

HIGH TECH FAIR



JANUARY 17

The High Tech Fair is an event for students in grades 7-12 to learn about the opportunities available to them as they pursue a career within a scientific field. The science that students learn in the classroom is complemented with real-life applications through interactive experiences provided by participating local STEM-related industries. These businesses are ready to inspire a new generation of scientists and engineers. Over 30 booths with exhibitor representatives and hands-on activities will be available for students to explore.

5-8 p.m.
Balboa Park Activity Center
FREE



FILM & PLANETARIUM SHOW SCHEDULE EUGENE HEIKOFF AND MARILYN JACOBS HEIKOFF GIANT DOME THEATER

VOLCANOES

Daily: Noon, 3 & 5 p.m.

Please note: No noon show on January 7. No 3 p.m. shows January 1-6. Additional 7 p.m. show January 1 and January 3-6.

GREAT BARRIER REEF

Daily: 2 & 4 p.m.

Fri-Sun: 6 p.m.

Please note: No 4 p.m. shows January 1-6. Additional 6 p.m. shows January 1 and January 3-6. No 6 p.m. shows January 20 & 26.

PANDAS

Daily: 1 p.m.

Sat-Sun: 11 a.m.

Please note: No 1 p.m. shows January 1-6. Additional 3 p.m. shows January 1-6. Additional 11 a.m. shows January 1-6 and January 19.

JERUSALEM

January 1-6

Daily: 1 & 4 p.m.

THE SKY TONIGHT: NEW HORIZONS FLYBY

JANUARY 6: 7 & 8:15 p.m.

THE SKY TONIGHT: LUNAR ECLIPSE

JANUARY 20: 7 & 8:15 p.m.

MYTHBUSTERS: THE EXPLOSIVE EXHIBITION

Don't miss your chance to see **MythBusters: The Explosive Exhibition** before it's gone for good! Find out once and for all whether you can safely drive while blindfolded or whip a tablecloth off a fully set table without disturbing a dish. This exciting exhibition hits the road on January 6!



HOURS

JANUARY 1-6
DAILY 10 a.m.-7 p.m.

Hours subject to change. Check our website when planning your visit.

REGULAR HOURS
MON-THU 10 a.m.-5 p.m.
FRI-SUN 10 a.m.-6 p.m.

The Fleet is open 365 days a year, including New Year's Day.

1875 El Prado
San Diego, CA 92101
(619) 238-1233
fleetscience.org

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3D PRINTING & CAD WORKSHOPS

JANUARY 13, 20 & 27

SUDS & SCIENCE

JANUARY 14

HIGH TECH FAIR

JANUARY 17

And more! Look inside. >



EVENTS CALENDAR



Financial support for the Fleet Science Center is provided in part by the City of San Diego Commission for Arts and Culture.



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Enjoy your time at the Fleet?
Become a volunteer! fleetscience.org/volunteer

JANUARY EVENTS

FLEET EVENTS

JANUARY 2 Exploring Ethics: How Do Websites Personalize Recommendations for Me?

In this talk, we will discuss the modeling techniques behind personalized recommendation technology on the web. We'll discuss the models that drive these systems, look at the research questions that drive the future of this field and break down their ethical implications.

5-7 p.m.
Community Forum

JANUARY 2 The Sky Tonight: New Horizons Mission Flyby

On January 1, the New Horizons spacecraft will be flying by 2014 MU69. Join us to learn the latest results from the mission to the outer solar system.

7 & 8:15 p.m.
Adult \$19.95
Seniors \$18.95
Juniors \$17.95
Member discounts available

JANUARY 5 Make-It Workshop: DIY Keychain

ALL AGES

Design and color special plastic pieces that are baked to shrink in an oven, to create charms for your very own keychain.

11:30 a.m.-3:30 p.m.
\$5
25 projects max

JANUARY 7 Senior Monday

65+

Enjoy discounted admission, a show in the Heikoff Giant Dome Theater and the opportunity to attend an engaging lecture on exciting scientific topics.

Seniors \$8
Adults \$21.95

JANUARY 7 Sharp Minds

Hear from local scientists about their latest research and discoveries in a friendly, inviting environment. Lecture is free with purchase of the noon theater ticket. This month's topic: recent advances in our understanding of the human genome and how it contributes to our health and well-being on a daily basis.

10:30 a.m. lecture; noon theater show: *Mysteries of the Unseen World*
Guest speaker: Dr. David Gorkin, UCSD
Seniors \$8
Adults \$21.95

JANUARY 10-13 Young Scientists: The Human Body

Young Scientists is a hands-on preschool science program offered by the Fleet Science Center. This month, topics include: digestion, circulatory system and the heart, skeletal system, brain and senses.

Thursdays, Saturdays or Sundays from 9-10 a.m.
Additional Sunday sessions 11 a.m.-noon.
Members \$75
Nonmembers \$85

JANUARY 12 Make-It Workshop: DIY Keychain

ALL AGES

Design and color special plastic pieces that are baked to shrink in an oven, to create charms for your very own keychain.

11:30 a.m.-3:30 p.m.
\$5
25 projects max

JANUARY 12 & 13 Weekend Science Clubs: Secrets of Squid

Have you ever seen a cephalopod? Get an inside look at the anatomy that makes these creatures so fascinating.

• **January 12**
Saturday Science Club for Girls
For girls in grades 5-8
Noon-2 p.m.

• **January 13**
Sunday Science Club
For students in grades 5-8
1-3 p.m.

Members \$13
Nonmembers \$15

JANUARY 13, 20 & 27 3D Printing & CAD Workshop

Explore new frontiers in technology through 3D printing in Studio X at the Fleet Science Center. You'll get to design and execute the printing of your very own three-dimensional object!

