

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

Proj ID	Place	Last Name	First Name	Gr	Project Title	School	Tchr/Advisor
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SENIOR DIVISION

Senior Division - Animal Sciences (ANIM)

101	1st	Mandyam	Tanya	10	Circadian Rhythm Disturbance Affects Running Activity and Gut Microbiome in Rats	Westview High School	S. Halander
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Senior Division - Behavioral and Social Sciences (BEHA)

111	2nd	Cesar	Luke	10	Loss Aversion on a High School Level	Central Union High School	L. Rueda
112	2nd	Foss	Spencer	11	Testing Priming and Framing with the Ellsberg Paradox	San Diego Jewish Academy	P. Hagarman
113	2nd	Garcia	Izel	10	Clothing's Effect on Perceived Professionalism	Central Union High School	L. Rueda
114	3rd	Gopinath	Kavya	9	How Positive Words Bring an Impact Scientifically	Del Norte High School	A. Callicot
115	3rd	Munoz	Esteban	10	The Relationship Between Confidence and Competition, and Their Effect on Performance	Central Union High School	L. Rueda
116	1st	Nudurupati	Aneesh	11	Hypnotizability and the Prevalence of Psychosomatic Conditions in Adolescents	Mt. Carmel High School	A. Klingborg
117	1st	Zhang	Steve	11	Eyes on the Page: A Study of Visual Attention During Storytime	Francis Parker School	E. Hart

Senior Division - Biochemistry (BCHM)

131	1st	Dresios	Marianthe	11	Integrated Chemistry and Cell-Free Synthetic Biology for Advanced Diagnostics	Carlsbad High School	J. Dresios
132	1st	Ganji Ganji	Vibha Yadav Vidha Yadav	10 10	Targeting the Ribonucleoprotein Complex Assembly as Therapy for Heroin Use Disorder (HUD)	Del Norte High School	N. Ganji
133	2nd	Wang	Chloe	11	Virtual Screening and Hit Confirmation of Orthosteric MEK Inhibitors for the Treatment of Pediatric Central Nervous System Tumors	Canyon Crest Academy	E. Gerstin

Senior Division - Biomedical/Health Sciences and Biomedical Engineering (BMDE)

141	2nd	Asudani	Ananya	10	Identification of Genetic Disease Markers Associated with Parkinson's Disease Using the Implementation of a Data Analysis Model	Del Norte High School	D. Asudani
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Senior Division - Biomedical/Health Sciences and Biomedical Engineering (BMDE) cont'd							
142	1st	Bantval	Dhruv	9	Motion-Sensor Based Sign Language Recognition Glove	Canyon Crest Academy	A. Siegel
143	2nd	Bisain	Aditya	9	Fine-Tuning Segment Anything Model for Thyroid Ultrasound Images	Canyon Crest Academy	E. Gerstin
144	1st	Bojja Maturi	Rohan Nikhil	9	Portable Real-Time Machine Learning Asthma Management System for Exacerbation Prediction	Del Norte High School	J. Maturi
145	1st	Dogra	Saanvi	10	3D Polymer Composite of Porous Silicon Nanoparticles for Peripheral Nerve Regeneration with a BDNF Model	Del Norte High School	A. Callicott
146	2nd	Du Lee	Kevin David	11	Multi Compartment Brain Imaging with MRI	Del Norte High School	J. Lo
147	1st	Fan	Leanne	10	Photobiomodulation on In-Vivo and In-Vitro Wound Models Under Simulated Microgravity for Future Space Travel	Westview High School	D. MacMartin
148	2nd	Ji	Isabel	9	Affordable Open Ear Headphone-Based Hearing Aid as an Alternative to \$1000 Open-Fit Hearing Aid	Torrey Pines High School	K. DeVico
149	3rd	Kalapala	Isabella	9	The Mystery of Memory in Alzheimer's	Mission Vista High School	N. German
150	1st	Kalyanaraman	Anirudh	11	Fluid Shear Stress Enhances the Metastatic Potential of Human Colon Cancer Cells: A Critical Role of Nitric Oxide	Mt. Carmel High School	K. Wytmans
151	1st	Khattar	Zinia	11	Integrated Stress Response Activation Discovered to Be Predominant Response to Mitochondrial Dysfunction: A Therapeutic Target Advancement	Del Norte High School	A. Khosla
152	3rd	Kowsari	Kian	10	Evaluating ML Models for Relative Skin Moisture Measurement to Detect Pressure Injury	Scripps Ranch High School	P. Fowler
153	1st	Liang	Jaelyn	9	Computational Immunomimicry for Targeted Cancer Immunotherapy	Westview High School	M. Christopher
154	2nd	Rupareliya	Rhea	11	Analysis of Prostate Deformation in MRI During Prostate Cancer Treatment	Canyon Crest Academy	E. Gerstin
155	3rd	Sheng	Raymond	11	An Arduino-Based Platform to Incentivize Consistent Physical Activity with Cryptocurrency Reward	Del Norte High School	JC. Cheskaty
156	1st	Tian	Christina	10	IL4/13 Indirectly Inhibits TNF-Induced CFB Expression	Westview High School	D. MacMartin
157	3rd	Wang	Ryan	9	Low-Cost Home-Use Wearable Kit to Predict and Prevent Sports Injuries	Westview High School	S. Halander

