

Special Awards	
American Psychological Association	Eye Sensitivity to Color Virginia Day & Xiomara Landa
Association for Women Geoscientists	Surfs up, Oh No! Juliana Martinez
U.S. Environmental Protection Agency	Effect of Saline Environment on Seeds Growth Vihaan Rajput
NASA Earth System Science Award 2023	How does air quality change the further it gets from the ocean Olivia Parker Alayna McLendon
NOAA Pulse of the Planet	Ocean Acidification: Its Effects of Acid on Oyster Shells Ashlynn Addison
Ricoh Sustainable Development Award	Cleaning Water Paxton Kidd
US Agency for Int'l Development	Dancing LAYdies Jaycee Johns
US Metric Association	A Novel, Cost-Effective, and Sustainable Solution to CO2 Pollution Soaham Kumar
Yale Science & Engineering Association, Inc.	Using Machine Learning to Detect Distracted Driving Lucas Walker
Regeneron Biomedical Science Award	Discovering of a Novel Artificial Intelligence-Based Targeted Therapeutics for the Treatment of Triple Negative Breast Cancer Priyam Kumar

National Geographic That's Geography	Effect of Saline Environment on Seeds Growth Vihaan Rajput
US Stockholm Jr. Water Prize	Is Water Cleaner on the Other Side? Kayley Ford
US Stockholm Jr. Water Prize	Ocean Acidification: It's Effects of Acid on Oyster Shells Ashlynn Addison
US Stockholm Jr. Water Prize	How clean is your water? Serenity Lopez & Isabella Sandoval
Director's Choice for Team	Goo Be Gone Ayden Castillo, Matthew Escalona, Rafael Porfirio
Junior Division	
Animal Science (ANIM)	
Third Place	Can You Teach an Old Dog New Tricks? Tony Cantu
Second Place	Chum Bytes Aaron Rodriguez
First Place	The Dancing LAYdies Jaycee Johns
Behavioral & Social Sciences (BEHA)	
Third Place	Stroop Effect Brenda Martinez
Second Place	Technology and Learning Ruben Jaanus Cantu
First Place	Music and Mood Kairi Spencer

Biochemistry (BCHM)	
Third Place	Electrolyte Power Cesar Silva
Second Place	Burning Biofuels Michael Udoh
First Place	Electrolyte Showdown Cassidy Maloney
Biomedical & Health Sciences (BMED)	
Third Place	Pain Reliever Dissolve Times: Brand vs Generic Terra Morales
Second Place	Catch Your Breath! The Difference in Forced Vital Capacity Between Female Middle School Volleyball and Cross Country Athletes Evelyn Engle
First Place	Under Pressure Josiah Pounds
Chemistry (CHEM)	
Third Place	What is the Best Filtration Device for Filtering Water? Violet Sanchez
Second Place	Testing the Scrub-ability of Materials on Paint Evelyn Lovelady
First Place	Which Battery is Most Conductive? Jared Herrera
Earth & Environmental Sciences (EAEV)	

Third Place	Temperature and Vegetation Pier Carlo Perotto
Second Place	Industrial Environmental Waste Zairah Qadri
First Place	How Does Air Quality Change the Further it Gets From the Ocean Olivia Parker Alayna Mc Lendon
Embedded Systems (EBED)	
Third Place	Increasing Connectivity Logan Davis
Second Place	Infinity Mirror Hobbes Rogers
First Place	RFID Blocker Carina Sanchez
Energy: Sustainable Materials & Design (EGSD)	
Third Place	Solar for the World William Sambrano Ryan Flores
Second Place	Battery Temperature: Does it make a difference Isabelle Ashby
First Place	Go the Speed of Solar Nicholas Ryan Kyle Herndon
Engineering Technology: Statics & Dynamics (ETSD)	
Third Place	Bridge Strength

	Kirsten Jacquez
Second Place	Wheel Test Lauren Aguirre
First Place	Cruising Along Berea Klaus
Environmental Engineering (ENEV)	
Third Place	Sunny Driving Chrissiah Reyes
Second Place	Goo Be Gone Rafael Porfirio Matthew Escalono Ayden Castillo
First Place	A Novel, Cost Effective and Sustainable Solution to CO2 pollution Soaham Kumar
Mathematics (MATH)	
Third Place	Paper Beats Rocks Harriet Cacho
Second Place	Mathematical Stimulation of COVID-19 Maria Ustymenko
First Place	Do Angles Matter Brooklyn Wall
Material Science (MATS)	
Third Place	Magnetism and Temperature Rowan Ashby
Second Place	Wireless Charging: Does it Deteriorate Your Phone Case Ethan Cronkhite

