



Saturday, March 7, 2026 | 10:00 a.m. to 4:00 p.m.
Sonoma County Fairgrounds

Mission: To spark young people's wonder and curiosity about science, technology, engineering, and mathematics (STEM); to strengthen the San Francisco North Bay's STEM learning ecosystem; and to connect the STEM industry, education, and public sectors to deepen and sustain young people's STEM learning.

Vision: A world where all youth enjoy STEM, recognize the intrinsic and practical value of STEM, are workforce-ready and civically engaged, are scientifically literate, and can harness the power of science as a tool to help solve complex environmental, economic, and social issues.

On a scale from 1 to 10, how would you rate the quality of your experience? Please complete the survey!



Online Survey

Mark Your Calendar! Next Year's Event



Sunday, May 2, 2027

www.northbayscience.org

Get involved! Exhibit, volunteer, or sponsor!

The University of California Agriculture and Natural Resources (UC ANR) is an equal opportunity provider. The complete nondiscrimination statement can be found at: https://ucanr.edu/sites/default/files/2025-06/2025_ANR_NonDiscriminationStatement.pdf
Inquiries regarding UC ANR's nondiscrimination policies may be directed to UC ANR, Civil Rights Compliance Officer, University of California Agriculture and Natural Resources, 2801 Second Street, Davis, CA 95618, (530) 750-1280.

Welcome to our 14th annual event, featuring more than 100 organizations and welcoming more than 10,000 attendees! We celebrate STEM (Science, Technology, Engineering, and Mathematics) by fostering curiosity and wonder through hands-on exploration. This event unites STEM industry, educators, and the community, broadening awareness of STEM pathways so young people can envision STEM careers and strengthening the North Bay's economic vitality. Thank you for joining us on this exciting journey!

Glenda Humiston
Glenda Humiston, PhD
Vice President

Eric Verdin
Eric Verdin, MD
President & CEO



Amie Carter
Amie Carter, Ed.D.
Superintendent of Schools

John A. Carroll
John A. Carroll
Superintendent of Schools

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Angélica García, Ed.D.
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Elisabeth Wade, Ph.D.
Dean, College of Science, Technology, and Business



Collette Michaud
Collette Michaud
CEO & Founder

Joanne Webster
Joanne Webster
President & CEO

Eli Weinzeig
Eli Weinzeig
CEO

Dave Moeller
Dave Moeller
President, Peripheral Vascular Health



We appreciate our volunteer planning committee and building captains! The volunteer committee and building captains who lead the festival are neighbors from the local community. They ensure the event is free, welcoming, and high quality by recruiting exhibitors and sponsors, inviting schools and families, and managing a safe festival day that engages kids and connects the STEM community. Interested in joining? Contact info@northbayscience.org.

B. Gabriela Arango, Dennis Bentley, Lyman Black, Sarah Coburn, Guy Cottle, Gary Fong, Sarah Kangastone, Mandy Kirk, Kelly Mackura, Don Pierce, Mike Roa, Jessica Ruskin, Jose Villagomez, Kerry Winger, and Steven Worker.

Core Planning Committee (Professional Affiliations)



Hosting Sponsors



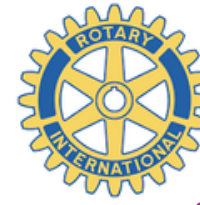
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Healdsburg Sunrise
Petaluma Sunrise
Petaluma Valley
Rancho Cotati
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Santa Rosa East/West
Santa Rosa Sunrise
Sonoma Mountain Twilight
The Rotary Club of Petaluma Foundation



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Cloverdale
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Healdsburg
Oakmont
Petaluma
Santa Rosa
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Bernstein Philanthropic Impact Fund (Collette Michaud and Steven Purcell)



Community First Credit Union



Silver Sponsors (\$100+)

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Soroptimist International Santa Rosa

