------------|--------|-----------------------|--------|
| Youth | 80% | 78% | 56% |
| Undergraduates | 41% | 54% | 78% |

Disciplinary area: Informal Mathematics Education and Developmental Psychology

Learning environment: Afterschool program located at the UC Irvine

Access and Inclusion Developing culturally-responsive informal pedagogical practices can lead to enhance program quality and impact for afterschool program supporting marginalized youth.



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