First Place	Bring on the Heat Vivian Hans
Microbiology (MCRO)	
Third Place	
Second Place	Egg-cellent Teeth Maelee Gomez
First Place	Pets vs. People Eli Luna
Physics & Astronomy (PHYS)	
Third Place	Solid, Liquid, Gas: Popping Candy and Soda Experiment Brylee Perkins
Second Place	To Heat or Not to Heat Which Color is the Question Emmaline Narron
First Place	Spin Effect Elijah Vargas
Plant Sciences (PLNT)	
Third Place	Vibrant Veggies Alberto Belleza Zuriel Pastoriza
Second Place	Go Go Grow Zoe Garza
First Place	Hydroponics Gardening Without Soil Sveva Fuentes
Robotics & Intelligent Machines (ROBO)	

Third Place	
Second Place	Hovercraft Mandalyn Puebla, David Hinojosa Kaden Hardeman
First Place	Martian Plants Chad Aguilar & Gavin Lopez
System Software (SOFT)	
Third Place	Mind the Gap Peyton Porche
Second Place	Air Gapped: Hackers stealing your information and an explanation of how they do it Alyson Gonzalez
First Place	Is My Wifi Secure? Dana Kim
Translational Medical Science (TMED)	
Third Place	Mindful Eating Hayley Rodriguez
Second Place	Video Games Cristian Zamora
First Place	Football Safety: Does a Helmet Protect the Brain Luke Lamb
SENIOR DIVISION	
Behavioral & Social Sciences (BEHA) (3)	
Second Place	How does weather change mood?

	Xiomara Landa
First Place	Eye Sensitivity to Color Virginia Day & Matthew Zamora
Biomedical & Health Sciences (BMED) (4)	
Third Place	Let's Make the Next Generation Vaping Free Rukmini Surnedi
Second Place	How much sugar do you really eat? Madeline Dye
First Place	Translational Approach to Develop N-Acetylneuraminic acid (New5Ac) as Biomarker for the Diagnosis for Alzheimer's Sharmada Palakurthu
Biochemistry (BCHM) (1)	
First Place	Evaluate the antimicrobial efficacy of aloe vera Esmi Dorantes Joe Medina
Biomedical Engineering (ENBM) (1)	
First Place	Heat Screen: A Novel Approach to Monitoring Heat Stress Cuauhtemoc Zamora
Chemistry (CHEM) (1)	
First Place	The Strength of Voltage Resulting from Varying Combination of Metals in Galvanic Cells James Dye
Embedded Systems (EBED) (2)	

Second Place	Science of Signal Strength Oscar Gonzalez III
First Place	Design and develop a customized solution for visually impaired using an ultrasonic sensor Ronit Verma
Environmental Engineering (ENEV) (1)	
First Place	Effect of Saline Environment on Seeds Growth Vihaan Rajput
Physics & Astronomy (PHYS) (3)	
Third Place	Magnetic Mania Leela & Saara Bindingnavele
Second Place	Rocketeer Iris Caanen & Megan Salinas
First Place	Burning Bright - Heat from Light Bulbs Unal McLauchlan
Robotics & Intelligent Machines (ROBO) (1)	
First Place	Using Machine Learning to Detect Distracted Driving Lucas Walker
Translational Medical Science (TMED) (1)	
First Place	Discovering of a Novel Artificial Intelligence-Based Targeted Therapeutics for the Treatment of Triple Negative Negative Breast Cancer Priyam Kumar
Top Awards	
Lemelson	A Novel, Cost Effective and Sustainable Solution to CO2 pollution

	Soaham Kumar
Thermo Fisher (12 projects)	Jaycee Johns, Josiah Pounds, Alayna McLendon, Carina Sanchez, Vivian Hans, Brooklyn Wall, Elijah Vargas, Sveva Fuentes, Chad Aguilar & Jaime Lopez, Dana Kim, Luke Lamb, Soaham Kumar
Best in Division 6-8	Dancing LAYdies Jaycee Johns
Best in Division 9-12	Translational Approach to Develop N-Acetylneuraminic acid (New5Ac) as Biomarker for the Diagnosis for Alzheimer's Sharmada Palakurthu
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ISEF	Heat Screen: A Novel Approach to Monitoring Heat Stress Cuauhtemoc Zamora
Best in Show	Translational Approach to Develop N-Acetylneuraminic acid (New5Ac) as Biomarker for the Diagnosis for Alzheimer Sharmada Palakurthu