

CHABOT SPACE & SCIENCE CENTER

2020 ANNUAL REPORT

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PICTURED RIGHT

Interns from the Community Engagement team designed, packaged, and distributed 400 bilingual Summer Science Kits that were distributed to kids in the Oakland community through the Oakland Public Library and Boys & Girls Clubs of Oakland.



"2020 was a year of reflection as Chabot celebrated its 20th anniversary at the Skyline campus location. It was so wonderful to see all the beautiful memories shared by our members, supporters, and community. The generations of impact were visible throughout our virtual celebrations. While reflecting on our long history in Oakland, 2020 also gave us the opportunity to reenvision what our next chapter could look like."

JESSICA HOROWITZ

DIRECTOR OF INSTITUTIONAL ADVANCEMENT



PICTURED RIGHT

Visitors on the Observation Deck look through filters to view the transit of Mercury.

From Our Leadership

As museums across the country faced incredible challenges during the COVID-19 pandemic, Chabot Space & Science Center found an opportunity to make an immediate impact while planning advance our mission with new programs. Your support has made it possible for Chabot Space & Science Center to reopen as a more impactful institution. We celebrate 20 years on the Skyline campus with you, our community, by preparing to open our doors in 2021 with stronger offerings, partnerships and even a stronger structure itself.

Thanks to your support, we were able to meet the evolving needs of our community even while closed by creating innovative new offerings and build upon our existing programs. We created more than 70 virtual programs and activities engaged teachers and families during this time of distance learning, which were viewed 500,000+times. As an innovative continuation of Chabot's 'Learning Everywhere' initiative, teen volunteers from Chabot's Galaxy Explorers program created and distributed hundreds of bilingual Summer STEM Kits throughout Oakland.

We recognized the opportunity to meaningly transform Chabot Space & Science Center inside and out. We began a landmark partnership with NASA's Ames Research Center to offer NASA learning and career opportunities in the East Bay. We developed a framework that brings the best of NASA's content to Oakland youth through museum experience, community engagement and youth development programs. As we make an immediate impact, our team been planning an extensive redesign of the Center to reopen with a re-envisioned, welcoming, immersive environment with new NASA exhibitions, programs and events.

In a collaborative move to improve our internal structure, Chabot will reopen with one, streamlined governance to create a more efficient team. Chabot's Joint Power Authority Board will be dissolved to make room for deeper partnership and collaboration. This decision creates exciting opportunities in philanthropy and leadership at Chabot, assuring stability and viability for Oakland's home for science.

Recognizing the need for systemic change in our community, we reaffirm our commitment to building an equitable and inclusive world together through the power of education. This year, we established Chabot's Diversity, Equity and Inclusion working group to conduct a thoughtful review of Chabot's current structures and create

an actionable DEI framework for Chabot going forward. We will create a pathway rooted in action to guide us as we strive to realize our vision of a world in which science education is truly accessible for all.

During this milestone year, we have found an opportunity to refocus and re-envision as an institution. With significant projects on the horizon, and with the support of our community, Chabot will reopen as a more impactful home for science in Oakland. While we face the impact of our extended closure, we are especially grateful to our community of science supporters. Thank you again to our members, volunteers, corporate partners and families who make it possible for us to emerge from this crisis stronger.

Adam Tobin

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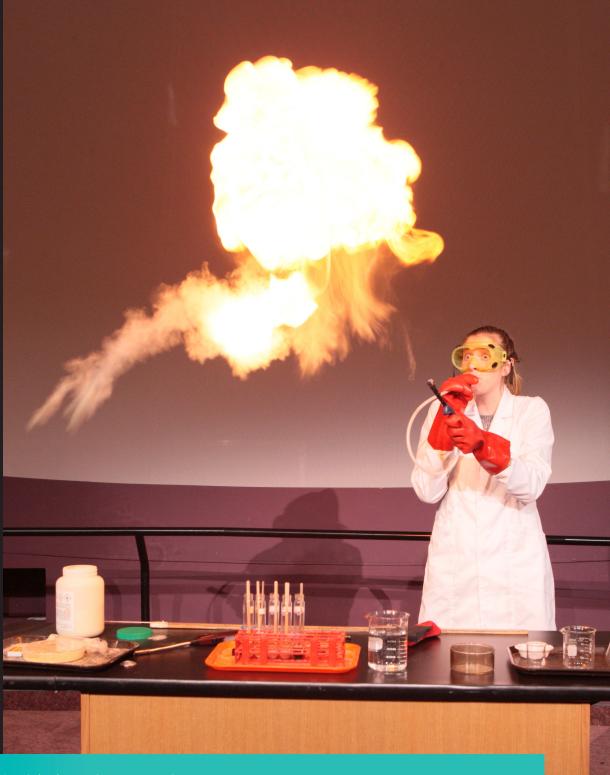
"This year, Chabot's team was able to quickly pivot to provide educational programs for schools, teachers, students and families. In the summer of 2020, Chabot developed engaging, interactive online programs to keep kids and families engaged as they sheltered in place. Now, thousands of students are staying engaged in science using our virtual learning resources. Continuing to serve the community with rich science content and helping bridge the education gap has kept us mission-driven as an educational institution."