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Senior Division - Biomedical/Health Sciences and Biomedical Engineering (BMDE) cont'd							
158	1st	Zhang	Sydney	11	Design and Usability Study of a Point of Care mHealth App for Early Dry Eye Screening and Detection	Westview High School	S. Halander
159	2nd	Pallapotu	Eshika	10	Creating Novel Cancer Vaccines for Breast Cancer Using iPSC-derived Antigens	Del Norte High School	R. Pallapotu

Senior Division - Cellular and Molecular Biology (CELL)

171	2nd	Figueroa	Alyna	12	The Effect of Ozone on Epithelial Cell Growth	Central Union High School	L. Rueda
172	2nd	Hao	Yunshu	11	Enable AAV to Target NK Cells for CAR Cell Therapy in Vivo	Sage Creek High School	T. Andersson
173	1st	Leem	Ethan	9	Paraquat Exposure Triggers Microglial Activation through Neuroinflammatory Pathways	Canyon Crest Academy	M. Zerwekh
174	3rd	Nandhimandalam	Medha	12	Mechanisms of Somatic Gene Variation	Westview High School	D. Herr
175	1st	Ni	Gavin	11	Effects of a Stress-protective Protein from Tardigrade on Stress-resistance and Aging of Yeast	La Jolla Country Day School	N. Hao
176	1st	Patel	Shreeya	11	Activation of Tumor-Suppressor p53 in Oncogene-Induced Senescence	Del Norte High School	C. Craig
177	3rd	Tran	Sophia	11	Exploring Anatomical Variability in the Cerebral Cortex of the Human Brain	Scripps Ranch High School	J. Annese

Senior Division - Chemistry (CHEM)

191	1st	Lee Park	Juhyeok Yechan	11	Using pH to Control the Hydrophobic or Hydrophilic Character of Silicon Wafers	Scripps Ranch High School Otay Ranch High School	P. Fowler A. Masuy
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Senior Division - Computational Biology and Bioinformatics (CBIO)

201	1st	Aravind	Medha	9	Developing a Machine Learning Solution for Discovering Novel miRNA Biomarkers for Gastric Cancer	Del Norte High School	M. Nathan
202	1st	Bhatt	Prakruti	10	E-venomics: Revolutionizing Drug Discovery with In Silico Exploration of Snake Disintegrins for $\alpha\beta3$ Integrin Inhibition in Cancer Cells	Del Norte High School	D. Vyas
203	1st	Garg	Aarushi	11	A Novel Deep Learning Technique to Predict Rhegmatogenous Retinal Detachment Using Ultrawide Fundus Images	Canyon Crest Academy	E. Gerstin

