

<b>Category</b>	<b>Division</b>	<b>Place Name</b>	<b>Student</b>	<b>School</b>	<b>Team Member 2</b>	<b>Project Title</b>
<b><i>Behavioral &amp; Social Sciences</i></b>	<b><i>Elementary School</i></b>	<b>First Place</b>	Phoenix Javalera	Bill Metz Elementary School	Kashton Kloeppel	<b><i>No Pain, Lots of Game</i></b>
		<b>Second Place</b>	Lilyana Jaramillo	Bill Metz Elementary School		<b><i>Music Game</i></b>
		<b>Third Place</b>	Avery Duran	Sanford Elementary School		<b><i>Battle of the Senses</i></b>
		<b>Honorable Mention</b>	Lyla Gerardo	Sierra Grande Elementary School		<b><i>Color vs Flavor</i></b>
		<b>Honorable Mention</b>	Lincoln Sheffield	Home School Elementary		<b><i>Are People Liars?</i></b>
		<b>Honorable Mention</b>	Ally Manzanares	Sierra Grande Elementary School		<b><i>What's your mood?</i></b>
	<b><i>High School</i></b>	<b>First Place</b>	Asia Alarid	Monte Vista High School		<b><i>Neuron My Mind: Analysis of Different Brain Altering Substances on Student Performance</i></b>
		<b>Second Place</b>	Hailie Bradley	Alamosa High School		<b><i>Manipulation Of Music</i></b>
		<b>Third Place</b>	Maria Sears	Monte Vista High School		<b><i>Polio, HIV/AIDS, or Covid-19? What's the Difference?</i></b>
		<b><i>Middle School</i></b>				

***Biomedical  
Sciences***

***Elementary  
School***

<b>First Place</b>	William Walker	Monte Vista Middle School	<i>Is this for a grade?</i>
<b>Second Place</b>	Liam Lippus	Sierra Grande Middle School	<i>Does Caffeine help you type faster???</i>
<b>Third Place</b>	Syrenna Keeling	Monte Vista Middle School	<i>Windows to the Soul</i>
<b>Honorable Mention</b>	Sydney Curtis	Sargent Middle School	<i>Two Voices, One Mouth: A Study of Hearing</i>
<b>Honorable Mention</b>	Benjamin Voutsalath	Sargent Middle School	<i>Cell Phones: Problems for the Student Mind?</i>
<b>Honorable Mention</b>	Madeline Mitchell	Sargent Middle School	<i>Are You Really Prepared?</i>

***High School***

<b>First Place</b>	Kenley Mitchell	Sargent Elementary School	<i>Getting Dirty: Does Soil Affect a Dog's Microbiome?</i>
<b>Second Place</b>	Uriel Parra	Bill Metz Elementary School	<i>Stop the Spread, Save a Life</i>
<b>Honorable Mention</b>	Kayli Gurule	Justice Heritage Academy Elementary	<i>Copper vs. Aluminum - Which Attracts More Bacteria</i>
<b>Honorable Mention</b>	Clara Miller	Sanford Elementary School	<i>Who's Your Match?</i>
<b>First Place</b>	Joseph Benavides	Monte Vista High School	<i>The Inhibitory Effects of Platinum Compounds on K12 E. coli Growth</i>

***Botany***

<b><i>Middle School</i></b>	<b>Second Place</b>	Kashley Canty	Sanford High School	<b><i>Zap the Zit</i></b>
	<b>Honorable Mention</b>	Dhara Patel	Alamosa High School	<b><i>The More You Know the More You Grow</i></b>
	<b>First Place</b>	Jaylee Rodrigues	Sargent Middle School	<b><i>Rub, Rub Dub Just What's in your Tub</i></b>
	<b>Second Place</b>	Catherine Deacon	Sargent Middle School	<b><i>Are You Positive You're Positive</i></b>
	<b>Third Place</b>	Evan Enderle	Monte Vista Middle School	<b><i>Bacteria, Bacteria, Bacteria</i></b>
	<b>Honorable Mention</b>	Annika Butero	Monte Vista Middle School	<b><i>Dog Saliva vs Germs 2.0</i></b>
	<b>Honorable Mention</b>	Jason Gonzales	Sargent Middle School	<b><i>Bacteria Busters</i></b>
<b><i>Elementary School</i></b>	<b>Honorable Mention</b>	Slade Sowards	Centauri Middle School	<b><i>Sugar Rush</i></b>
	<b>First Place</b>	Tayler Horton	La Jara Elementary	<b><i>Keeping Flowers Fresh</i></b>
	<b>Second Place</b>	Aubree Taylor	Sierra Grande Elementary School	<b><i>How to keep flowers fresh</i></b>
<b><i>High School</i></b>				