Studio X
Noon-2 p.m.
Members \$85
Nonmembers \$95

JANUARY 19 Autism Accessibility Morning

Enjoy early access to the exhibit galleries in a quieter setting an hour before the Fleet opens to the public. Admission includes access to a special cool-off space and a modified IMAX film screening at 10 a.m. with the house lights on and a lower soundtrack volume.

9-10 a.m.
10 a.m. film: *To the Arctic*

JANUARY 19 Junior Science Club: Brain Games

What goes on inside your head? Learn about the different regions of the brain and explore how the human brain processes optical illusions. For students in grades 1-4.

11 a.m.-12:30 p.m.
Members \$13
Nonmembers \$15

JANUARY 19 Make-It Workshop: Bamboo Skewer Sculpture

Come learn about the hidden math all around us and create a beautiful sculpture using bamboo skewers.

11:30 a.m.-3:30 p.m.
\$5
25 projects max

JANUARY 20 The Sky Tonight: Lunar Eclipse

Join us at the Fleet to celebrate a fascinating lunar eclipse. Participate in solar system-themed, hands-on activities in the theater lobby and catch a special viewing of one of the Fleet's most popular films, *Hubble*. The Fleet's resident astronomer, Dr. Lisa Will, will then take you on a journey through our solar system and explain more about lunar eclipses during an exclusive presentation of the Fleet's The Sky Tonight planetarium show.

4-9:30 p.m.
Fleet Science Center
\$21.95

JANUARY 26 Make-It Workshop: Bamboo Skewer Sculpture

Come learn about the hidden math all around us and create a beautiful sculpture using bamboo skewers.

11:30 a.m.-3:30 p.m.
\$5
25 projects max

COMMUNITY EVENTS

JANUARY 14 Suds & Science: How Healthy are our Winters?

Water stored as mountain snowpack is a critical source of freshwater for society and is fundamental to healthy mountain ecosystems. As the planet continues to warm, mountain snowpack will likely decline. Join us for a discussion of rising temperatures, mountain snowpack and the impact on our mountain ecosystems and communities.

6:30-8 p.m.
Wavelength Brewing
236 Main St.
Vista, CA 92084
\$5

JANUARY 17 High Tech Fair

Join us for the High Tech Fair's Family Night! Families with students in grades 7-12 can participate in a number of activities while being exposed to scientific fields they may not have considered before.

The High Tech Fair is a FREE event for both families and students, and allows students to speak with representatives from local STEM business. A variety of sectors are represented, including:

- Aerospace
- Defense
- Biotech
- Energy
- Sustainability
- Higher Education
- Environmental Science
- Technology

5-8 p.m.
Balboa Park Activity Center
Free

52 Weeks of Science

52 Weeks of Science brings researchers, engineers and scientists to local neighborhoods to share the wonder of science with families where they live, work and play. All events are **FREE**. For details, visit 52weeksofscience.org. *52 Weeks of Science is sponsored in part by SDG&E, Union Bank Foundation and Qualcomm.*

Barrio Logan

• January 8: Molecool Tuesday with AWIS

The Association of Women in Science invites young girls to channel their inner scientist in this interactive workshop about DNA manipulation.

4:30-6 p.m.
Logan Heights Branch Library
567 S. 28th St.
San Diego, CA 92113

• January 14: Food Science—Emulsification

Join Chefs and MishMash Owners Doug Cook and Malane Drake as they teach students about emulsification through the process of making whipped cream and Caesar dressing from scratch!

5:30-6:30 p.m.
MishMash
1805 Newton Ave.
San Diego, CA 92113

• January 22: Slimy Sea Creatures

In this class, you will act as a marine biologist as you discover the secrets of how octopuses change color and how oysters make pearls.

4:30-7 p.m.
Logan Heights Branch Library
567 S. 28th St.
San Diego, CA 92113

Clairemont

• January 12: CRAFTRONICS

Explore the basics of circuits and electronic elements by using them in various craft projects. The workshop combines crafting and technology to bring your creations to life.

1-4 p.m.
Linda Vista Library
2160 Ulric St.
San Diego, CA 92111

• January 19: Weed Warriors Canyon Clean Up Group

Join the Weed Warrior Canyon Clean-Up Team every 3rd Saturday of the month. Work with a Park Ranger to clean up your canyon and get some fresh air and exercise.

9-11 a.m.
Tecolote Nature Center
5180 Tecolote Rd.
San Diego, CA 92110

EDUCATION EVENTS

Register for Teacher Workshops at: fleetscience.org/teachers

JANUARY 2 Teachers Eating Pizza

In this workshop, we blend the humanities, art and science and ask the question, "What would your message to the universe be on behalf of all humanity?"

5-8 p.m.
Location: LL1
Free with refundable deposit
Advanced reservation required.

JANUARY 12 Argue! Like a Scientist

Discover strategies to enhance student arguments using claims from evidence, real data and opposing scientific views. Educators will discover new ways to align lessons to NGSS through science and engineering practices.

Community Forum
9 a.m.-noon
Educators: \$10

JANUARY 24 Picture Book Science: From Whirlybirds to Trees

Explore and experiment with seed dispersal and learn how a tiny seed becomes a big tree.

5-6:30 p.m.
Fleet Science Center
\$5
Grades 3-5

JANUARY 31 Picture Book Science: Robots and Roly Polies

What's under that rock? Discover some common playground creatures and learn how those creatures are similar to and different from us.

5-6:30 p.m.
Fleet Science Center
\$5
Grades TK-2