Steven & Heather Worker
Stuart Levin
Summit State Bank
Synergy Solar

We Save the World 501(c)(3)
West America Bank
ZFA Structural Engineers

Community Partners



Grace Pavilion

- **AT&T** - How can the Sticky Squishers build the tallest, wobbliest, giggliest tower before it goes splat?
- **Bureau of Land Management** - What is Tread Lightly and how do we use its principles to recreate responsibly on public lands?
- **California Department of Water Resources** - How does moving water make electricity (hydropower)? / ¿Cómo produce electricidad el agua en movimiento (hidroelectricidad)? [Bilingüe (Español/Inglés)]
- **California Local Section of the American Chemical Society** - What secrets bring life to the forests?
- **California State Parks** - Have you ever seen or touched a wild animal?
- **Civil Air Patrol** - How does it feel to fly?
- **College of Marin Mathematics Engineering Science Achievement (MESA) Program** - Can a chemical reaction inflate a balloon by itself? / ¿Puede una reacción química inflar un globo por sí sola? [Bilingüe (Español/Inglés)]
- **Elsie Allen High School Healthcare Pathway** - What stops people from doing CPR, and how can we help? / ¿Qué impide que la gente haga RCP y cómo podemos ayudar? [Bilingüe (Español/Inglés)]
- **Environmental Resource Solutions, Inc.** - What is forestry? How important is forestry to our environment?
- **Honoré Farm and Mill** - How does a grain of wheat become bread? / ¿Cómo se convierte un grano de trigo en pan? [Bilingüe (Español/Inglés)]
- **International Bird Rescue** - What clues tell us when a bird needs help and when it doesn't?
- **Keyyo Face Painting - Color Lab & Face Art** - What new colors do you get when you mix primary colors? / ¿Qué colores nuevos salen al mezclar colores primarios? [Bilingüe (Español/Inglés)]
- **Kiwanis Club of Santa Rosa** - What is your vision for the earth? Draw it and Blue Origin will send it to space.
- **Laguna de Santa Rosa** - Why are vernal pools important? / ¿Por qué son importantes las charcas vernaes? [Bilingüe (Español/Inglés)]
- **Marin/Sonoma Mosquito & Vector Control District** - How has close viewing of mosquitoes taught us how to best fight them?
- **New York Life- Insurance and Investments** - What problem-solving hero will you be?
- **NorCal Mars Society** - Could you drive a robot rover on Mars?
- **North Bay Bear Collaborative** - Where are North Bay bears, and what do they eat? / ¿Dónde están los osos del North Bay y qué comen? [Bilingüe (Español/Inglés)]
- **Our Water Our World** - Did you know that over 90% of the bugs we see in the garden are beneficial?
- **Parker Electronic Motion & Controls** - How do we use electricity and magnets to make motors work?
- **Saving Hearts Foundation** - What happens to the body when the heart stops, and how can your actions keep someone alive?
- **Sea Otter Savvy** - What is a sea otter? Why are sea otters ecosystem superheroes, and why are they no longer in Northern California?
- **Sonoma Academy STEMminism** - How can a chemical reaction inflate a balloon without using air?
- **Sonoma County Library** - What textures do you notice when you look closely? / ¿Qué texturas notas cuando miras de cerca? [Bilingüe (Español/Inglés)]
- **Sonoma County Regional Parks** - What is a keystone species, and why are oaks one? / ¿Qué es una especie clave y por qué los robles lo son? [Bilingüe (Español/Inglés)]
- **Sonoma Ecology Center** - How does water move through a watershed, and how do we keep it clean? / ¿Cómo fluye el agua por una cuenca y cómo la mantenemos limpia? [Bilingüe (Español/Inglés)]
- **Sonoma Federal Credit Union** - How would you sort and count these coins to find the total quickly?
- **Sonoma State University Chemistry Club** - How does dry ice (CO₂) form bubbles, and how does water on our hands affect bubble stability?
- **Sonoma State University EdEon STEM Learning** - How does computational thinking and computer coding build and control a Mars Rover?
- **Sonoma State University Nursing Student Association** - How well do you really wash your hands?
- **Sonoma State University, Center for Environmental Inquiry & Bio Outreach** - How do habitats in a watershed support many plants and animals? / ¿Cómo apoyan los hábitats de una cuenca a muchas plantas y animales? [Bilingüe (Español/Inglés)]
- **Tesla** - What can you discover about how Tesla's electric cars work?
- **The Marine Mammal Center** - What is a marine mammal? What can you do to help them?
- **UC North Bay Fire Science Program** - How is fire behavior affected by different factors such as fuel, weather, and topography?
- **UC Sonoma County 4-H** - What patterns and shapes do you notice when you arrange nature items? / ¿Qué patrones y formas notas al ordenar materiales naturales? [Bilingüe (Español/Inglés)]
- **UC Sonoma County Viticulture** - Why do we grow mostly one species of grapevine?
- **Walker Creek Ranch** - What can you discover about the world?
- **We Save the World** - If this object could tell its story, what would it say about Sonoma County ecosystems?
- **WildCare** - What can you learn about an animal from examining the remains of a meal?

