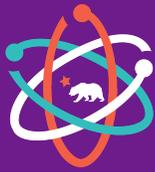




Issue 39, April 21, 2017

Join NSEF @ the March for Science Sacramento



The NorCal STEM Education Foundation will be hosting an exhibit booth at the March for Science Sacramento on April 22, to celebrate Science and Earth Day! We will be hosting a seed-planting activity and answering questions about our Programs! Please be sure to stop by and say hi to Foundation staff!

2017 FAIR WINNERS - CONGRATULATIONS!

Pack the project boards! Three Grand Prize winners from the Sacramento Regional STEM Fair are getting ready to face tough international competition following a strong showing the March 25th Fair.

Teevyah Yuva Raju, a junior at Mira Loma High School in Sacramento, placed first overall at the STEM Fair with her project titled "The Reversal of Harms Done by the Drought, how carbon and nitrogen levels affect *Fusarium oxysporum* f. sp. *lycopersici* race 3 in soils effect tomato plant growth.." Her project researched the best way for farmers worldwide to amend their soils for the least amount of money to ensure healthy, fruitful crops.

Arya Goutam placed second overall with his elderly fall sensor (called "ResQ") that will send a family member a call if a senior falls.

Third place overall was Guadalupe Bernal who built from scratch (including 3D printing the parts) an autonomous (self-driving) vehicle; both hardware and software!

All three Grand Prize winners will now go on to compete at the International

Science & Engineering Fair to be held May 14-19 in Los Angeles, CA. Historically, Sacramento's representatives have placed well at the international level.

Overall, hundreds of students participated in the annual Sacramento Regional STEM Fair. Projects covered a range of topics working to solve problems and make discoveries in areas of science, engineering, medicine and transportation.



A complete list of winners has been posted online at www.sacSTEMfair.org.

The NorCal STEM Education Foundation organizes the Fair annually and partners with Intel, the Professional Engineers in California Government (PECG), the California Association of Professional Scientists (CAPS), Aerojet Rocketdyne, and many others.

THANK YOU DOESN'T COVER IT! 2017 Surveys

We have so many people and including the following out of judges this year from organizations to thank for counties - El Dorado, Placer, all of our sponsoring

CALENDAR OF EVENTS

April 22 - March for Science Sacramento

September 9 - Folsom Electricity Fair

June 5 - Student Project Registration OPENS

STEM IS NEWSWORTHY - AGAIN!

This month, our three grand-prize winners from the 2017 Fair were interviewed about their successful projects on GoodDay Sacramento.

Would you like to see what the hosts of the show thought of their work? Click the links below:

[Teevyah's Project](#)

[Arya's Project](#)

[Guadalupe's Project](#)

2017 STEM FAIR PHOTOS

[Visit our Flickr here.](#) To view all the photos that were taken at the Sacramento Regional STEM Fair! We hope you enjoyed the event and look forward to seeing you next year!!

THANK YOU TO OUR 2017 SPONSORS

We couldn't have put on such a successful event without all of our sponsors - from community organizations to philanthropic national companies - thank you all! Check out all our sponsors online at:

www.sacstemfair.org/pastsponsors

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)?

helping the NorCal STEM Sacramento, San Joaquin, organizations like Intel, the Education Foundation Shasta, Sutter, Yolo and California Association of organize and hold the 2017 Yuba. We had students from Professional Scientists Sacramento Regional STEM 34 schools attend - our (CAPS), the Professional Fair! Our success is largest turn out yet! We Engineers in California determined by our introduced the Showcase Government (PECG), UC community support - so Division two years ago and Davis, CSUS and many more!

based on what we saw this year, we are truly and absolutely successful! We had all new sponsors and tons of support for the

College & Career Expo with over 40 exhibitors!

The Sacramento Regional STEM Fair featured a multitude of student projects from around the greater Sacramento region

Our volunteer judges never cease to amaze us with their support and dedication to

our mission of engaging and inspiring students to become interested in pursuing STEM degrees and careers. We had a great turn

Thank you ALL so much for attending the 2017 Fair - let's make 2018 even better!

Please take some time and help us by filling out our one of our short surveys:

- [Student Survey](#)
- [Judge/Volunteer Survey](#)
- [Teacher Survey](#)
- [Exhibitor Survey](#)
- [Attendee Survey](#)

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](#).

SUMMER FOLLOW UP

THE FAIR AFTERMATH

It has been a bit crazy around Headquarters as we continue to clean up from the aftermath of the Fair, but we're finally pleased with the relative level of "Fair debris" that is left.

What does this mean for you? We can start ordering awards for those students in team projects who placed! The additional trophies will take some time to manufacture- they are ALL produced by HAND. You'll be the first to know!

TELL US ABOUT YOUR SUMMER

It's almost Summer Vacation, hooray! We want to know what YOU plan to do in STEM this summer! Will you go to a science summer camp? Will you start experimentation (make sure to register first so we can put your experiment through SRC if you intend to use it for next year's Fair!)? Don't be shy - we will accept stories from students, teachers, even parents! Submit your stories to sacSTEMfair@sacSTEMfair.org and we will publish them in the next Beaker!

The Regional STEM

Mentoring Program

Great minds follow great mentors! The Regional STEM Mentoring (RSM) program provides a foundation for students to build hands-on skills, receive advice, and grow into independent individuals ready to jump-start their careers. The RSM program dedicates itself to opening the minds of students to pursue greater STEM careers with a passion for what they want to do. Students who go through the program emerge better equipped for the STEM workforce and their future careers! Please visit our website for more information and to sign up for this amazing experience:



[Learn about the Mentoring Program!](#)

WHAT'S NEW?!

New Website:

Here at the NorCal STEM Education Foundation, we always strive to make things as easy as possible for our students. That said, there's a lot of information to cover regarding our largest event, the Sacramento Regional STEM Fair. With that caveat in mind, we've updated our website to hopefully make it easier to navigate for even the youngest of our STEM Followers. You can sneak a peek here: www.sacstemfair.org.

Modified Registration:

We've also modified the registration based on grade division to help middle school students warm up to the rigors of the high school registration. (Sorry high-schoolers, it's

necessary if you want to qualify to compete in the International Fair.) Registration will open June 5 this year to ensure that your project gets SRC Approvals PRIOR to experimentation.

New Categories:

The Fair will still have seven categories, but they've been modified to better encompass the projects that we've seen in recent years. Take a look at our new categories here: [#categories](#).

Get Social with us!