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Senior Division - Computational Biology and Bioinformatics (CBIO) cont'd							
204	3rd	Hernandez	Diego (Toa)	11	AI to the Rescue! New Technology Sees What Doctors Cannot	Sweetwater High School	M. Ranganathan
205	1st	Hou	Henry	9	One-Drug-Fits-All: Identifying Multi-Target Drugs with Machine Learning for Rheumatoid Arthritis	The Bishop's School	D. Cameron
206	2nd	Jeyaprakash	Arunraj	11	A Prediction Diagnostic Model of Glioblastoma Using Exosome Based miRNA Gene Expression in Glioma Types	Canyon Crest Academy	E. Gerstin
207	2nd	Kao	Emma	11	Utilizing an Autoencoder to Denoise Confocal Microscopic Images	The Bishop's School	M. Jaiclin
208	2nd	Kathiravan	Gautam	11	Ensemble of Deep Learning Models for Multi-Class Classification of COVID-19, Pneumonia, Tuberculosis, and Lung Opacity in Chest X-Ray Images	Canyon Crest Academy	D. Celniker
209	2nd	Khushu	Ronit	10	Novel Method of Using 3D View for Personalized Health Monitoring and Insights	Francis Parker School	J. Pierce
211	2nd	Sadek	Adham	10	Using AI to Improve Type 1 Diabetes Management	Canyon Crest Academy	A. Ashour
212	2nd	Sun	Anne	11	Alcohol and Anxiety Comorbidity through Epigenetics	San Marcos High School	S. Shade
213	2nd	Sun	James	11	Identifying Gene Targets for Biocontainment of <i>C. ljungdahlii</i> Using Deep-learning Tuned Metabolic Models	Canyon Crest Academy	E. Gerstin
215	1st	Vivek	Nithika	10	Deep Learning Multi-Modal Melanoma Detection	Del Norte High School	K. Ramesh
216	1st	Wadhvani	Dishti	11	Early Detection of Sepsis in Hospital Patients	Del Norte High School	A. Wadhvani
217	2nd	Xuan	Kailin	10	Smart Analytics for Weight Management: A Data-Driven Approach to Addressing Obesity and Anorexia	The Bishop's School	D. Cameron
218	1st	Yadav	Anvay	10	A Federated Learning Framework for Machine Learning Tasks with Different Omics Data Types	Del Norte High School	M. Rao
219	2nd	Yuan	Ryan	11	Epilepsy Diagnosis Using miRNA Biomarkers and Machine Learning	Canyon Crest Academy	E. Gerstin
220	NS	Zhang	Brianna	9	The Relationship Between Covid-19 Vaccines and Outcomes	Canyon Crest Academy	M. Zerwekh

Senior Division - Computer Science and Systems Software (COMP)

231	1st	Arul	Vasant	12	Machine Learning Based Evaluation of Dehazing Algorithms	Canyon Crest Academy	T. Mauro
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Senior Division - Computer Science and Systems Software (COMP) cont'd							
232	1st	Backues	Alexander	11	Improving PET Scan Resolution Using Machine Learning	Canyon Crest Academy	E. Gerstin
233	1st	Dagar	Arnav	10	ARFSNet - Deep Learning for Amblyopia Risk Factor Screening	Canyon Crest Academy	K. Hare
234	3rd	Dai	Nathan	12	Performance Tradeoff in ML-Based Intrusion Detection Systems: Efficacy vs. Resource Usage	Canyon Crest Academy	A. Siegel
235	3rd	DeMott	Luke	10	Investigating Weather Inputs for Neural Network Based Demand Side Forecasting in Home Energy Management Systems	La Jolla High School	R. DeMott
236	1st	Desai	Ella	11	Statistical Analysis for Deep Learning Model Selection	Canyon Crest Academy	A. Mauro
237	2nd	Devulapalli	Aneesh	11	Immediate Diabetic Retinopathy Detection Using An Image-Based Machine Learning Model	Canyon Crest Academy	D. Celniker
238	3rd	Feng	Eric	9	Finding the Cause of Hallucinations Created by Generative Artificial Intelligence	The Bishop's School	M. Jaiclin
239	1st	Khushu	Riya	10	A Novel Gunshot Detection and Localization System for Public Safety	Francis Parker School	J. Pierce
240	2nd	Liu	Kaelyn	10	Novel Machine Learning Approach to Prevent Misuse of Pharmaceutical Pills	Canyon Crest Academy	K. Shakeri
241	2nd	Mondal	Raunak	11	Are LLMs Ready to Deliver Autism Inclusion?	Del Norte High School	J. Cheskaty
242	3rd	Munshi	Ronit	11	Making a Model That Can Predict Which Jobs Are Real and Which Jobs are Fake in the Most Efficient Method Possible	Canyon Crest Academy	D. Celniker
243	3rd	Perez	Gavin	9	Program Complexifying Passwords in Ways Unique to a System	The Cambridge School High School	M. Mayne
244	1st	Ray Chaudhuri	Shounak	10	Using Computer Vision for Object Detection/Classification on Roads of Developing Countries	Francis Parker School	J.P. Pierce
245	2nd	Ryu	Wonhee	10	Document Search Using Sentence Embedding	Canyon Crest Academy	K. Shakeri
246	1st	Saxena	Parth	10	Streamlining Virtual Education Using Generative Artificial Intelligence and High-Performant Large Language Models	Scripps Ranch High School	P. Fowler
247	2nd	Sun	Ethan	11	TrustworthyAI: Adversarial Attacks and Defensive Strategies in Self-Driving Systems Using Computer Vision and Artificial Intelligence	The Bishop's School	M. Jaiclin