Grace Pavilion



Robot Zoo - Middle of Grace Pavilion

- **CometBoTs, FTC Robotics Team #14493** - Have you ever wondered how fun it would be to design, build, and program a robot to compete in robot games?
- **FIRST Robotics - Playing At Learning** - How do students apply science, technology, engineering, arts, and math to real-world challenges through robotics?
- **IGNIS MACHINA - Healdsburg Robotics Team** - What are robots?
- **NorCal FTC Champions - Mecha Mantises** - How do you approach challenges that can be solved with robotics successfully?

E. C. Kraft

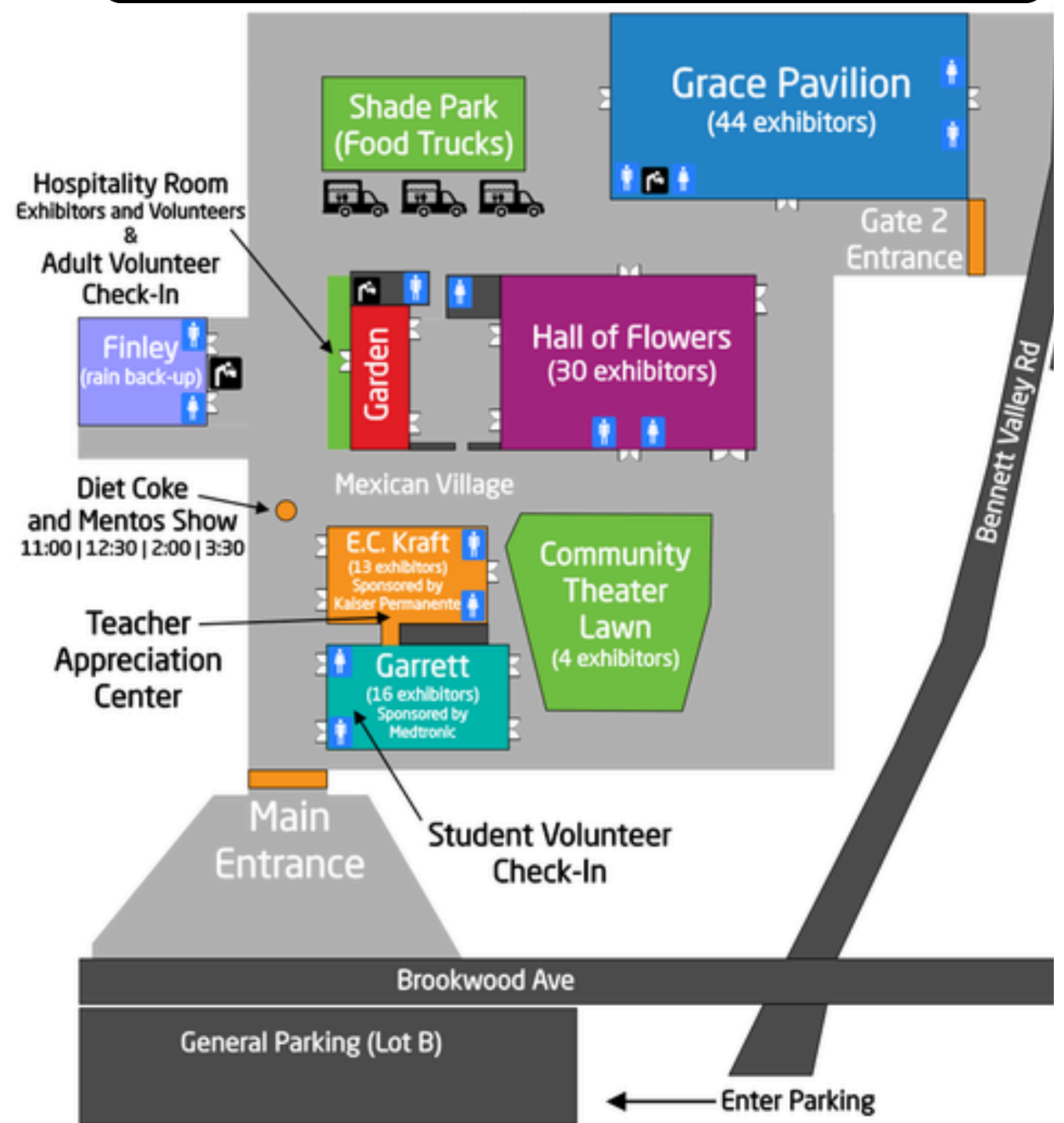
- **49ers EDU** - How does engineering help players stay safe and improve their play?
- **California Association of Science Educators (CASE)** - How does friction make static electricity? / ¿Cómo produce electricidad estática la fricción? [Bilingüe (Español/Inglés)]
- **Charles M. Schulz Museum** - How do we make still images appear animated?
- **Denali Therapeutics** - What does the brain look like, and what does it do? / ¿Cómo se ve el cerebro y qué hace? [Bilingüe (Español/Inglés)]
- **Fort Ross Conservancy's Coastal Academy** - What traits have marine mammals evolved to survive and thrive in the ocean?
- **Kaiser Permanente** - How can understanding your heart help you thrive?
- **Lions Club** (and outdoor trailer) - Why are healthy eyes important?
- **NorCal Bats** - How do bats help keep people healthy?
- **Sonoma County Office of Education** - How can making and STEAM support our well-being?
- **Sonoma County Radio Amateurs** - What can you discover about the science of amateur radio?
- **Teacher Appreciation Center** - The first 25 teachers receive a gift bag!
- **Zero Waste Sonoma** - What belongs in the recycling bin and why does it matter? / ¿Qué va en el reciclaje y por qué importa? [Bilingüe (Español/Inglés)]

