



Mission: STEM Santa Fe advocates for, develops and provides STEM programming, mentoring and resources for all youth, especially under-represented groups in STEM, to realize their potential and expand their opportunities in a dynamic world.

Vision: STEM Santa Fe envisions a world filled with analytical citizens exploring complex issues for the betterment of society.

Focus areas

1. Initiating out-of-school enrichment and mentoring programs in Science, Technology, Engineering and Math.
2. Mentoring students to attend and enter STEM competitions in the region.
3. Fostering teamwork, problem solving skills, and resilience to prepare the youth for the future job market demand.
4. Organizing STEM conferences and events to inspire students to remain engaged in school and in STEM fields.
5. Engaging under-represented groups in STEM, mainly girls, Hispanics and Native Americans to close the achievement gap
6. Partnering with local groups, schools and non-profits advocating for STEM education.
7. Building a supportive network among students, teachers, STEM professionals, volunteers, and educators for productive collaboration.

STEM Santa Fe began operation in 2016-2017 school year and spearheaded three successful programs that spark students' interest in STEM, serving students in 5th-8th grade from Santa Fe and Northern NM.

- 1- STEM Conference for girls known as Expanding your Horizons (EYH) for girls in 5th-8th grade at Santa Fe Community College.



Saturday October 15, 2016 conference was attended by 168 girls in 5th to 8th grade from Northern New Mexico. The program included a keynote address, 12 STEM workshops and a STEM and College Fair. Each girl attended two out of 12 hands-on workshops led by women in STEM.

- 2- Julia Robinson Mathematics Festival for male and female students in 7th and 8th grade.



For the first time in New Mexico, in collaboration with Math Circles Collaborative of NM, STEM Santa Fe held the Julia Robinson Mathematics Festival (JRMF) on Friday February 24, 2017 at Santa Fe Community College, for 148 (58% girls) from 7 different schools in Northern NM. The mission of JRMF is to inspire students to explore the richness and beauty of mathematics through activities that are interesting, inspiring, and engaging in a collaborative environment. Julia Robinson Mathematics Festivals have been held in 16 states and three countries.

- 3- School-based weekly afterschool program at El Camino Real Academy mentoring student teams to participate in STEM competitions.



On September 1, 2016 STEM Santa Fe started a 2-hour weekly STEM Afterschool Club at El Camino Real Academy (ECRA) with the mission of (1) introducing hands-on STEM activities for interested students and (2) mentoring teams to participate in STEM competitions and challenges. Twenty 5th-8th grade students joined the club. STEM Santa Fe provided the programming and mentorship as well as help with fundraising and logistics.

New Mexico Electric Car Challenge, Saturday November 19, 2016

STEM Santa Fe organized and funded three teams from El Camino Real Academy to participate in the New Mexico Electric Car Challenge. Fourteen students, including two girls, from ECRA competed with 3 electric cars that they hand-built and debugged. This was the only school from Santa Fe that participated in this state-wide event.

RoboRAVE US 2017 in New Mexico, Friday and Saturday May 5-6, 2017

STEM Santa Fe organized and funded one team from El Camino Real Academy to participate in RoboRAVE, a Robotics Competition. Three students from ECRA competed in the A-MAZE-ing Challenge with their robot, where the MAZE was revealed onsite and students had to program and debug on the spot.

In addition STEM Santa Fe continues to:

- advocate for STEM education by collaborating with other organizations that align with our mission
- grow our network of STEM professionals willing to mentor and volunteer
- bring the excitement of STEM to students and to connect them with STEM role models.

As the need for our programs is huge and necessary.

For more information, please contact:

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STEM Santa Fe is a 501(c)(3) non-profit organization. Donations are tax-deductible to the full extent allowed by law.

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