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Senior Division - Computer Science and Systems Software (COMP) cont'd							
248	2nd	Xia	Olina	10	AI-Powered GIS-Based Mathematical Modeling Investigations on Climate Impacts of Transportation	Rancho Bernardo High School	B. Xia
249	1st	Xu	Kayley	9	A Comprehensive Approach to Addressing Respiratory Disease	The Bishop's School	D. Cameron
250	2nd	Tran	Rex	11	"If Humans Evolved, Machines Should Too": Novel Evolutionary-Merged Ensemble Multi-Layer Perceptron Model	Scripps Ranch High School	P. Fowler
Senior Division - Earth and Environmental Sciences (EAEV)							
261	3rd	Amaro Sandoval	Joanna Leslie	11 11	To What Extent Does Sewage from Tijuana, Mexico Affect the Waters in San Diego	Bonita Vista High School	J. Ekstein
262	3rd	Elefante Sanchez	Nevaeh Sofia	12 12	To What Extent Does Urbanization and Urban Population Affect the Time We Have on Earth Due to Climate Change?	Bonita Vista High School	J. Ekstein
263	3rd	Estrada	Samuel	10	The Levels of Formaldehyde in the Imperial Valley	Holtville High School	B. Sorenson
264	NS	Fincher	Danica	11	Charcoal Filter Efficiency at Filtering Heavy Metals in Water	Bonita Vista High School	J. Ekstein
265	2nd	Gallegos	Daniela	12	Hedwig Moss (<i>Hedwigia ciliata</i>) Ability to Filter Arsenic in Bodies of Water	Central Union High School	L. Rueda
266	2nd	Gandevia	Naina	10	Effects of Air Quality on Asthma	Holtville High School	B. Sorenson
267	1st	Gao	Sarah	11	From Trash to Treasure: Fighting Desertification with Biodegradable Soil Amending Hydrogels Synthesized from Food Waste	Canyon Crest Academy	E. Gerstin
268	3rd	Gutierrez Johnson	Briana Kendall	11 12	To What Extent Does Thermal Pollution Affect the Growth and Development of Duckweed?	Bonita Vista High School	J. Ekstein
269	2nd	Hernandez Hutchins	Natalie Elijah	11 11	Testing pH Levels Along San Diego Beaches and Its Correlation to Acidification	Bonita Vista High School	J. Ekstein
270	1st	Lau	Max	11	Using Reflectance Spectroscopy to Detect Plant Stress in Harmful Soil Salinity Levels	Westview High School	K. Klausung
271	3rd	Movva	Tanvi	10	Eco-Friendliness of Mineral and Chemical UV Particles in Sunscreen Products	Del Norte High School	J. Cheskaty
272	1st	Pai	Krish	11	Identifying Microorganisms to Optimize Plastic Biodegradation via Deep Learning	Canyon Crest Academy	E. Gerstin