*Chemistry*

<i>Middle School</i>	<b>First Place</b>	Carlos Ochoa-Marquez	Monte Vista High School	<i>Not Mushroom for Error: The Effect of Heavy Metal Toxicity on Solanum tuberosum, Cucurbita pepo, Medicago sativa, and Capsicum annuum Plants Inoculated with Mycorrhizae</i>	
	<b>Second Place</b>	Ernesto Ochoa	Monte Vista High School	<i>A Study of How Planting Distance Affects Medicago sativa Growth</i>	
	<b>Honorable Mention</b>	Rudy Valdez	Justice Heritage Academy High School	<i>Rays and Radiation</i>	
	<b>First Place</b>	Makenzie Consaul	Sargent Middle School	<i>Pantego Power?</i>	
	<b>Second Place</b>	Rylee Shirley	Sargent Middle School	<i>To Grow or Not To Grow</i>	
	<b>Third Place</b>	Westlea Tipsword	Mountain Valley Middle School	<i>Does Grey Grow Green?</i>	
	<b>Honorable Mention</b>	Skylar Fremouw	Monte Vista Middle School	<i>Musical Feelings</i>	
	<b>Honorable Mention</b>	Jacob Doyle	Sierra Grande Middle School	<i>Hydroponics</i>	
	<i>Elementary School</i>	<b>First Place</b>	Alex Dicker	Bill Metz Elementary School	<i>Gas Powered Boat!</i>
		<b>Second Place</b>	JuliAnna Medina	Bill Metz Elementary School	<i>Casein Plastic</i>

<b>High School</b>	<b>Third Place</b>	Liliana Villagomez	Bill Metz Elementary School	<i>Crazy Crystals</i>
	<b>Honorable Mention</b>	Anthony Gomez	Sierra Grande Elementary School	<i>Lava Lamps</i>
	<b>Honorable Mention</b>	Isaac Avila	Sangre De Cristo Elementary School	<i>Juicy Fruit</i>
	<b>Honorable Mention</b>	Alaina Huerta	Sierra Grande Elementary School	<i>Sugar Crystals</i>
<b>Middle School</b>	<b>First Place</b>	Emilio Martinez	Alamosa High School	<i>Project SP-8 (Sabatier Process to Infinity)</i>
	<b>Second Place</b>	Augustus Miller	Monte Vista High School	<i>Synthesizing Cellulose Acetate and Paper-Based-Plastic from Cellulose Derivatives to Produce a Biodegradable 3D Printable Filament</i>
	<b>Third Place</b>	Xavion Duran	Monte Vista High School	<i>Hair You Doing: An Analysis of the Effects of Heat and Protective Sprays on Different Hair Types</i>
	<b>Honorable Mention</b>	Celina Romero	Justice Heritage Academy High School	<i>Boost Your C's</i>
<b>Middle School</b>	<b>Honorable Mention</b>	Rachael Large	Justice Heritage Academy High School	<i>What Liquids Make Fruits Stay Fresher?</i>
	<b>Honorable Mention</b>	Avery Stockham	Justice Heritage Academy High School	<i>Extracting Metal from Bismuth Subsalyclate.</i>
	<b>First Place</b>	Tami Torgler	Sargent Middle School	<i>May The Force Be With You</i>

***Consumer  
Sciences***

***Elementary  
School***

**Second Place**  
**Third Place**  
**Honorable  
Mention**  
**Honorable  
Mention**  
**Honorable  
Mention**

Ryland Naranjo  
Jaxon Mortensen  
Kevin Sheffield  
Joselyn Mix  
Calvin Brown

Monte Vista Middle  
School  
Sanford Middle School  
Home School Middle  
School  
Ortega Middle School  
Sierra Grande Middle  
School

***Growing Gummy bears***  
***CORROSION***  
***Will it foam?***  
***Let There Be Bubbles!***  
***Extracting onion DNA***

***Middle School***

**First Place**  
**Second Place**  
**Third Place**  
**First Place**  
**Second Place**  
**Third Place**  
**Honorable  
Mention**

