

<b>Elementary Division Grades 4-5</b>				
Registration	Name (s)	School Site	County (10)	Placing
<b>Behavioral &amp; Social Science</b>				
What Music Distracts People the Most?	Charvi Mannepli	Wilson	<input type="checkbox"/>	Second
Does the Color of Food Affect Perceived Flavor?	Silas Duplechain	Ben Franklin	<input type="checkbox"/>	Second
Roller Coaster Thrills	Zoe Barksdale	Corona Ranch	<input type="checkbox"/>	Third
Who is more likely to immediately take their mask off when leaving a store, a man or woman?	Jackson Blair	Corona Ranch	<input checked="" type="checkbox"/>	First
Reminders through voice assistant help kids and parents	Rohit Satheeshkumar & Roshan Satheeshkumar	Susan B	<input type="checkbox"/>	Third
What Type of Cup Keeps Water the Coolest?	Mikel Cuesta	Eisenhower	<input type="checkbox"/>	Third
<b>Biochemistry</b>				
Water the Plants! Add Sugar?	Meriline Gutierrez	Garretson	<input type="checkbox"/>	Third
Popcorn Rehydration	Hunter Armstrong	Temescal Valley	<input type="checkbox"/>	Third
More Bang in Your Coffee!	Luke Baron & Vivian Lee	Temescal Valley	<input checked="" type="checkbox"/>	First
What difference do different flours make in baking cupcakes?	Audrey Nina Torres	Harada	<input type="checkbox"/>	Second
Which Corn Chip has the Most Grease?	Daniel Henderson & Myles Martin	Eisenhower	<input type="checkbox"/>	Second
The Power of Air Pressure	Lois Kimm	Susan B	<input type="checkbox"/>	Third
<b>Cellular &amp; Molecular Biology</b>				
Egg Osmosis	Kaya Rasmussen & Olivia Fanning	Ben Franklin	<input type="checkbox"/>	Second
<b>Chemistry</b>				
Theres Nothing Shrimpy About Poisoning Our Oceans	Kathryn Glenny	Clara Barton	<input checked="" type="checkbox"/>	First *Sweepstakes Winner*
Making Different Liquids with Coke	Aiden Hand	Garretson	<input type="checkbox"/>	Third
Underwater Fireworks	Ryan Silva	Garretson	<input type="checkbox"/>	Third
What is the Easiest Way to Get Slime Off Fabric?	Isaac Chu	Norco El	<input type="checkbox"/>	Third
How Can Highlighters Be Erased	Addilyn Found	Orange	<input type="checkbox"/>	Second
Apple Oxidation	Summer Suleiman	Eisenhower	<input type="checkbox"/>	Second
Why do different colors stay seperate in oil, not water?	Afzaal Ahmed	McKinley		Third
When one pine closes another one opens`	Samantha McCracken	McKinley		Third
The Egg Collapse	Jayden Garcia	McKinley		Third
<b>Earth &amp; Planetary Sciences</b>				

