

Collaborative Research: Investigating the Most Impactful Culturally-responsive Informal Pedagogical Practices for STEM Afterschool Programs Engaging Marginalized Youth | 2215696.

Community Partners: Dr. Darius Frelix (Robert E. Peary Middle), dx0563@lausd.net
PIs: Cynthia H. Sanchez Tapia (CSUDH), cysanchez@csudh.edu
Collaborators: Ha Nguyen (CSUDH), hnnnguyen@csudh.edu

Project Description

This project aims to identify and investigate how culturally responsive practices in afterschool programs promotes math skills and motivation for youth from minoritized groups.

Key Achievements

- Open a new Math CEO site at CSUDH (Math CEO is an afterschool program for marginalized youth that started at UCI).
- Give access to undergraduates (future teachers), mostly minorities, of having teaching/mentoring practices on campus.
- Developing teaching material for youth that integrates social justice. We also incorporated coaching strategies for online training sessions for mentors with the aim to increase their Math and teaching strengths.

Audience & Settings

Audience: Youth (grade 6-8) and college students.

	Hispanic/Latino		Black/African American	
	Undergraduates	Youth	Undergraduates	Youth
Male	12.73%	16.36%	0.00%	3.64%
Female	7.27%	25.45%	1.82%	5.45%
Non-binary	0.00%	1.82%	0.00%	0.00%
First College Generation	78.57%	NA	7.14%	NA

Disciplinary area: Informal Mathematics Education.

Learning environment: Afterschool program located at the CSUDH campus.

Access and Inclusion

Giving access to marginalized youth (as students) and young adults (as mentors) to an afterschool program that integrates culturally-responsive informal pedagogical practices and social justice teaching material.



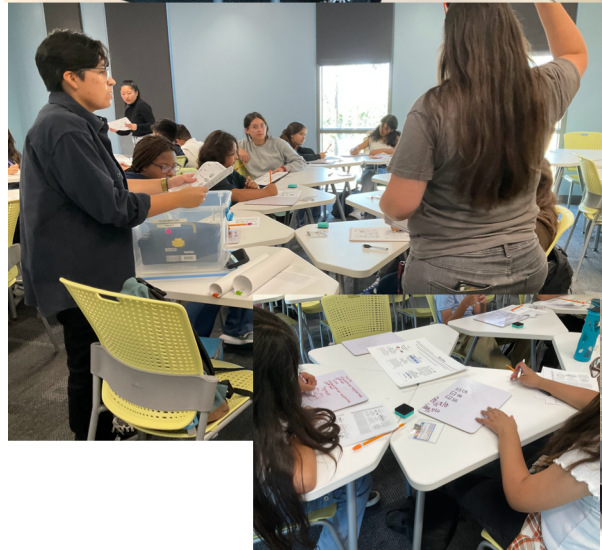
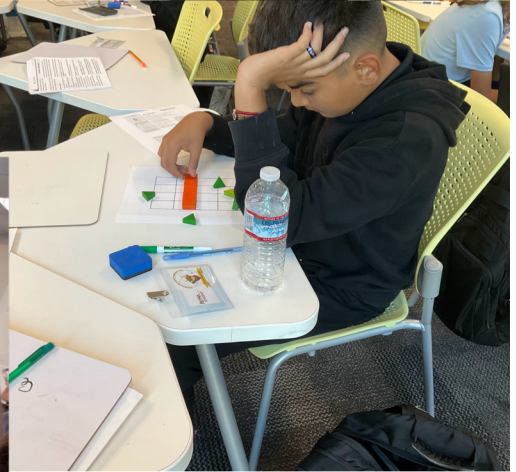
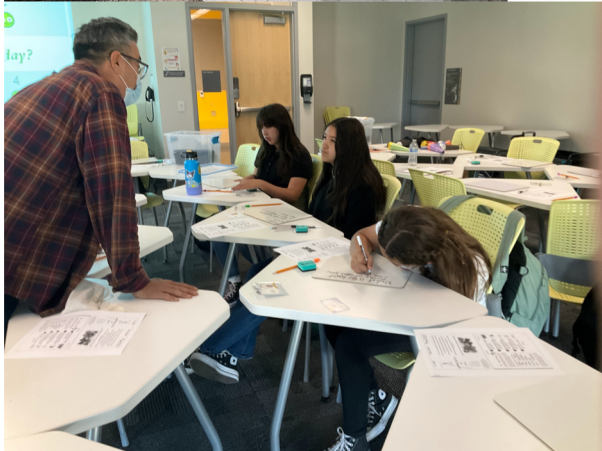
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I loved math CEO because my mentor was very nice and helpful. The snacks were good and this program was very fun. The activities were challenging but fun.

- Jorge Guerrero



Dear Math Leo,
 Thank you for choosing me out of the people who signed up. This is much help and a fun games and food/snack especially the snacks. If I had to recommend it to a friend or a person who wanted to go I would say it is a great learning experience I didn't learn much but I did learn new things and methods. And I have met new friends and have made some new memories also new favorite restaurants.

From:
 Brooklyn Smith
 To: Math Leo



Obtaining the DNA of strawberries with Dr. Sonal Singhal.