

Senior Division	2024	CNUSDSEF			
Student Names	Grade	Title	High School Site	Project Category	Award
Si-Jing Yan	9th Grade	Pavlovian Response: Its Effect on Memory	Centennial High School Sunny Kaura Lindsay Stotts	Animal Science	1st-County
Katelyn Dulco	10th Grade	Does a horse's speed affect the amount of times the horse skids during a sliding stop?	Corona High School Coleen Holtz	Animal Sciences	2nd
Sayaka Shigematsu Keila Goodall	11th Grade	Water Quality: Low Income vs High Income Neighborhoods	Centennial High School Sunny Kaura Lindsay Stotts	Behavioral and Social Sciences	1st-County
Lindsey Young	11th Grade	The Compared Effectiveness of Natural Treatments on Depressed Drosophila Melanogaster	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Behavioral and Social Sciences	2nd
Jadon Causing Rei Ku	11th Grade	Stay in Your Lane: Examining Player Response to Username Across Roles in Multiplayer Gaming	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Behavioral and Social Sciences	3rd
Nicholas Armstrong	11th Grade	Cooking Grease and Correlation to Blood Pressure and Heart Health	Centennial High School Sunny Kaura Lindsay Stotts	Biochemistry	1st-County
Lauren Ho	9th Grade	Sweat, No Mosquitoes: A Novel Combination Repellent That's Safe and Effective	Centennial High School Sunny Kaura Lindsay Stotts	Biochemistry	2nd
Madison Nee	9th Grade	Changing the Glucose Sugar Levels of Rice	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Biochemistry	3rd
Anantvir Singh Derek Zhang Arif Rahman	10th Grade	Optimized Distributed Gradient Boosting Models in Cancerous Pancreatic Adenocarcinomas Detection As Opposed to Invasive Models	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Computational Biology and Bioinformatics	1-County

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Angelina Yang	12th Grade	Fabrication and In-Depth Evaluation of Reconfigurable Metallo-Polyelectrolyte Complexed Gels for Heavy Metal Ion Filtration	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Chemistry	1st-County
Julie Vu Mia Martinez	11th Grade	Fly Trap Making	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Chemistry	2nd-County
Zaima Khan	9th Grade	How do varying amounts of Muriatic Acid affect the amount of Bismuth extracted from Pepto Bismol Pills?"	Corona High School Coleen Holtz	Chemistry	3rd
Clara Nguyen Aria Panjabi	10th Grade	Mimicking Biomechanics: Developing	Centennial High School Sunny Kaura Lindsay Stotts	Engineering, Electrical and Mechanical	1st-County
Harleen Virk	9th Grade	Wired for Sustainability: Minimizing Copper in Vehicles	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Engineering, Electrical and Mechanical	2nd-County
Vy Bao Brian Mendiola Sofia Ojeda	11th Grade 10th Grade 11th Grade	Redesign of Electrical Kinetic Energy Recovery System (KERS) in Bicycles	Centennial High School Sunny Kaura Lindsay Stotts	Engineering, Electrical and Mechanical	3rd
Krrishika Saxena Ishita Saxena	12th Grade 9th Grade	Engineering of a Chemiresistor Hydrocarbon Sensor to Detect Liver Cirrhosis Biomakers From The Exhaled Breath	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Engineering, Materials and Bioengineering	1st-County
Benjamin Ngo	11th Grade	Phytoremediation: The Ability of Lemna Minor to Remove Copper and Lead	Centennial High School Sunny Kaura Lindsay Stotts	Engineering, Materials and Bioengineering	2nd-County

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Zeth Batulan	11th Grade	Evaluating the most optimal structure base in different soil types against effects of Natural Disasters	Centennial High School Sunny Kaura Lindsay Stotts	Engineering, Materials and Bioengineering	3rd-County
Gurnoor Kaur	10th Grade	The Prevention of Iron Corrosion and Oxidation Through the Use of Gree Inhibitors	Centennial High School Sunny Kaura Lindsay Stotts	Environmental Sciences and Management	1st-County
Isabella Ta Sheccid Gaeta	11th Grade	Your Contamination is Causing My Radish Decimation	Centennial High School Sunny Kaura Lindsay Stotts	Environmental Sciences and Management	2nd-County
Ava Mathews Porscha Sanabia	11th Grade	Microplastics in Marine Organisms	Santiago High School Tracy Espinoza	Environmental Sciences and Management	3rd
Ajandini Srirajan Carol Han	12th Grade	underwater mechanics - investigating impact of design on rov performance	Centennial High School Sunny Kaura Lindsay Stotts	Engineering: Energy and Transport	1st-County
Abigail Ferreira-Copat Erica Lam	12th Grade	Conversion of Plant-Bsed Oils to Biodiesel	Centennial High School Sunny Kaura Lindsay Stotts	Engineering: Energy and Transport	2nd
Lara Randhawa	10th Grade	Salt Overload: Investigating the Hidden Impacts of Sodium on Weight and Lifespan	Corona High School Coleen Holtz	Health and Medical Sciences	1st-County
Joel Philip	12th Grade	Docetaxel-Resistance in Prostate Cancer Cells Exhibit Selective Cross-Resistance to DNA-Damaging Agents	Centennial High School Sunny Kaura Lindsay Stotts	Health and Medical Sciences	2nd-County
Justin Choi	10th Grade	Which method of brewing coffee has the least amount of microplastics?	Centennial High School Sunny Kaura Lindsay Stotts	Health and Medical Sciences	3rd

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Nimmer Kaur	10th Grade	Beyond Bits and Bytes: Navigating Quantum Computing's Impact on Security and Decrypting Classical Encryption	Centennial High School Sunny Kaura Lindsay Stotts	Mathematics	1st-County
Haoyuan Wang (Sirius)	11th Grade	Characterization and Isolation of Canis, a novel E. coli and salmonella jumbo phage from human gut wastewater	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Microbiology	1st-County
Jubilee Yu	11th Grade	Antimalarial Targeting of PfRAP01 and PfRAP21 in Human Malaria Parasite Plasmodium Falciparum Through Drug Repurposing	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Microbiology	2nd-County
Abhinav Siram	11th Grade	Analyzing the Antimicrobial Potential of Performance Supplement: An In Vitro Analysis	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Microbiology	3rd
Benjamin Johnson	12th Grade	Angular Momentum Based Reaction Control System	Centennial High School Sunny Kaura Lindsay Stotts	Physics and Astronomy	1st
Elizabeth Mattar Samantha Floyd	11th Grade	How Much UV Pigment Is In Certain Hydroponic Household Flower Petals?	Corona High School Coleen Holtz	Plant Sciences	1st-County
Vinaya Ayinampudi	10th Grade	Analysis and Detection of Down Syndrome in Children using Various Machine Learning Classification Techniques and Deep Convolutional Neural Networks	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Robotics and Intelligent Machines	1st-County

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Alejandra Cervantes Ethan Tran James Zheng	11th Grade	Bit by Bit	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Systems Software	1st-County
Anderson Guan Ohm Mishra	11th Grade	Continuation of Development of Online Student Tutoring Application	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	System Software	2nd-County
Ayush Moghe Madison Saldana Nil Patel	12th Grade	Creating an eVisit Service for Under served Communities	eSTEM/Roosevelt HS Linda Ho Lindsay Moulton	Systems Software	3rd-County
Connor Kim Taeksoo Kwon	12th Grade	Efficacy of Utilizing Large Language Models to Detect Public Threat Posted Online	Centennial High School Sunny Kaura Lindsay Stotts	Systems Software	3rd-County