Does Putting Leaves on Top of Topsoil Prevent Erosion?	Jack Carroll	Wilson	<input checked="" type="checkbox"/>	First
<b>Engineering, Electrical &amp; Mechanical</b>				
The Shocking Truth: Static Electricity and How to Avoid It	Emily Cypher	Corona Ranch	<input checked="" type="checkbox"/>	First
Electricity Flows in Water	Alejandro Pena	Riverview	<input type="checkbox"/>	Third
<b>Engineering, Energy &amp; Transport</b>				
Does the material of the paper airplane launcher affect the propulsion of the paper airplane?	Srinivasan Harini Sudharsan	Rondo	<input checked="" type="checkbox"/>	First
<b>Engineering, Materials &amp; Bioengineering</b>				
Blocking the Signal	Emily Roman	Garretson	<input checked="" type="checkbox"/>	First
How Do You Erupt a Bling, Bling Volcano?	Valerie Luna	Orange	<input type="checkbox"/>	Third
<b>Environmental Science &amp; Management</b>				
G. Mellonella: A Solution to Plastic	Ankitha Garuadapuri	Clara Barton	<input type="checkbox"/>	Third
<b>Health &amp; Medical Sciences</b>				
Heart Pump Model	Bommineni Sai Srinika	Norco EI	<input type="checkbox"/>	Third
How Sugary Drinks Affect Teeth	Hania Rana	Wilson	<input type="checkbox"/>	Second
What antacid is the best at neutralizing acid?	Nithish Parkash	Rondo	<input checked="" type="checkbox"/>	First
<b>Microbiology</b>				
Best Soap	Grace Poore	Garretson	<input type="checkbox"/>	Third
Do you Spray, Wipe or Pump?	Miranda O'Hara	Ben Franklin	<input type="checkbox"/>	Second
Should I Wear This Again? Does reusing your mask after it has been worn affect the amount of germs on the mask?	Lincoln Usher	Eastvale	<input checked="" type="checkbox"/>	First
<b>Physics &amp; Astronomy</b>				
What is the difference in EMF readings in various rooms and when they are being charged as opposed to unplugged?	Sebastian Baca	HGA	<input type="checkbox"/>	Third
Glide and Fly	Matthew Lewis	Susan B	<input type="checkbox"/>	Second
<b>Plant Science</b>				
Powering Farming with Probiotics and Earthworms	Arav Randhawa & Avijeet Randhawa	Garretson	<input checked="" type="checkbox"/>	First
Does Acid Rain Affect the Growth of Aquatic Plants?	Austin Liu	Norco EI	<input type="checkbox"/>	Third

Balanced Nutrients - The Key to Plants Survival	Avanthika Reddy Samala	Rondo	<input type="checkbox"/>	Second
Finding The Best Water For Our Bell Pepper Plants	Charleigh Barker, Chloe Er & Morgan Kimm	Susan B	<input type="checkbox"/>	Second

<b>Junior Division Grades 6-8</b> *Not all projects entered recieved placing*				
Registration	Name (s)	School	County (17)	Placing
<b>Animal Science</b>				
Dog Paw Dominance	James Glenny & Andrew Glenny	Ramirez	<input checked="" type="checkbox"/>	First
Nanosilver, Naughty or Nice?	Saicharan Undi	Raney	<input type="checkbox"/>	Second
Which kind of diet: carbs, fats, or proteins, will maximize the lifespan of a fruit fly?	Nimmer Kaur	CFIS	<input type="checkbox"/>	Second
Home Sweet Home for a Mealworm Which type of habitat works best for a mealworm?	Megan Witte	CFIS	<input type="checkbox"/>	Third
How does the change in lighting conditions affect the rate of metamorphosis in mealworms?	Katelyn Stahl	CFIS	<input type="checkbox"/>	Third
<b>Behavioral &amp; Social Science</b>				
How do fonts affect a text's readability?	Aaliyah James	Stallings	<input type="checkbox"/>	Second
Is it What You Say or How You Say It?	Jacob Cassara	Wilson	<input type="checkbox"/>	Third
Can Highlighters Effectively Boost Short-Term Memory Recall	Nizmund Mananad & Azmund Mananad	Rondo	<input checked="" type="checkbox"/>	First
Scoring High in the Classroom!	Samara Sarep	Home Gardens	<input type="checkbox"/>	Third
Does Timing When an Advertisement is Shown Help?	Andrea D'cruz	Ramirez	<input type="checkbox"/>	Second
<b>Biochemistry</b>				
Aah! Brown Apple! Which material will best preserve an apple slice?	Abril Barros	Stallings	<input type="checkbox"/>	Second
Do Foods Pass Gas?!?	Morgan Yi	Raney	<input checked="" type="checkbox"/>	First
In What Conditions Do Bananas Ripen The Fastest	Carlos Plascencia		<input type="checkbox"/>	Third
Does Light Affect the Rate at which Food Spoils?	Alexandria Olmedo	Raney	<input type="checkbox"/>	Second
<b>Chemistry</b>				
What's Poppin' ? What brand of popcorn pops the most amount of kernels?	Anakin Tolman	Franklin	<input type="checkbox"/>	Third
What solution will give me the biggest lichtenberg figure.	Leonardo Bugarin	Home Gardens	<input checked="" type="checkbox"/>	First
How will the pH of drinking water vary depending on the cup material?	Sridruthi Kavuri	Ramirez	<input type="checkbox"/>	Second
Performance of a Zinc Air Battery	Mahima Mangamuri	Ramirez	<input type="checkbox"/>	Third
What will happen when you put an egg in vinegar for 24 hours?	Damarius Cain	Mckinley	<input type="checkbox"/>	Third
Now you see it,now you dont! How do acidic waters make limestone rocks dissappear?	Hayden Herron	Mckinley	<input type="checkbox"/>	Second