Wyatt Kiesel  
Makenna Casias  
Braydyn Barela  
Kinleigh Hathorn  
Kortney Johnson  
Austyn Johnson  
Harper Armstrong

Sierra Grande  
Elementary School  
Sanford Elementary  
School  
Bill Metz Elementary  
School  
Sargent Middle School  
Centauri Middle School  
Centauri Middle School  
Centauri Middle School

***Which battery Last Longer?***  
***Apple Anyone?***  
***Bad to the Bone Broadheads***  
***Will it Stick?***  
***Diaper Duty - No Leak is a Good  
Leak!***  
***Quest for the Best***  
***Catching Fire***

***Earth & Space  
Sciences***

***Elementary  
School***

***Engineering***

<b><i>High School</i></b>	<b>First Place</b>	Destrella Garcia	Bill Metz Elementary School	<b><i>Shoom! Can You Hear in Outer Space?</i></b>
	<b>First Place</b>	Valerie Goodland	Monte Vista High School	<b><i>You're Fired: An Analysis of Fire on Soil Sterilization and Hydrophobicity</i></b>
<b><i>Middle School</i></b>	<b>Second Place</b>	Jennica Hawkins	Sanford High School	<b><i>Shoot for the Stars</i></b>
	<b>First Place</b>	Parker Mitchell	Sargent Middle School	<b><i>What are you Breathing?: Radon Levels in Schools</i></b>
	<b>Second Place</b>	Durae Naranjo	Sargent Middle School	<b><i>What Is Really In Our Water?</i></b>
<b><i>Elementary School</i></b>	<b>Third Place</b>	Tara Robins	Centauri Middle School	<b><i>How Does the Moon Phase Effect How Many Stars are Visible</i></b>
	<b>Honorable Mention</b>	Tabias Pacheco	Monte Vista Middle School	<b><i>Worm track's</i></b>
	<b>First Place</b>	Riggins Ross	Bill Metz Elementary School	<b><i>Hydro to Hype You!</i></b>
	<b>Second Place</b>	Elijah Heuer	Mountain Valley Elementary School	<b><i>Bridges</i></b>
	<b>Third Place</b>	Jonathan Young	Mountain Valley Elementary School	<b><i>Rollin' Away</i></b>
	<b>Honorable Mention</b>	Cullen Mondragon	Sangre De Cristo Elementary School	<b><i>Can I get S'more Heat?</i></b>
	<b>Honorable Mention</b>	Ethan Fremouw	Bill Metz Elementary School	<b><i>Strength of Supports</i></b>

<b>Environmental Sciences</b>	<b>High School</b>	<b>Honorable Mention</b>	Ryder McConnaughay	Mountain Valley Elementary School		<i>Rube Goldberg</i>	
		<b>First Place</b>	Claire Seger	Monte Vista High School		<i>Utilizing 3D Printing Technology to Engineer Prosthetic Human Heart Valves</i>	
	<b>Middle School</b>	<b>Honorable Mention</b>	Lance Refior	Alamosa High School	Stephen Rigsbee		<i>How to Make the Best Catapult with Only One Bungee Cord</i>
		<b>First Place</b>	Rylen Ross	Monte Vista Middle School	Zaiden Villagomez		<i>Energy x Magnets</i>
		<b>Second Place</b>	Bryson Paulson	Sargent Middle School			<i>Arrow dynamic!</i>
		<b>Third Place</b>	Jessica Jackson	Sierra Grande Middle School			<i>Sun Baked Cookies</i>
		<b>Honorable Mention</b>	Donovan Heineman	Sargent Middle School			<i>Pull Your Weight (The Power of Pulleys)</i>
	<b>Honorable Mention</b>	Mathieu Dean	Monte Vista Middle School			<i>Canine Hearing Aids 2.0</i>	
	<b>Elementary School</b>	<b>First Place</b>	Branden Martinez	Sierra Grande Elementary School			<i>Does gray water affect plants?</i>
		<b>Second Place</b>	Valeria Bustamante	Haskin Elementary School	Yorley Padilla		<i>How Salty does the Sea Have to be for an Egg to Float</i>
	<b>High School</b>						



**First Place**

Hannah Shelton

Centauri High School

*Observing the Relationship between the Fuel Moisture Levels of Pinyon Pine and Sagebrush to Observed Precipitation Levels*

