

# MISSION SCIENCE WORKSHOP

## 2022-23 IMPACT REPORT



**12,000**

Individual  
students  
reached  
multiple times!

**60**

Elementary,  
Middle and  
High School  
Partners

**950**

Field Trips and  
After School  
Programs

**3** Community Science Workshops located in the  
Mission, Excelsior and Bayview Neighborhoods  
serving 9 SF Districts, East Oakland and SSF.

**50**

Open and Free  
Community  
Days

**10**

Paid high  
school interns

**115**

mobile programs  
served at school  
and community  
sites all across the  
Bay Area

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## School Day Field Trips

This school year we offered 850 field trips to our partner schools, seeing 12,000 students from 60 elementary, middle and high schools. We intentionally prioritize our reach to Title-1 schools where over 50% of the students qualify for free or reduced lunch programs; and most of our school day field trips are free or heavily subsidized by grants. Our field trip programs are 90 minutes long, and consist of a 60-minute hands-on, curriculum based guided lesson of the teacher's choosing that aligns with classroom learning and grade level state science standards; and 30-minutes of free, unstructured exploration time where students get the opportunity to explore our many exhibits, projects, and live animals, based on their own curiosity and choice-based learning.



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## After School Programs

This school year we partnered with 18 community organizations, including YMCA, Boys & Girls Clubs, Mission Graduates, Mission Girls, Jamestown, Tenderloin Community Center, and more -- to offer over 100 exciting after school programs across 9 different SF districts. Students built robots, motorized boats or wooden toys from scratch, and learned wood shop, soldering, circuitry and other skills, while exploring our geology collections, exhibits and animals.



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## Open Community Days

We host weekly free open drop-in days at our Excelsior and Mission Workshops every Tuesday and Thursday afternoon, as well as three open community Saturdays per month at all three of our workshops -- so our communities can visit for free to build, explore and tinker together. We often see our school-day and after school students bring their families and friends to share our exciting hands-on projects and exhibits, and they are always free to use our materials and resources. We typically see each student several times per year at our drop-in programs.



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## We Opened the Bayview Science Workshop!



One of our biggest goals was achieved this year when in January 2023 we were able to open our third community science workshop in the heart of the Bayview District inside Dr Charles Drew College Preparatory Academy. We have already seen over 1500 students in this site and are very excited about partnering with even more schools and organizations in this district for fun and meaningful science.



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## Youth Workforce Development Program

This year, we had 10 fantastic paid interns from local high schools across our three workshops. They worked as teaching assistants, exhibit developers, artists in residence and youth mentors. Many of our HS interns were our students before in their youth. We are looking forward to continuing to expand our Workforce Development Program next year.



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## Giant Walk-Through Blood Vessel

This year we designed and built an amazing school-bus sized artery model, our newest traveling exhibit from our Excelsior Science Workshop. The Giant Walk-Through Blood Vessel gives participants the opportunity to walk inside an awe-inspiring giant-sized blood vessel, complete with cells, platelets, the sound of their heartbeat, and more. Students learn about their circulatory system, anatomy and health while also engaging in hands-on activities like our blood cell scavenger hunt, gas exchange game, losing and finding their veins under blue light, listening to their own heartbeats, and looking at red blood cells and blood vessels under the microscope.



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## Whale on Wheels

We brought our real Gray Whale skeleton to four different schools this 22-23 SY: George Washington Carver, ER Taylor, Buena Vista Horace Mann and Leola Havard. Over 1500 students learned about comparative anatomy, marine biology and ocean conservation by putting all of our whale's bones together like a giant puzzle.





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## Offsite Programs

We bring our mobile programs to schools and communities that have a hard time reaching our community science workshop sites. This school year we visited school sites to reach almost 2500 students with fun hands-on science experiences -- mostly in southeast San Francisco title-I schools.



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## Other Partnerships and Programs

- Redwood Rides
- Excelsior Bike Repair Workshop
- SFUSD ACCESS Programs
- Girls in Science
- SFUSD Library Pilot Program



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## Looking ahead: SY 23-24

- We will offer more free programs than ever before to title-I schools in San Francisco, South San Francisco and Oakland.
- We will expand our climate change awareness and environmental education Programs.
- We will expand our library partnership to link hands-on science and literacy.
- We will continue offering free offsite programs to southeast San Francisco schools and communities.
- We will expand our Girls in Science Program to the Bayview Workshop.
- We look forward to partnering with even more organizations next school year!