



THE COLLEGE & CAREER EXPO

This year will mark the fourth successful annual organization of the NorCal STEM Education Foundation's College & Career Expo that is held concurrently with our Sacramento Regional STEM Fair. We are excited to announce the following Friends of the Fair Exhibitors are participating with a hands-on activity and information regarding their organization or company.

Want to promote your business or organization? It's easy! Sign up here: [2017-exhibitor-registration](#).



THE STEM FAIR'S NEW SEGMENT: PARENT PROGRAMMING

The NorCal STEM Education Foundation has organized the Sacramento Regional STEM Fair for 15 years as an enjoyable day of STEM for the whole family. We aim to improve the morning schedule with additional parent-interest activities because we know that sitting through a lecture first thing in the morning is not most people's idea of Saturday fun. Instead, we will be hosting a

students! Starbucks in the ARC Student Center will also be open to the public beginning at 7:30AM so that all parents can get the pick-me-up we all so desperately need.

Do you have a company that parents need to know about? If so, sign up today: [Parent Programming Registration](#). Parent programming is scheduled for 9am-3pm.

2017 CALENDAR OF EVENTS

February - Contact the NorCal STEM Education Foundation for in-class presentations and help with registration!

February 10 - NEW DEADLINE FOR STUDENT REGISTRATION

February 24 - Judge & General Volunteer Registration Due

February 24 - Pin Design Contest Closes

February 24 - Final Exhibitor Registration Due

March 24 - Project Drop Off and Set up day

March 25 - Sacramento Regional STEM Fair and College & Career Expo at American River College

DONATE TO THE FOUNDATION WHILE SHOPPING FOR GROCERIES!

Do you shop at Raley's, Bel-Air, or Nob Hill? If so, please join the Extra Credit program for the Sacramento Regional Science and Engineering Fair Foundation. [See instructions on how to sign up here](#). It's all online and just takes a few simple clicks to support the Foundation!

ARE YOU A STATE WORKER LOOKING TO DONATE THROUGH "OUR PROMISE" (formerly CSECC)?

The donation website for "Our Promise" has been taken offline, but state employees can still make their donations the old-fashioned way! The Sacramento Regional Science & Engineering Fair Foundation (dba NorCal STEM Education Foundation) hopes you will elect to donate to our organization. We've even prepared the form for you with our information to make it simple. Use the Our Promise form with our information [here](#).

THANK YOU TO OUR JANUARY SPONSORS

The NorCal STEM Education Foundation would like to thank the following sponsors for their generous donations!

myriad of companies and organizations that are of specific interest to parents in areas such as registering to win a free week of summer camp for their

Your organization can also stay through the College & Career Expo for no additional cost!

FINAL EXTENSION TO REGISTRATION - FEB 10

The Sacramento Regional STEM Fair is almost here! We have extended our deadline to February 10th. Our new ability to receive instant registration through our online registration has really helped organize and manage our multitude of registrations so far. But we're not done yet! Submit your registration today! We want to see what you can do!

Project boards do NOT need to be completed until the actual Fair day Check-in, March 24, 2017.

Please feel free to contact the Director, Nadia Compton, at ncompton@sacSTEMfair.org with any questions or concerns about the registration process!

[CLICK HERE](#) to register for the **COMPETITIVE DIVISION**.
OR
[CLICK HERE](#) to register for the **SHOWCASE DIVISION**.

TENTATIVE TIMELINE

SACRAMENTO REGIONAL STEM FAIR AND COLLEGE & CAREER EXPO

FRIDAY, MARCH 24 5pm-7pm Project Drop Off	SATURDAY, MARCH 25 6am-8am Competition Check-in	9am-3pm Parent Programming Enjoy exhibitors specifically tailored to parent interests.
Competition and Showcase Division project entries can be dropped off on Friday to make Saturday morning easier. Check-in is also open Saturday morning at different times, dependent upon your division. (See Saturday schedule.) NOTE: If you do not make your check in time as a Competitor, you will be <i>automatically</i> changed to Showcase.	If you registered to compete, you MUST be completely checked in by 8am (that means YOU and YOUR PROJECT!). If you do not make the cut off time, you will automatically be moved into the Showcase Division.	10am-1pm Showcase Check-in Students registered as Showcase Division check-in and set up projects, open for public viewing at 11am.
6pm Judge's Check-in Judges arrive to pick up official t-shirts and project assignments.	7am - 8:30am Judge Check-in & Breakfast Judges check in with their team lead and enjoy complimentary breakfast pastries.	12pm-5pm College & Career Expo Experience hands-on STEM-focused exhibits from local organizations and companies!
6:30pm-8pm Judge Dinner & Orientation Judges enjoy dinner while receiving orientation for Saturday from their respective team leads.	7:30am Starbucks on ARC Campus in Student Center opens to all	1pm-3pm Student & Volunteer Lunch Lunch provided for registered student and volunteer attendees
8pm-9pm Judge's walk through (optional) Judges may preview some of the projects they have been assigned. An additional preview time will be set for Saturday morning.	8am-9am Judge's Walk Through Judges preview assigned projects.	1:30pm-5pm Competition Project Hall Opens to Public All projects are available for viewing after judging is completed
8pm-9pm Judge's walk through (optional) Judges may preview some of the projects they have been assigned. An additional preview time will be set for Saturday morning.	8am-9am Student Orientation (mandatory) Students will learn what is expected of them as student competitors. 9am-1pm Competition Judging Begins Judging is a closed-door session. Only students and judges are present in the exhibit halls.	5pm-6pm Awards Ceremony Students receive recognition for their participation and students selected as Competition Category award winners are announced. Have any questions about the schedule? Let us know! Contact us at (916) 441-3150 or email us!



