

**Monte Vista School District Results – Colorado Science & Engineering Fair – April 6<sup>th</sup>-8<sup>th</sup> 2017**



Monte Vista was well represented by nine finalists in Fort Collins this weekend!

***Elias Arredondo, Ethan Hotz, Molly Nehring, Sara Nehring, Parker Randolph, Alyssa Rawinski, Camille Rawinski, Caleb Riggerbach, and Michael Savala***

Two student volunteer/observers, Amber Michel and Amy Quintana, also attended and assisted the Fair director with several support tasks during the day of registration and judging. Each of these students worked extremely hard to reach this level of competition, and did an **outstanding** job representing themselves, our science program, and the district as a whole. One notable accomplishment is that ALL nine MVSD finalists “made the stage” and placed at some level for a Grand Award, a feat not seen for several years at CSEF (this is an extremely competitive fair)!! **Congratulations** to them all, and **THANK YOU** to the parents, school board members, administration, staff, and sponsors who helped make this trip a huge success!

This year’s CSEF hosted approximately 330 excellent projects with over 400 students attending. Our students performed **exceptionally** well during the judging phase, and participated in all sorts of science-related tours across the CSU campus. They also listened to a fascinating presentation from Dr. David Aucsmith (Applied Physics Lab, University of Washington), a former employee of Microsoft who described the origins of the Internet, and our current challenges and strategies in the field of cyber security.

Please enjoy reading the list of awards the students received below. **Additionally, Molly Nehring, Sara Nehring, and Alyssa Rawinski, will also be attending the International Science and Engineering Fair (ISEF) to be held in Los Angeles, CA, on May 14<sup>th</sup> -19<sup>th</sup>, 2017! Please wish these ladies good luck!!**

**Awards:**

Elias Arredondo

**Second Place**, Plant Sciences Category  
 CBTA Best Biology Project Award  
 CSU Excellence in Horticulture Award  
 Broadcom MASTERS Nomination

Ethan Hotz

**Honorable Mention**, Chemistry & Biochemistry Category  
 American Chemical Society Award

Molly Nehring

**First Place**, Physics Category  
**Third Place**, Best CSEF Project (and award of Finalist for ISEF)  
 AIAA Excellence in Aeronautics and Astronautics Award  
 Colorado Association of Science Teachers Award  
 SPIE Optics and Photonics Special Award  
 CSU Promising Young Women in Science Award  
 CSU 1K Scholarship, renewable for 3 semesters  
 CSU College of Natural Resources, 1K Scholarship, renewable for 3 years

Sara Nehring	<b>First Place</b> , Mathematics & Computer Sciences Category Institute of Electrical & Electronics Engineers Award Glissmann Family Award for the Best Use of Software Programming Broadcom MASTERS Nomination
Parker Randolph	<b>Fourth Place</b> , Plant Sciences Category CFA Agriculture in the Classroom Award CSU Excellence in Horticulture Award ASU Scholarship One Year Tuition & Fees
Alyssa Rawinski	<b>First Place</b> , Environmental Sciences Category Energy Day Academic Award CSU 1K Scholarship, renewable for 3 semesters ASU Scholarship One Year Tuition & Fees
Camille Rawinski	<b>Third Place</b> , Animal Sciences Category
Caleb Riggerbach	<b>Honorable Mention</b> , Plant Sciences Category
Michael Savala	<b>Honorable Mention</b> , Environmental Sciences Category AICE Excellence in Chemical Engineering Award

### Projects:

Elias Arredondo – 6 <sup>th</sup> grade	<i>“Fish Fertilizer: The Correlation Between Fish &amp; Foliage”</i>
Ethan Hotz	<i>“How Cool is That Light?”</i>
Molly Nehring – 10 <sup>th</sup> grade	<i>“Dancing with the Stars: Simulating Multi-Star Systems &amp; the Probability of Planetary Ejection”</i>
Sara Nehring – 8 <sup>th</sup> grade	<i>“Over the Hill and Through the Codes Encryption and Decryption We Go!”</i>
Parker Randolph – 10 <sup>th</sup> grade	<i>“Examining the Effects of Martian Soil, Additives, Water Quality, and Companion Planting on Biomass and Plant Characteristics”</i>
Alyssa Rawinski – 10 <sup>th</sup> grade	<i>“Western Snowy Plover Nest Site Characteristics and Use of Drone Imagery in Predicting Potential Nesting Habitat”</i>
Camille Rawinski – 7 <sup>th</sup> grade	<i>“Do Female Quarter Horses Have Better Memory Than Males? Yay or Neigh?”</i>
Caleb Riggerbach – 8 <sup>th</sup> grade	<i>“The Little Things in Life: A Study on Microorganisms”</i>
Michael Savala – 10 <sup>th</sup> grade	<i>“Ferro-solution? Can Iron Nanoparticles Help With Oil Spill Clean-up?”</i>