LIZ AUSTERMAN

DIRECTOR OF VISITOR EXPERIENCE



Educator Haley Thiltgen leads an explosive STEM experiment using lycopodium powder.



Fiscal Year 2020 in Review

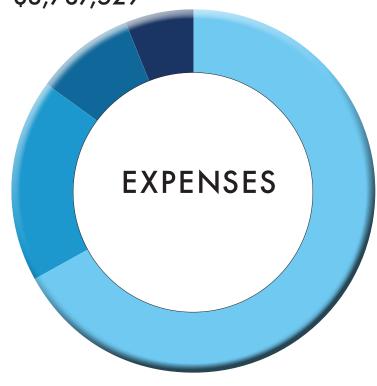
October 1st, 2019-September 30th, 2020

Combined Total Revenue: \$4,661,222



- 54% Contributions / Grants
- 19% Government
- 9% Admission
- 9% Rental Events
- 5% Education Programs
- 4% Memberships





- 67% Programs & Education
- 18% Operations & Facility
- 9% Fundraising
- 6% Administration

2020 HIGHLIGHTS



20TH ANNIVERSARY



APOLLO 13 ANNIVERSARY



PLANETARIUM



GALA

PROGRAMS _



VIRTUAL TELESCOPE VIEWINGS



PARTNERED TALKS



BALLOON DROP



LAUNCHES

EDUCATION-



LEARNING LAUNCHPAD



LIVE SCIENCE



YOUTH DEVELOPMENT



STEM KITS

ASTRONOMICAL EVENTS



TRANSIT OF MERCURY



METEOR SHOWERS



NEOWISE



RISE IN STARGAZING



20th ANNIVERSARY

In 2020, Chabot Space & Science Center celebrated its 20th anniversary on the Skyline campus. Together, we looked back the latest chapter in a 137-year legacy of inspiring and educating learners of all ages. As we reflected on this incredible era of growth and transformation with our community, we looked forward to our bright future.

APOLLO 13 50th ANNIVERSARY

50 years after the Apollo 13 Mission, we remembered Chabot Observatory's critical role in the mission with a special anniversary program that was viewed more than 2,500 times. Board member and Astronomer Gerald McKeegan shared the full story of how Chabot provided critical tracking information for successful reentry of the Apollo 13 spacecraft on April 17, 1970. We shared a first-hand account of that historic moment from David Rodrigues, one of the students at the Observatory that day who helped track the Apollo 13 Capsule.

PLANETARIUM CAMPAIGN

Thanks to the overwhelming support of our community, Chabot's Planetarium received a major technological upgrade. We reached our goal of raising \$89,000 to evolve the immersive viewing experience for learners of all ages. It will be more reliable and will create an optimized visual learning environment for all visitors. This key update enables Chabot to harness the power of visual storytelling to engage, inspire, and educate those who walk through our doors. Thank you to all our community supporters, along with the Fremont Bank Foundation, who contributed to this campaign.

GALA

In October 2019, we hosted our annual Starlight Gala: Elemental. Our generous supporters sparked a renewed commitment to science education within our community. Together, we raised more than \$275,000. We also had the privilege of honoring Dr. Eugene Tu, NASA Ames Director, and astronaut Dr. Yvonne Darlene Cagle, as our 2019 Champion of Science awardees.



VIRTUAL TELESCOPE VIEWINGS

In 2020, Chabot Space & Science Center offered over 60 free, weekly, virtual STEM programs for our community. These include live telescope viewings, science demonstrations and engaging talks with community partners. Between March-September 2020, Chabot's virtual STEM content was viewed more 200,000 times, serving as a vital resource for families in the Bay Area and beyond.

