

# Oakland Environmental Resilience - A Youth Project

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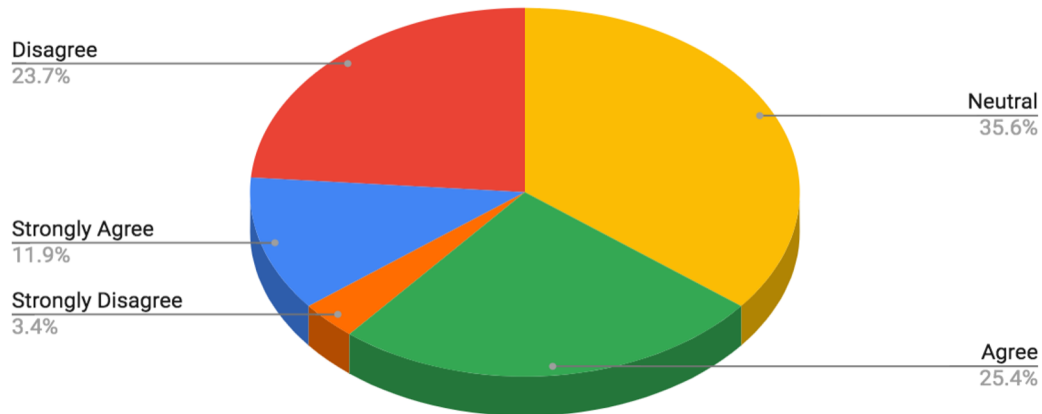
## Backstory:

Three OUSD students of color from East Oakland noticed young people of their community are underrepresented in STEM careers. We realize information on environmental issues does not often reach the majority of Oakland students and much less to those who will be deeply affected by climate change. Like any other issue impacting a city, community members need to be a part of the conversation.

# Our Goal

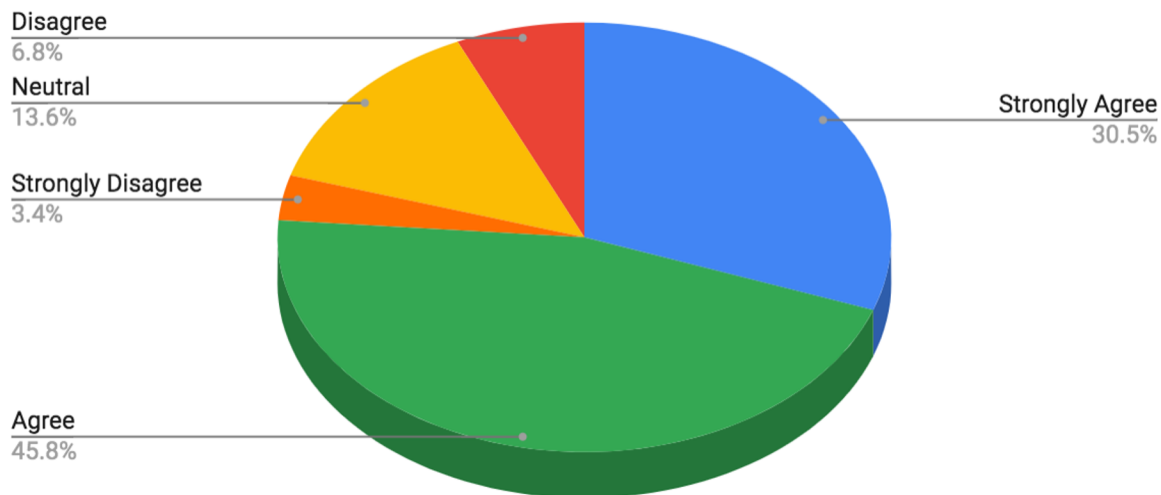
Create a youth program dedicated to teaching underrepresented students in STEM careers how to advocate for themselves and their environment.

- Would be aimed at students in Oakland Unified School District
- They would participate in field days with the purpose of shoreline restoration
- Attend lectures of varying topics (STEM, professional development, activism)
- Students would have the opportunity to network with professionals