<b>Earth &amp; Planetary Sciences</b>				
Does changing the order of the layers in a water filter affect the pH level of the water?	Giselle Baragan	Citrus Hills	<input checked="" type="checkbox"/>	First
<b>Embedded Systems</b>				
What Material Would Best Protect People with Pacemakers from a Wifi Signal?	Asha Zachariah	Franklin	<input checked="" type="checkbox"/>	First
<b>Engineering, Electrical &amp; Mechanical</b>				
Can you build a cleaner, fuel efficient and less costly race car engine?	Dhyannah Thakor	Harada	<input checked="" type="checkbox"/>	First
Whats a Better Homemade Charger?	Mia Morales	Harada	<input type="checkbox"/>	Third
Fruit As A Power Source	Raquel Tapia	Harada	<input type="checkbox"/>	Third
Can magnets, copper coil and batteries produce electricity?	Mario Ruedas	Harada	<input type="checkbox"/>	Third
Thermal Conductivity of Metals	Callie Wu	Ramirez	<input type="checkbox"/>	Second
<b>Engineering, Energy &amp; Transport</b>				
Does the texture of the marshmallow affect how far it will be launched in a catapult?	Xitlaly Espinoza	Stallings	<input type="checkbox"/>	First
<b>Engineering, Materials &amp; Bioengineering</b>				
The Unmatched Strength of Arched Beams	Damian Maher	Eastvale	<input checked="" type="checkbox"/>	First
Apple Wrecking Ball	Iris Esproles	Harada	<input type="checkbox"/>	Third
Waste to Watts: Microbial Fuel Cell	Nikhil Reddy	El Cerrito	<input type="checkbox"/>	Second
Effectiveness of Common Materials to Redirect Magnetic Fields	Andrew Lin	Raney	<input checked="" type="checkbox"/>	First
<b>Environmental Science &amp; Management</b>				
Preventing trash from going down storm drains	Sophia Baca	Home Gardens	<input checked="" type="checkbox"/>	First
How Can We Stop Ocean Acidification? Restoring the Ocean's pH	Sophie Quezada	Raney	<input checked="" type="checkbox"/>	First
<b>Health &amp; Medical Sciences</b>				
Will 6 ft Still Make You 6 Feet Under?	Ritam Arya	Corona Ranch	<input type="checkbox"/>	Third
Drug Solubility	Eva Nava	Home Gardens	<input type="checkbox"/>	Second
Easy Clean or Easy Money... Does Whitening Toothpaste or Regular Toothpaste Whiten Better?	Aaya Kisswani	Raney	<input type="checkbox"/>	Second