PARTNERED TALKS

Virtual programs have brought together extraordinary partners across the Bay Area. These programs have served as a platform for local organizations to present and discuss their vital research. Partners include East Bay Regional Park District, Microphone Mechanics, SETI Institute, NASA, East Bay Regional Park District, Lawrence Livermore Lab and more.

BALLOON DROP

Continuing our longtime tradition, we rang in the New Year together with Balloon Drop. We rang in 2020 with thousands of balloons raining down from above.

LAUNCHES

Hundreds tuned in to Chabot's virtual launch watch party events, witnessing the NASA SpaceX Crew Dragon launch and the launch of the 2020 Mars Perseverance Rover. The public shared 678 comments during the launch, asking questions and sharing their observations. Chabot astronomers interacted with the community, offering their insights and expertise as history was made on the launchpad.



LEARNING LAUNCHPAD

The education team at Chabot Space & Science Center has created the Learning Launchpad, a virtual resource center with accessible science activities that can be done from home. This resource was viewed more than 7,000 times. Activities include astronaut training, design challenges and even demonstrations of the orange skies phenomenon observed in the Bay Area in September 2020.

LIVE SCIENCE

Classes across the country tuned in to watch Chabot's Live Science! series. Students received a weekly live science demonstration from a Chabot educator with fully interactive observations and questions. This was a vital resource at time when teachers were struggling to make virtual science learning fun and engaging.

YOUTH DEVELOPMENT

Chabot's Galaxy Explorers program supported teens during the COVID-19 crisis, providing vital social connection and career development during this time of distance learning. Chabot's Galaxy Explorers teen volunteer program has had a 98% retention rate in 2020, with no days of programming lost due to the pandemic. The program has offered 24 virtual enrichment workshops that connect students to STEM professionals. The 176 participants have continued to work collaboratively on projects around astronomy, environmental science and engineering.

STEM KITS

As part of Chabot's Learning Everywhere initiative, 400 bilingual STEM Kits were distributed throughout Oakland to help bridge the digital divide. This first pilot round of kits was part of a continuing effort among the Galaxy Explorers teen volunteers, who tested, designed and distributed the STEM kits. Working in partnership with Oakland Public Libraries and Boys & Girls Clubs of Oakland, we provided students the opportunity to continue their learning during summer break through fun, hands on science activities at home.



TRANSIT OF MERCURY

In November 2019, thousands gathered on the Observation Deck to witness the Transit of Mercury. Our community viewed this exciting astronomical event through Chabot's historic telescopes, solar viewers and smaller telescopes. The next time this rare transit will be visible from the United States will be 2049!

METEOR SHOWERS

The community enjoyed special viewing parties and virtual guides to enjoy meteor showers. In December of 2019, hundreds enjoyed the Geminids meteor shower from Chabot's Observation Deck. Throughout the pandemic, virtual guides made by Chabot astronomers made it easy and accessible for the community to watch the dazzling show.

NEOWISE

More than 8,000 people tuned in to spot the NEOWISE Comet through Chabot's telescopes. The last comet that was viewable to the naked eye, Hale-Bopp, was visible in 1997. In this special Virtual Telescope Viewing, astronomers answered questions and gave our community comet-spotting tips.

RISE IN STARGAZING

Stargazing became a popular hobby during the pandemic as a safe and fun way to explore outside the home. Chabot's series, The Sky This Month helped new astronomy enthusiasts get started with stargazing. Astronomers helped our community spot constellations, planets and more as the skies changed each month.

"At the start of 2020, we were excitedly planning for workshops and largescale events with our community partners. When the Shelter-In-Place Order was enacted in March, we had the opportunity re-imagine what our Learning Everywhere initiative looked like. We worked fast to create 400 bilingual English-Spanish STEM Kits featuring fun, hands-on science activities for children ages 6-12, distributed through the Oakland Public Library and the Boys & Girls Clubs of Oakland. I am incredibly proud of our Galaxy Explorers from OUSD's Skyline High School and other schools throughout the Bay Area for designing, testing, and packaging these kits and creating corresponding video tutorials. To complete this project, they worked together to overcome tremendous obstacles and found new and creative ways to bring science learning to kids in their community."

Natalie Mann

COMMUNITY PROGRAMS MANAGER

PICTURED RIGHT

A Galaxy Explorer from Skyline High School holds up a Summer Science Kit in Chabot's courtyard in July 2020.



Chabot Space & Science Center Thanks Our Community of Supporters

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