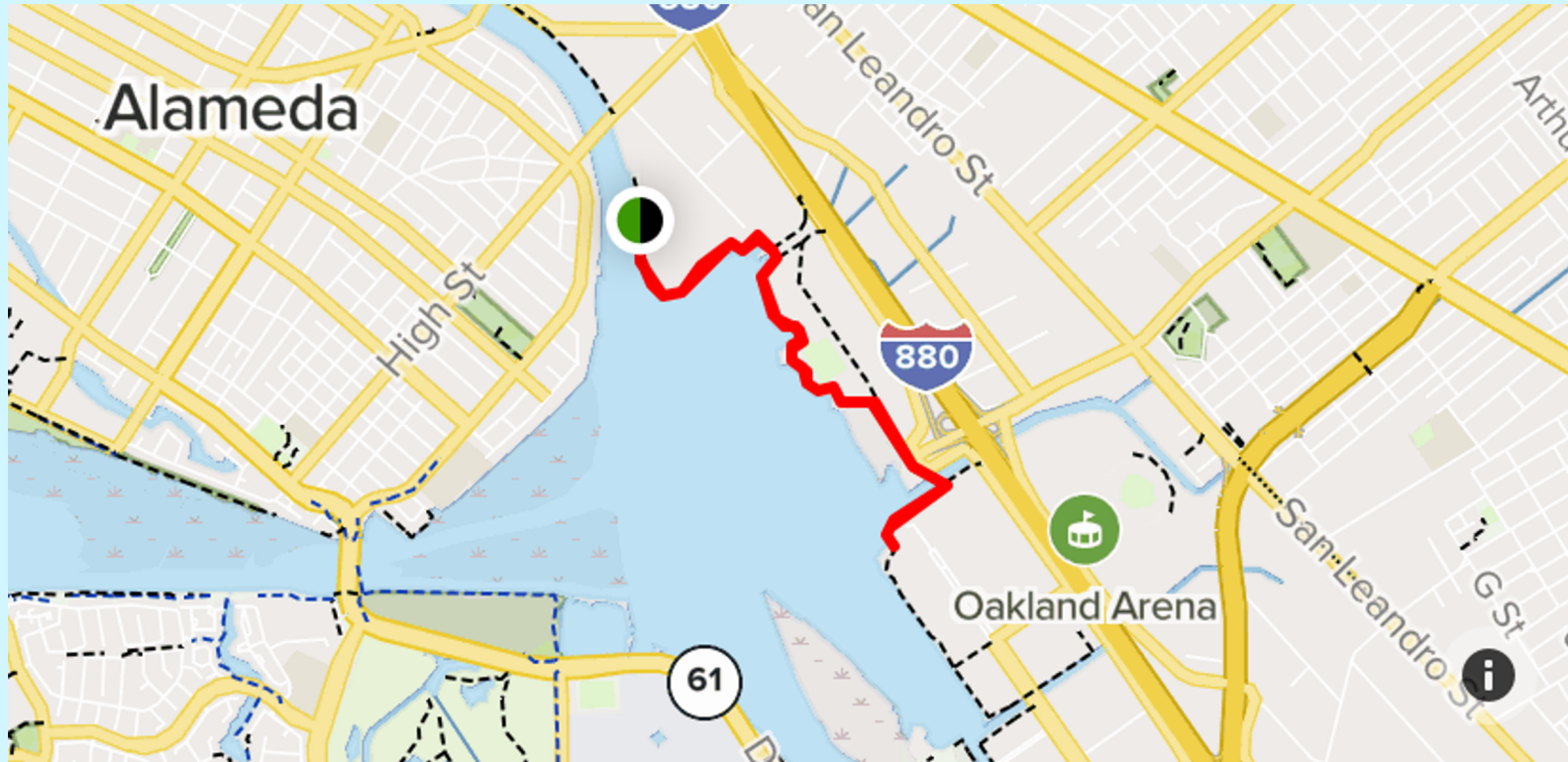
“ I know where to find opportunities in STEM”

“ I know what climate justice is”





# Our Site: MLK Jr Shoreline



+ Why we chose this site



Event Hosted by Golden Gate Audubon

Students will participate in shoreline litter clean up, invasive plant removal and native species planting on their weekly field days



During the shoreline litter clean up students would keep track of the trash through the **Marine Debris Tracker** App.



The app was designed by the **National Geographic Society** as a way to encourage citizen scientists.

Students will learn what it means to be a citizen scientists and why they are vital to their community.



MLK Jr Shoreline clean up days are already hosted by EBRPD but there needs to be constant maintenance at the shoreline

MLK Jr Shorelines Damon Slough is one of the top five most littered areas in the Bay Area.

EBRPD Day of Service



# Shoreline Center

Potential site for hosting lecture or guest speaker days



Features:

- Commercial Kitchen
- Main Room
- Large Outdoor deck
- Audio Visual System
- Wi-Fi



Inside of the Shoreline Center being used as a wedding venue

## Potential lecture topics

- The difference between a  $1.5^{\circ}\text{C}$  increase and a  $2^{\circ}\text{C}$  increase
- Redlining in the Bay Area and Environmental Racism
- Ways to be an advocate at their high schools
- Understanding Living Shorelines



# Budget

- Grant opportunities:
- Youth Community Access Grant
- Measure AA
- Community/School Funds:
- Youth Participants can lead fundraisers for the shoreline & program

no.	tasks	units	cost per unit	hours	cost per hour	total cost
1	Instructors	2	\$16,200	540	30	\$32,400.00
2	Students	15-20	\$7,200 - \$9,600	216	20	\$64,800 - \$86,400
3	Transportation	15-20	\$20	-	-	\$32,400.00
4	Food	40	\$250	-	-	\$10,000.00
5	Rentals	1	\$370	540	60	\$40,000.00
6	Supplies	15-20	\$800	-	-	\$12,000 - \$16,000
Total task						\$192,000 - \$235,000

## Schedule

- Apply for Youth Access Grant during spring of 2023
- Once we get approval to the grant, we can begin preparations for the program
- We will also begin precise planning & scheduling for program
- Implementing program!



# Project Targets:

Through our program students will...

- Learn about environmental racism
- Earn an hourly wage of \$20
- Will participate in community work
- Work to restore the MLK Jr Shoreline
- Network with professionals in STEM and climate justice
- Build confidence in their leadership and advocate skills
- Keep up with current events related to climate change

# How Do We Reach Our Program Targets?

- Hold at least 20 lectures throughout the year
- Students will have collected at least 40 pounds of trash
- Students will have removed at least 60 pounds of invasive plants
- Students will have had at least 8 planting field days
- Students will meet at least 15 guest speakers
- At the end of the year students will create a small project on something they have learned through the program
  - ◆ It will be presented in a medium of their choice

## Contact Information

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