



Monte Vista was well represented by thirteen Finalists in Fort Collins this weekend!!

***Amanda Avila, Trinady Gonzales Matyson Jones, Marissa Martinez, Amber Michel, Gus Miller, Madison Miller, Molly Nehring, Sara Nehring, Amada Quintana, Alyssa Rawinski, Camille Rawinski, and Andres Villa***

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. **Congratulations** to them all, and **THANK YOU** to the parents, school board members, administration, MVMS and MVHS staff, and sponsors who helped make this trip a huge success! I'd also like to send a special **thank you** out to Gary Wilkinson, Ken Michel, and Mark Hotz who recognized and helped us troubleshoot a mechanical problem with the bus, and kept things running smoothly!

This year's CSEF hosted 316 excellent projects with approximately 400 students attending. Our students performed **exceptionally** well during the judging phase, watched the inspirational movie "Science Fair" from National Geographic, and participated in several science-related tours across the CSU campus.

Please enjoy reading the list of awards the students received below. Additionally, **Amber Michel, Sara Nehring,** and **Alyssa Rawinski** have **ALL** qualified to compete at the International Science and Engineering Fair (ISEF) in Phoenix, AZ, on May 12<sup>th</sup>-17<sup>th</sup>, 2019! This is a phenomenal accomplishment for all three of these young ladies! Camille Rawinski and Andres Villa will also attend ISEF as Student Observers!! Please wish **all** of these students the best of luck at ISEF!!

**Awards:**

**Amanda Avila & Trinady Gonzales**

Adams State University – 5K Scholarship with potential for renewal

**Marissa Martinez**

**First Place** - Behavioral & Social Sciences Category  
Broadcom Masters Nomination

<b>Amber Michel</b>	<p><b>Third Place</b> - Environmental Sciences Category</p> <p>American Meteorological Society - <i>Award for Excellence in Atmospheric Science Research</i></p> <p>Colorado Mineral Society – <i>Best Earth Science Award</i></p> <p>Colorado Scientific Society – <i>Excellence in Geology Award</i></p> <p>Rocky Mountain Water Environment Association - <i>Water Research Award</i></p> <p>Society for Mining, Metallurgy &amp; Exploration Colorado Section - <i>Excellence in Mineral Science &amp; Engineering Award</i></p> <p>Trout Unlimited - <i>River Conservation Award</i></p> <p>Water Environment Federation - <i>Stockholm Junior Water Prize</i></p>
<b>Gus Miller</b>	Frank Armbruster Foundation - <i>Armbruster Memorial Award</i>
<b>Madison Miller</b>	<p><b>Second Place</b> - Animal Sciences Category</p> <p>CSU Colorado Natural Heritage Program - <i>Colorado Natural Heritage Program Conservation Award</i></p>
<b>Molly Nehring</b>	<p>United States Department of Commerce - <i>Award for Excellence in Science and Engineering</i></p> <p>Intel Foundation - <i>Ryan Patterson Scholarship</i> (2K to college of choice)</p>
<b>Sara Nehring</b>	<p><b>First Place</b> - Mathematics &amp; Computer Sciences Category</p> <p><b>Third Place - Best of CSEF Project</b> (and award of <b>Finalist</b> for ISEF)</p> <p>University of Northern Colorado - <i>Mathematics and Science Teaching Institute Award</i></p> <p>Wilkins Family - <i>Young Entrepreneur's Award</i></p> <p>Colorado State University – <i>1K Scholarship, renewable for 3 years</i></p> <p>Intel Corporation - <i>Intel Excellence in Computer Science Award</i></p>
<b>Amada Quintana</b>	<p><b>Second Place</b> – Behavioral &amp; Social Sciences Category</p> <p>American Psychological Association - <i>Outstanding Achievement in Psychological Sciences Award</i></p>
<b>Alyssa Rawinski</b>	<b>First Place</b> , Environmental Sciences Category
<b>Camille Rawinski</b>	<p><b>Second Place</b>, Animal Sciences Category</p> <p>American Vacuum Society: Rocky Mountain Chapter - <i>Excellence in Physical Sciences &amp; Engineering Award</i></p> <p>Colorado Association of Science Teachers - <i>CAST Award</i></p> <p>Colorado Environmental Health Association - <i>Environmental Health Award</i></p> <p>Colorado Foundation for Agriculture - <i>Jack Fenwick Award for Agricultural Science</i></p>
<b>Andres Villa</b>	<b>Honorable Mention</b> , Environmental Sciences Category

### Projects:

Amanda Avila & – 12 <sup>th</sup> grade Trinady Gonzales	“Let There Be Light: The Effects of UV Rays on Bacterial Growth in Food”
Matyson Jones – 10 <sup>th</sup> grade	“Fire Storm: Examining the Relationship between El Nino/La Nina Weather Cycles and Wildfire in the Western US”
Marissa Martinez – 8 <sup>th</sup> grade	“Imagine the Perfect Title!”
Amber Michel – 12 <sup>th</sup> grade	“Rock On: Limestone’s Potential to Improve Water Quality in the Alamosa River Drainage”

Gus Miller – 7 <sup>th</sup> grade	<i>“Device for the Ice!”</i>
Madison Miller – 8 <sup>th</sup> grade	<i>“Fowl Play: How Different Types of Recreational “Play” Affects the Flush Response of Waterfowl”</i>
Molly Nehring – 12 <sup>th</sup> grade	<i>“Galactic Outcasts: A Simulation and Study of the Interaction Between Stars Within Globular Clusters”</i>
Sara Nehring – 10 <sup>th</sup> grade	<i>“Pattern Recognition Using Neural Networks in the MATLAB Programming Environment”</i>
Amada Quintana – 10 <sup>th</sup> grade	<i>“The Effects of Stress on Teenage Substance Use”</i>
Alyssa Rawinski – 12 <sup>th</sup> grade	<i>“Tracking Microplastics through a Food Chain to Determine the Effectiveness of Plastic Biodegradation in Mealworms”</i>
Camille Rawinski – 9 <sup>th</sup> grade	<i>“UnBEElievable Pollination - Examining the Effects of Air Pollutants on Bumble Bee Pollination?”</i>
Andres Villa – 10 <sup>th</sup> grade	<i>“Examining the Toxicity of Herbicides on Terrestrial and Aquatic Organisms Susceptible to Contamination”</i>