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Senior Division - Earth and Environmental Sciences (EAEV) cont'd							
273	1st	Qiu	Nathan	10	Remote Sensing for Disaster Response - Using Deep Learning Neural Networks to Classify Infrastructure Damage from Aerial and Satellite Imagery	Canyon Crest Academy	K. Shakeri
274	2nd	Sengupta	Srija	11	Effects of Temperature and Aeration on Dissolved Oxygen Levels in Lakes	Westview High School	S. Halander
275	1st	Yao Zeng	Minghui Sophie	10 10	Today's Technology for Today's Environment - Using AI to Enhance Invasive Plant Removal	The Bishop's School	M. Jaiclin
276	1st	Zeng	Lilian	10	Forever Chemicals? Maybe Not! Bioremediation of Perfluoroalkyl Substances in Waste-water Using Active Carbon and Plate-based White Rot Fungi	Del Norte High School	H. Xu
277	1st	Zhang	Emily	11	Plant Seed Mucilages: A Novel Adsorbent and Flocculant for Maximized Textile Dye Removal	Canyon Crest Academy	E. Gerstin
278	1st	Zhang	Austin	10	Investigating the Effects on Plant Growth and Disposal Methods for Various Types of Used Batteries	Del Norte High School	S. Li

Senior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR)

291	1st	Battikha	Alex	11	Using Artificial Intelligence and Unmanned Aerial Vehicle for Aid on Environment Remediation	Westview High School	J. Silberman
292	1st	Brown	Logan	11	Democratization of Metal Fabrication Through a Novel Electrochemical Machining Process	High Tech High North County	C. Sailor
293	2nd	Goel	Khushee	10	An Intelligent Fire Extinguisher for Outdoor Home Protection	Scripps Ranch High School	P. Fowler
294	3rd	Jaiswal	Rachit	11	AI and Robotics: Extracting Plastic from the Ocean	Del Norte High School	T. Roty
295	2nd	Kapoor	Sanya	10	Optimization of Energy Consumption at Wastewater Treatment Plants	Del Norte High School	S. Kapoor
296	1st	Kim	Angelina	11	An Autonomous Unmanned Aerial Vehicle (UAV) System for Ocean Hazard Recognition and Rescue: Scout and Rescue UAV Prototypes, Findings, and Next Steps	The Bishop's School	A. Pelletier
297	3rd	Mansour	Malik	9	Solar Powered River Cleansing Robot	Bright Horizon Academy	N. Nasereldin
298	3rd	Patil	Yash	11	Enhancing Prosthetic Functionality Through the Use of Compliant Mechanisms and 3D Printing	Sage Creek High School	S. Patil

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

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Senior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR) cont'd							
299	1st	Salemi	Sherwin	11	3D Particle Image Velocimetry Using Scanning Laser Planes and Optical Flow	High Tech High North County	C. Sailor
300	2nd	Sood	Rohin	11	Differential, Multi-Jointed Robotic Arms with Inverse Kinematical Adaptive PID Control for Telesurgery	Del Norte High School	A. Callicott

Senior Division - Engineering: Energy, Materials, and Transport (EEMT)							
311	3rd	Coronel-Villarreal	Hector	12	Properties of Different Bioplastics	Central Union High School	L. Rueda
312	1st	Dresios	Demetrios	11	Developing a Novel Flexible UV Resin for Use in Scalable Micro-Photolithography Manufacturing of Biomimetic Adhesives	Carlsbad High School	A. Velentza
		Dresios	Vassilios	11			
313	1st	Gao	William	10	Transformer-Based Generative Models Enable Smart Polymer Design for Carbon Capture	Canyon Crest Academy	H. Lee
314	2nd	Giometti	Collin	11	A Physarum Simulation Approach to Macrogrid Topology Modeling	San Marcos High School	S. Shade
315	3rd	Gupta Kuruvadi	Aryahi Krishna	12 11	The Durability, Longevity, and Affordability of the Different 3D Printed Full Denture Materials	Canyon Crest Academy Francis Parker School	T. Mauro J. Pierce
316	1st	Kim	Hudson	11	A Novel 3 Stage Ionic Plasma Thruster for Interplanetary Travel and Spacecraft Propulsion	Westview High School	B. Meagher
317	3rd	Pruitt	Vivian	11	To What Extent Does Color Affect the Effectiveness of Solar Powered Energy	Bonita Vista High School	J. Ekstein

Senior Division - Mathematics (MATH)							
331	1st	Hyun	Jeonghoo	10	The Optimal Number of People for Indoor Physical Distancing Using Pigeonhole Principle	Torrey Pines High School	J. Newell