Garrett

- **AspireED** - How do invisible ink, UV beads, and microscopes reveal hidden things? / ¿Cómo revelan la tinta invisible, las cuentas UV y los microscopios lo oculto? [Bilingüe (Español/Inglés)]
- **Expanding Your Horizons, Sonoma County** - What can I be when I grow up?
- **Medtronic** - How can we use engineering to design medical devices that alleviate pain, restore health, and extend life?
- **Milo Baker Chapter - California Native Plant Society** - What can Indigenous communities teach us about keystone species that are crucial to the health of local ecosystems?
- **Mobile Climate Science Labs** - What are the 4 fundamental forces in our universe? / ¿Cuáles son las 4 fuerzas fundamentales del universo? [Bilingüe (Español/Inglés)]
- **Montgomery High School Science Department** - How are sharks adapted to survive in the ocean?
- **Point Blue STRAW** - How do we use our watershed every day?
- **Point Blue Conservation Science** - What can ocean animals' food tell us about ocean health? / ¿Qué puede decirnos la comida de animales marinos sobre la salud del océano? [Bilingüe (Español/Inglés)]
- **Quest Forward Middle and High School** - Can you design a catapult to launch a ping pong ball straight into the hoop?
- **Solar Schoolhouse** - How can we harvest sunshine to power a motor or pump using solar cells?
- **Stewards of the Coast and Redwoods** - Can you match the animal skull to the animal's track?
- **The Bird Rescue Center** - How do bird adaptations define their food source?
- **The Robert Ferguson Observatory (indoor)** - What can sunspots and solar prominences tell us about the Sun's activity and its impact on Earth?
- **UC Berkeley RadWatch & DoseNet** - Where is radiation in our environment and how do we "see" it?
- **Zenni Optical** - How fast does your brain see?