Probiotic Power: How Does Yogurt Impact the Lifespan of Fruit Flies?	Lara Randhawa	Auburndale	<input checked="" type="checkbox"/>	First *Sweepstakes Winner*
<b>Microbiology</b>				
Do Masks Help Prevent the Spread of Germs?	Brayden Fraser	Citrus Hills	<input type="checkbox"/>	Second
Ew, Acne!	Noelle Nguyen	Raney	<input type="checkbox"/>	Third
Where the Wild Things Grow.	Umaima Asad	Raney	<input type="checkbox"/>	Second
What will kill the most E. coli bacteria colonies: amoxicillin antibiotic, bacteriophage, or both of them combined?	Aria Panjabi	CFIS	<input type="checkbox"/>	Second
Can garlic be used as an antibacterial ingredient?	Minnah Shaikh	CFIS	<input checked="" type="checkbox"/>	First
<b>Physics &amp; Astronomy</b>				
Rocketology: Vinegar+Baking Soda= Take off	Aldo Paxtor & Miguel Macias	Home Gardens	<input type="checkbox"/>	Second
Viscosity is Shocking! How does viscosity affect the damping on a mountain bike shock?	Jinu Zachariah	CFIS	<input checked="" type="checkbox"/>	First
<b>Plant Science</b>				
The Power of Speech: Does Positive and Negative Speech Affect a Plant's Growth?	Brianna Crocker	Citrus Hills	<input type="checkbox"/>	Third
Discovering New Techniques of Generating Charge from Plants	Alena Talreja	Ramiez	<input checked="" type="checkbox"/>	First
Fire Retardant and Native Plant Growth	Mitchell Espinosa	Rondo	<input checked="" type="checkbox"/>	First
A Spider, A Snake, a Devil, and a Palm Walk into a Room...	Nalika Kavia	Raney	<input type="checkbox"/>	Second
What is the Effect of Acid Rain on Plant Germination?	Vanessa Xu	Raney	<input type="checkbox"/>	Second
<b>Systems Software</b>				
Moods, Messages, and Mental Health	Zachary Brasher & Danni Brasher	Ramirez	<input checked="" type="checkbox"/>	First

<b>Senior Division Grades 9-12</b> *Not all projects entered recieved placing*				
Registration	Student Name (s)	School	County (25)	Place
<b>Animal Science</b>				
A Novel and Effective Tool in Mosquito Control?	Sarah Stutsman	Corona	<input checked="" type="checkbox"/>	First
Metal Nanoparticles vs. D. Magna	Ajandini Srirajan & Loyna Rism	Centennial	<input checked="" type="checkbox"/>	First
Brine Shrimp Hatch Rates	Aida Albitar & Juan Corona	Centennial	<input type="checkbox"/>	Third
Planaria Regeneration	Trinity Shaker & Sreeitha Palle	Centennial	<input checked="" type="checkbox"/>	Second
<b>Behavioral &amp; Social Science</b>				
Colorful Memories	Jordyn Blair & Rylee Coomber	Santiago	<input type="checkbox"/>	Second
Age vs. Peripheral Vision	Zakiriya Syed	Centennial	<input checked="" type="checkbox"/>	First
<b>Biochemistry</b>				
Bittersweet Solution	Anubhav Chandla & Konmal Ali	Centennial	<input checked="" type="checkbox"/>	First *Sweepstakes Winner*
Ethanol Production by Yeast	Loraine Angelica Ramos		<input type="checkbox"/>	Second
<b>Cellular &amp; Molecular Biology</b>				
E. Coli - plasmid transfer	Anisha Prasad	Centennial	<input checked="" type="checkbox"/>	First
<b>Chemistry</b>				
Dissolving Plastics	Rachelle Kim	Centennial	<input checked="" type="checkbox"/>	First
<b>Computational Bio/Bioinformatics</b>				
A Deep Learning Approach to Correlating Neurodegenerative Disease, Chronic Illness, And Environmental Factors	Dimple Amitha Garuadapuri	Roosevelt	<input checked="" type="checkbox"/>	First
Computer programming & Disease Detection	Victor Xiao, Ryan Friedman, & Shivansh Soni	Centennial	<input checked="" type="checkbox"/>	Second
<b>Earth &amp; Planetary Sciences</b>				
Craters analysis	Jellah Mae Corteza	Centennial	<input checked="" type="checkbox"/>	First
<b>Embedded Systems</b>				
Vision Zero: A Future without alcohol impaired abilities utilizing deep learning and computer vision.	Jeewan Kaur	Roosevelt	<input checked="" type="checkbox"/>	First
			<input type="checkbox"/>	
<b>Engineering, Electrical &amp; Mechanical</b>				
Wind Powered Phone Charger	Tanisha Vatandar, Jasmeet Gill, & Jasminne Ancira	Centennial	<input checked="" type="checkbox"/>	Second