ASCE Sacramento Section is recognized at the Bismuth level.



Dr. Pepper Snapple Group is recognized as a Friend of the Fair.



Raley's/BelAir is recognized as a Friend of the Fair.



Aramark is recognized as a Friend of the Fair.



Starbucks at Landis & Fair Oaks in Carmichael is recognized as a Friend of the Fair.

The Foundation would like to thank ALL of our Sponsors! Without you, we could not continue serving STEM!

SCIENCE SPOTLIGHT

Scientists Still get Surprises.

On Monday, January 9th, scientists got a surprise near miss by an asteroid that came within half the distance of the Earth to the Moon (which is 238,900 mi away). The asteroid, named 2017 AG13, was approximately the size of a ten-story building and moved at approximately 9.9 miles per second as it swung by Earth. Scientists only had a two-day notice of the asteroid, as it was only discovered by scientists at the University of Arizona on Saturday, January 7th. What would have happened if the asteroid had not missed and hit us instead? According to models, 2017 AG13 would have exploded approximately ten miles above Earth's surface, creating a large boom and releasing dozens of times more energy than the atomic bomb at Hiroshima, but likely causing no damage here on the surface. It just goes to show that even with all the advancements in science and technology that surround us, things can still sneak up on us! Watch and read more about 2017 AG13 here: [#NotsoArmageddon](#).

Applicable Engineering.

Engineers at the University of Melbourne have FINALLY come up with a methodology to perfectly dispense Heinz ketchup without getting it all over the place! All of our problems have been solved! In three simple steps, you too can be ketchup-on-your-clothes free. Read more about the correct method for dispersing ketchup here: [#NOTsavingitforlater](#).

SCHOLARSHIPS



Classroom Presentations Schedule yours Today!

Teachers! Want a STEM presentation at YOUR school? Presentations are a great way to drum up student excitement about conducting their own research, and can allow us to directly handle your

students' registration questions! If you would like an in-class presentation, contact us today!

Request a Presentation!

PIN DESIGN CONTEST OPEN

Do you consider yourself somewhat of an artist? If so, we want YOU to help us design our 2018 STEM Fair pin! Each year, the NorCal STEM Education Foundation provides pins to participants at the Sacramento Regional STEM Fair to commemorate the event. These pins travel with the winners who go on to compete in the Intel International Science & Engineering Fair and are traded among competitors from all over the world! Imagine YOUR design traveling to Europe, Asia, even Australia!

The contestants for the Pin Design Competition will be featured on-site at the 2018 Sacramento Regional STEM Fair and the winner will be named at the Awards Ceremony.

Rules to Enter:

All designs should be scalable (submitted in EPS format) and visually appealing when reduced to 1 1/2 x 1 1/2 inches. Designs will be displayed in color in two sizes for voting. Designs will be shown in a print area of 4x6 inches alongside a pin preview thumbnail of 1 1/2 x 1 1/2 inches. Pin designs should state "2018" and "Sacramento Regional STEM Fair." The chosen pin is subject to change to reflect the name of the 2018 Fair.

Individual submissions only. Contest is limited to students in grades 5-12 who reside in the NorCal STEM Education Foundation's service area.

To learn more, [visit our website](#).



Past Pin Designs

UC Davis Young Scholars Program

The UC Davis Young Scholars Program is a summer residential research program designed to expose approximately 40 high achieving high school students to the world of original research in the natural sciences with emphases on the biological, environmental and agricultural sciences. Participants will work one-on-one with research faculty and research groups in state of the art laboratories for six weeks.

Application Period Closes: March 16, 2017.

Visionary Integration Professionals' Women in Technology Scholarship Program

Attention all college-bound women! If you're pursuing a career in computer science, information technology, management information systems, or other related fields, Visionary Integration Professionals (VIP) would like to invite you to apply for our annual Women in Technology Scholarship (WITS) program. VIP awards multiple scholarships of up to \$2,500 per recipient. We encourage qualified women to apply!

Submissions Due: March 7, 2017.

For more information contact WITS@trustvip.com

OTHER COMPETITIONS

Toshiba/NSTA ExploraVision Science Competition

The 2017 Toshiba/NSTA ExploraVision Science Competition is available for the U.S. K-12 students who engage in the next generation real-world problem solving with a strong emphasis on STEM. Students must be no older than 21 years of age.

Eligibility: K-12 students

Application Deadline: February 6, 2017

Award: First prize and second prize worth of \$10,000 and \$5000

[Application Link HERE](#)

Get Social with us!