Hall of Flowers

- **404 Found Code** - What is programming? What is a robot, and how does it work?
- **501st Legion - Golden Gate Garrison** - How would you create a toy lightsaber out of a plastic straw, watch battery, and a light emitting diode (LED)?
- **Buck Institute for Research on Aging** - How can we live healthier and longer as we age? / ¿Cómo podemos vivir más sanos por más tiempo al envejecer? [Bilingüe (Español/Inglés)]
- **Carnegie Science** - What color are plants inside? Why is spinach green?
- **Dominican University of CA AED (Med) & GSE (Chem)** - How can bubbles allow humans to hold fire without burns? Can milk be manipulated to become more than just a drink?
- **First Tech Federal Credit Union** - What are you saving for?
- **Girl Scouts of Northern California** - How can we make the world a better place through science?
- **LandPaths** - What do you notice, wonder, and remember? / ¿Qué notas, qué te preguntas y qué te recuerda? [Bilingüe (Español/Inglés)]
- **Lucasfilm Ltd./Industrial Light & Magic** - How does science play a role with visual effects for movies and television shows?
- **Make** - How do electronic circuits work?
- **Pacific Coast Air Museum** - What equipment helps aircraft land and launch from aircraft carriers?
- **Pacific Gas and Electric Company (PG&E)** - How do gas and electric safety and engineering innovations transform energy systems?
- **Pepperwood Preserve** - Can you identify local wildlife from clues like scat or tracks? / ¿Puedes identificar animales locales por pistas como excremento o huellas? [Bilingüe (Español/Inglés)]
- **Petaluma Wildlife Museum** - How can we preserve the environment to keep wildlife safe?
- **Rebel Legion Endor Base** - Want to learn how light works?
- **Recology Sonoma Marin** - What bin do I use?
- **Santa Rosa Junior College Biology Club** - What do real lungs look like in action?
- **Santa Rosa Junior College Chemistry Club** - What can color tell us about chemistry?
- **Santa Rosa Junior College Physics Club** - How accurately can electronics detect things? What kind of physics do they use?
- **Scouting America** - Are you ready for adventure?
- **Sonoma County Beekeepers Association** - Why are bees and other pollinators so crucial to life?
- **Sonoma Water** - How do insects show if a watershed is healthy? / ¿Cómo indican los insectos si una cuenca está sana? [Bilingüe (Español/Inglés)]
- **Stewards of the Coast and Redwoods** - What can we learn from tree rings? What are some of the different qualities of rocks? What are ways that animals are adapted to live in tidepools?
- **Technology High School Medical Club** - How does the environment determine an animal's diet?
- **The Thinker Teacher** - Ever wonder if you could code a video game or build a robot? / ¿Te has preguntado si podrías programar un videojuego o construir un robot? [Bilingüe (Español/Inglés)]
- **The Xerces Society** - What is this insect, and what job does it do in our world? / ¿Qué es este insecto y qué trabajo hace en nuestro mundo? [Bilingüe (Español/Inglés)]
- **UC Sonoma County Master Gardeners** - How do seeds move through the world? How do they sprout?
- **Veolia Water** - How do microscopic organisms keep our water clean?
- **VIAVI Solutions** - What is light?



Exhibitors ask a big question to guide their activity. These questions help kids explore and discover answers using evidence. Science inquiry is all about curiosity, experimenting, and learning new things!

If it rains, outdoor exhibitors will move into Finley Hall.

Outdoors

- Community Theater Lawn**
- **Children's Museum of Sonoma County** - What makes a rocket aerodynamic? / ¿Qué hace que un cohete sea aerodinámico? [Bilingüe (Español/Inglés)]
 - **City College of San Francisco's Engineering Club** - Which type of paper airplane flies better when launched by motorized paper airplane launchers?
 - **i9 Sports Santa Rosa** - Can you use physics to find the perfect angle for a winning goal?
 - **The Robert Ferguson Observatory (telescopes)** - What can sunspots and solar prominences tell us about the Sun's activity and its impact on Earth?
- Garden Building**
- **Mobile Maker Club** - How can sunlight be transformed into art and energy through solar power?
 - **The Animal People / Lyon Ranch Therapy Animals 501(c)(3)** - How are animals adapted to living in their environments?
- Mexican Village**
- **Donald Laird (Diet Coke and Mentos Reaction Show)** - What happens when diet cola and Mentos candies mix, and why? Showtimes: 11:00 a.m., 12:30 p.m., 2:00 p.m., and 3:30 p.m.