Senior Division - Microbiology (MCRO)							
341	1st	He	David	10	Utilizing Genetically Engineered Ocean Bacteria to Degrade Microplastics	Westview High School	S. Halander
342	2nd	Hyun	Jihoo	9	Creating Paper with Bacterial Cellulose: Toward the Sustainable Production of Bioplastic	Canyon Crest Academy	E. Gerstin

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

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Senior Division - Microbiology (MCRO) cont'd

343	1st	Raymond	Mason	10	Resistance of Multi-pathway Inhibitors and Antibiotics Combating <i>Staphylococcus epidermidis</i>	Steele Canyon High School	S. Weiner
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Senior Division - Physics and Astronomy (PHYS)

351	2nd	Badal	Rohan	11	Optical Flow-based Thruster Control for Asteroid Landers	University City High School	S. Badal
352	1st	Chandra	Vikramaditya	11	Astronomical Image Deconvolution Using a Novel Deep CNN Architecture with Minimal Artifacts	San Marcos High School	S. Bireddy
353	1st	Chen	Trevor	11	Enabling Ultra-Broadband High-Efficiency Gratings for High-Power Infrared Single-Cycle Lasers	Westview High School	S. Halander
354	2nd	Chen	Jennifer	10	Gate Rescheduling for Quantum Circuit Error Mitigation on IBM Quantum Computers	Canyon Crest Academy	A. Siegel
355	1st	Feng Ni	Jeremy Matthew	11 11	A High-Resolution Gamma Ray Detector for Positron Emission Tomography Using Liquid Xenon	The Bishop's School Canyon Crest Academy	M. Jaiclin E. Gerstin
356	1st	Madhukara	Nandana	11	Analyzing the Effects of Higher-Order Terms in the Nonlinear Dynamics of Galactic Systems	Canyon Crest Academy	E. Gerstin
357	2nd	Mandadi	Krish	11	Developing Novel Spectral Unmixing Technique for Stellar Spectroscopy Using Artificial Intelligence	Canyon Crest Academy	S. Mandadi
358	3rd	Susan	Rachel	9	Our Effect on Light Pollution	Mission Vista High School	N. German

Senior Division - Plant Sciences (PLNT)

371	2nd	Arca Marquez	Isabella Yesica	11 11	To What Extent Does Duckweed (<i>Lemnoideae</i>) Improve Water Quality and Raise/Lower pH in Polluted Waters?	Bonita Vista High School	J. Ekstein
372	3rd	Broudy Manaligod	Ariel Trevor	11 11	To What Extent Does Eroded Soil Affect the Growth and Germination of <i>Raphanus sativus</i> ?	Bonita Vista High School	J. Ekstein
373	3rd	Contreras Gonzalez	Diego Jerry	11 11	The Effect of Synthetic vs. Organic Fertilizer on Lima Bean Growth	Bonita Vista High School	J. Ekstein
374	3rd	Ewert	Jackson	11	How Does Organic Fertilizer Affect the Growth and Germination of Radishes?	Bonita Vista High School	J. Ekstein

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

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Senior Division - Plant Sciences (PLNT) cont'd							
375	3rd	Higuera Rodelo	Sebastian	12	The Effects of Water Pollution on the Growth and Germination of Wheat Grass Seeds	Bonita Vista High School	J. Ekstein
376	1st	Ibarra Villegas-Palacios	Melany Ana	11 12	The Effects of Soil Pollution Caused by Human Impacts on Transpiration Rates of Plants	Central Union High School	L. Rueda
377	3rd	Ilko	Hannah	11	To What Extent Does Runoff Affect the Growth and Germination of Wheat Grass (<i>Triticum aestivum linn</i>)	Bonita Vista High School	J. Ekstein
378	1st	Iniguez Takaki	Paulina Victoria	11 11	The Effect of Runoff Pollutants on Wheatgrass	Bonita Vista High School	J. Ekstein
379	2nd	Lytle	Haley	11	To What Extent Does Salinization Affect Growth and Germination	Bonita Vista High School	J. Ekstein
380	2nd	Monroybeltran Ramirez	Gian Alena	11 11	To What Extent Do Chemicals Within Plastics Affect the Growth/Germination of Wheatgrass?	Bonita Vista High School	J. Ekstein
381	2nd	Rhoades	Maxwell	11	How Does the Presence of Pesticides Affect the Growth of Duckweed?	Bonita Vista High School	J. Ekstein
382	1st	Zhang	Elvin	10	A Novel Stress Early Detection Method through Infrared Thermal Imaging Phenotyping	Del Norte High School	J. Cheskaty