**Second Place**

Addison Roepke

Sargent High School

*Studying the Quality of Water In the San Luis Valley.*

**Third Place**

Tyler Kester

Sierra Grande High School

*Working Together: How does forage availability affect the stocking rate on native grass rangelands.*

***Middle School***

**First Place**

Sylvia Daugherty

Sargent Middle School

*Fuels Of The Future*

**Second Place**

Diana Villa

Monte Vista Middle School

*How fun is FUN-gi?*

**Third Place**

Brandon Kester

Sierra Grande Middle School

*Understanding the Effects of TDS, TSS, eColi and pH on Placer Creek*

**Honorable Mention**

Daylan Santillano

Sierra Grande Middle School

*Biotrash to Biogas*

**Honorable Mention**

Hunter Horton

Centauri Middle School

*Using Natural Structure to Reduce Erosion and Improve Riparian Habitat*

***Mathematics & Computers***

***Middle School***

**Physics**

**Elementary School**

<b>First Place</b>	Liam Griffin	Sargent Middle School
<b>Second Place</b>	Trevlyn McClendon	Monte Vista Middle School
<b>Third Place</b>	Jossilyn Wagar	Monte Vista Middle School

***Running Low on Water: Formula for the Future***

***dash world***

***Picture Time!***

<b>First Place</b>	Isaac Noller	Bill Metz Elementary School
<b>Second Place</b>	Zario Acosta	Bill Metz Elementary School
<b>Third Place</b>	Lilli Marquez	Bill Metz Elementary School
<b>Honorable Mention</b>	Santiago De La Torre	Sierra Grande Elementary School
<b>Honorable Mention</b>	Davian Martinez-Lauro	Bill Metz Elementary School
<b>Honorable Mention</b>	Jessamy Corona	Sierra Grande Elementary School

***Does Size and Shape Matter? How Much Weight can a Foil Boat Take?***

***Home Runs!***

***Shoot!***

***Potato Battery***

***Crazy Catapult***

***Pencil Resistors***

**High School**

<b>First Place</b>	Addison Mondragon	Monte Vista High School
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***Flourenheit: Does the Type of Flour Have an Effect on It's Flammability?***

**Zoology**

**Elementary School**

**First Place**

Cysco Claunch

Bill Metz Elementary School

*Does Egg Size Matter?*

**Second Place**

Kayla Douglas

Sierra Grande Elementary School

*Does temperature effect the hatching of silkworms?*

**Third Place**

Jayir Gonzalez

Sierra Grande Elementary School

*Do Goats Like to Eat?*

**Honorable Mention**

Max Hernandez

Mountain Valley Elementary School

*Guinea Pig's Favorite Food*

**Middle School**

**First Place**

Rhett Taylor

Centauri Middle School

*Battle of the Tape. Which Tape Has the Strongest Tensile Adhesive Strength?*

**Second Place**

Treven Roepke

Sargent Middle School

*Thrust is a Must - Efficient Propeller Design.*

**Third Place**

Edynn Jackson

Centauri Middle School

Braelynn Shawcroft

*How Much Water Does a Green Board Have Versus a Dry Board?*

**Honorable Mention**

Brayden Norris

Sargent Middle School

Nathen Smith

*Sharp Shooters*

**Honorable Mention**

Analynn Dwyer

Centauri Middle School

Alaysha Silva

*Durability of a Volleyball*

**Second Place**

Zane Villeda

Monte Vista High School

*Applications of quantum locking enabling regulated, frictionless spatial movement*

*High School*

**First Place**

Marissa Martinez

Monte Vista High School

*The Efficacy of Abiotic/Biotic Factors and Trap Design for Effective Capture of Invasive American Bullfrog Tadpoles (*Lithobates catesbeianus*)*

**Second Place**

Abigail Adams

Alamosa High School

*You Can't Teach an Old Horse New Tricks*

*Middle School*

**First Place**

Kandace Pargin

Sargent Middle School

Kimberly Pargin

*Weight Watchers: Determining if water quality or better genetics creates better average daily gain in cattle.*

**Second Place**

Jaelie Jaminet

Sanford Middle School

*It's Getting Hot in Here*

**Third Place**

Taylor Adams

Sargent Middle School

Kaylee Voss

*Getting to the Heart of the Matter*

**Honorable  
Mention**

Alexis Gonzales

Monte Vista Middle  
School

*The Durability Genes*

**Honorable  
Mention**

Alexis Ochoa Marquez

Monte Vista Middle  
School

*How far can dogs hear us?*