PV Cells	Khushi Kumar	Centennial	<input checked="" type="checkbox"/>	First
<b>Engineering, Energy &amp; Transport</b>				
Which Fan Shape Produces The Most Energy?	Carson Ruhnke	Santiago	<input checked="" type="checkbox"/>	Second
Reducing AC Unit Energy	Ellorie Anne Mariano	Centennial	<input checked="" type="checkbox"/>	First
Windmill efficiency	Laila Snow	Centennial	<input type="checkbox"/>	Third
<b>Engineering, Materials &amp; Bioengineering</b>				
Solar Powered Charger				
Where's My Mask?	Mason Torres	Corona	<input checked="" type="checkbox"/>	First
Mass vs shapes: Pisa	Danette Portillo	Centennial	<input type="checkbox"/>	Third
Alternative to Copper	Madison Sacriste	Centennial	<input checked="" type="checkbox"/>	Second
<b>Environmental Science &amp; Management</b>				
Oil Spill Clean up	Itati Ceja	Centennial	<input checked="" type="checkbox"/>	First
Eggshells as Biodiesel Catalysts	Victoria Nguyen		<input type="checkbox"/>	Second
Mask Decomposition	Corrine Morgan	Centennial	<input type="checkbox"/>	Third
<b>Health &amp; Medical Sciences</b>				
Unmasking the Link Between Obesity and the Dust in Our Homes	Aisha Randhawa	Corona	<input checked="" type="checkbox"/>	First
An Investigation of Endotracheal Tube Biofilm Formation in the Development of Ventilator-Associated Pneumonia	Elizabeth Ramos, Harshikasi Kellampalli, & Sanskriti Balaji	Roosevelt	<input checked="" type="checkbox"/>	Second
Mask Analysis	Ruben Servin	Centennial	<input type="checkbox"/>	Third
<b>Mathematics</b>				
Mathematically Modeling Energy and Length Breakdown for Large Amounts of Paper Folding	Ozair Usmani	Santiago	<input type="checkbox"/>	First
<b>Microbiology</b>				
Household Disinfectants Against Bacteria	Krish Raval	Santiago	<input type="checkbox"/>	Second
Hormone vs Fibrosuppression	Emelie Hernandez & Isis Mejia	Centennial	<input checked="" type="checkbox"/>	First
<b>Physics &amp; Astronomy</b>				
Particle Collider	Abdul Mevawala & Carlos Zavala	Centennial	<input checked="" type="checkbox"/>	First
Friction vs Temperature	Kiana Martinez	Centennial	<input type="checkbox"/>	Second
Arrow vs. Speed & Mass	Sherlyn Vargas	Centennial	<input type="checkbox"/>	Third
Slit size vs. Wavelength	Tej Vora	Centennial	<input type="checkbox"/>	Third

<b>Plant Science</b>				
Maximizing Food Production III: Will permanent shading affect the growth of edible zucchini plants?	Owen Joyce	Corona	<input checked="" type="checkbox"/>	First
<b>Robotics/Intelligent Machines</b>				
The Art of Robotics	Isacc Burgess #379387	Santiago	<input type="checkbox"/>	First
<b>Systems Software</b>				
Seeing Reality	Thomas Rife & August Wetterau	Roosevelt	<input checked="" type="checkbox"/>	First
Nutritional Information with Machine Learning	Derek Hsich	Centennial	<input checked="" type="checkbox"/>	Second