JUNIOR DIVISION

Junior Division - Animal Sciences (ANIM)

501	1st	Alexander	Grant	6	Effect of High Temperature on Honey-pot Ants	La Jolla Country Day School	M. Bessler
502	2nd	Harris	Gabriella	7	Does the Food You Feed Harvester Ants Affect Their Productivity?	Nazareth School	M. Reed
503	3rd	Mumin	Abdullah	8	Effect of an Electromagnetic Field On Planaria	Bright Horizon Academy	N. Naserelddin
504	1st	O'Donnell	Sydney	6	Can Domestic Chickens Be Trained to Respond to Color Commands?	The Rhoades School	R. Hunker
505	2nd	Paband	Khadija	8	Effect of Precise Medication on Planaria Generation	Bright Horizon Academy	N. Naserelddin
506	2nd	Snyder	Daniel	8	Controlling the Caterpillar Population Using the Targeted Application of Arthropods	San Diego Hebrew Day School	J. Rivard
507	3rd	Hilinski	Ava	8	Parasites in Paradise	Eastlake Middle School	A. Thacker

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Junior Division - Behavioral and Social Sciences (BEHA)							
511	3rd	Adatto	Meira	8	The Effect of Videos on Kids	San Diego Hebrew Day School	J. Rivard
512	2nd	Altman	Sadie	8	Change of Personality Type	San Diego Hebrew Day School	J. Rivard
513	1st	Aly Saad Aly	Princess-Hafsah	7	Does Typing or Writing Notes Really Make a Difference?	Bright Horizon Academy	N. Naserelddin
514	NS	Delapp	Jude	7	Does Different Font Styles Affect Reading Comprehension?	Nazareth School	M. Reed
515	3rd	Eilemberg	Elie	8	Can the Placebo Effect Change Your Reaction Time?	San Diego Hebrew Day School	J. Rivard
516	2nd	Essa	Reem	7	Visual and Auditory Reaction Times in Relation to Preferred Learning Styles	Bright Horizon Academy	N. Naserelddin
517	3rd	Francy	Alexandre	7	Delayed Gratification and Academic Performance	St. Gregory the Great Catholic School	C. Girard
518	2nd	Mansur	Emma	8	Can People Tell Real Smell Over Artificial Smell? And Does Peppermint Help or Hurt Your Sense of Smell?	San Diego Hebrew Day School	J. Rivard
519	1st	Martinez	Andrea	7	Can People Tell the Difference Between Natural and Artificial Scents?	Nazareth School	M. Reed
520	3rd	Parker	Angelina	7	Comparing Different Reaction Times for Different Visuals	Mt. Helix Academy	K. MacDonald
521	2nd	Perham	Josephina	8	Do Women Put Themselves, Animals, or Price First When Purchasing Cosmetics?	The Children's School	D. Quincannon
522	1st	Purmul	Maryam	8	Investigating Teachers' Ability to Distinguish Human and AI-Generated Writing	Bright Horizon Academy	N. Naserelddin
523	1st	Sarles	Jake	7	Art Challenge: Can You Identify Which Artworks Are AI Generated?	The Rhoades School	R. Hunker
524	1st	Schere	Bella	8	Does the Use of Motivational Interviewing Affect Student Effort?	The Children's School	D. Quincannon
525	NS	Snideman Greene	Esteban Evan	8	Do You Remember More by Writing or Typing?	Stella Maris Academy	M. Flores

Junior Division - Biochemistry (BCHM)

531	3rd	Aly	Omar	8	Does Temperature Affect the Amount of Carbohydrates in Food?	Bright Horizon Academy	N. Naserelddin
532	3rd	Bantval	Maya	7	Effect of Fructose Diets on Wild type and Parkinson's Strains of <i>Caenorhabditis elegans</i>	Pacific Trails Middle School	K. Chen

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

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Junior Division - Biochemistry (BCHM) cont'd							
533	3rd	Dickens	Benjamine	8	Relation Between Oxidation and Temperature	Chula Vista Middle School	T. Tom
534	2nd	Khan	Mohammad	8	How Does Storage of Vegetables Affect Their Vitamin C Content?	Bright Horizon Academy	N. Naserelddin
535	1st	Kroes	Alejandra	8	How Does the Type of Flour Affect a Cookie?	De Portola Middle School	M. Bridges
536	3rd	Rothstein	Nathan	8	UV Lights Influence on Bacteria at Different Heights	San Diego Hebrew Day School	J. Rivard
537	3rd	Sebalj	Keira	6	Gummy Bear Osmosis	St. Peter the Apostle Catholic School	M. Berens
538	3rd	Siddique	Maleeha	8	Gluten-Free vs. Gluten: Xanthan Gum Edition	De Portola Middle School	M. Bridges

Junior Division - Biomedical/Health Sciences, and Biomedical Engineering (BMDE)							
551	2nd	Abadi	Aliza	8	The Effect of Blue Light on Sleep	San Diego Hebrew Day School	J. Rivard
552	1st	Abdulaziz Ehsan	Omar Anabia	8 7	Early Detection of Bradykinesia and Tremors in Parkinson's Disease Using a Wearable Inertial-Measurement-Unit	Thurgood Marshall Middle School	A. Abdurrab
553	1st	Diep	Emily	8	A Single Case Pilot Study of an AI-driven Speech Therapy Game for Children with Articulation Challenges Using a Smart Bracelet	Connect Academy Poway Unified	J. Teixeira
554	1st	Kalakota	Veera	8	4S Ranch Awareness of Probiotics and Their Role in Promoting Gut Health	Oak Valley Middle School	B. Gonzalez
555	2nd	Parthiban	Sidhaarth	8	Mechanisms of Monocyte Cell Death in Nicotine Exposure	The Cambridge School	M. Mayne
556	3rd	Sahardiid	Munirah	7	HealthBand	Bright Horizon Academy	N. Naserelddin
557	3rd	Siegel	Hudson	8	New Methods to Discover Naegleria fowleri Using Commercially Used Dye	The Children's School	T. Brown
558	2nd	Singer	Sara	8	Balance in Dancers vs. Non-Dancers	San Diego Hebrew Day School	J. Rivard
559	3rd	Sipper	Brady	7	Does the Dye in Tinted Sunscreen Affect Its Performance?	Nazareth School	M. Reed

Junior Division - Chemistry (CHEM)							
581	1st	Amin	Ilyas	7	Colorful Chemistry: Creating Natural pH Indicators	Bright Horizon Academy	N. Naserelddin

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

Proj ID	Place	Last Name	First Name	Gr	Project Title	School	Tchr/Advisor
Junior Division - Chemistry (CHEM) cont'd							
582	1st	Brough	Jonathan	6	Electrolytes in Drinks	La Jolla Country Day School	M. Bessler
583	1st	Chen	Zhizhen	7	Effect of Temperature on Oxidation Speeds	The Cambridge School High School	M. Mayne
584	3rd	Collins	Finley	7	How Does Sugar Affect Cookies	Mt. Helix Academy	K. MacDonald
585	1st	Croff	Gregory	7	Which Animal Fat Makes the Hardest Bar of Soap?	Nazareth School	M. Reed
586	1st	Dodi	Fuaad	7	Does Cooking Method Affect Protein Content?	Bright Horizon Academy	N. Nasereldin
587	2nd	Fitzgerald	Myla	8	Spherification vs. pH: A Molecular Gastronomy Experiment	De Portola Middle School	M. Bridges
588	2nd	Hellbusch	Brooklyn	7	Temperature vs. Glow Sticks: Are Glow Sticks Affected?	St. Gregory the Great Catholic School	C. Girard
589	2nd	Raschtschenia	Stasha	7	Frozen vs. Fresh	Mt. Helix Academy	K. MacDonald
590	1st	Stoneman	Jenna	8	Freezing Point of Ice Cream	De Portola Middle School	M. Bridges
591	2nd	Wrotslavsky	Alexandra	8	Sunscreen and Pollution	San Diego Hebrew Day School	J. Rivard
592	2nd	Zwolinski	John-Paul	7	The Effects of Temperature on Salt Crystal Growth	St. Gregory the Great Catholic School	C. Girard

Junior Division - Computational Biology and Bioinformatics (CBIO)

601	2nd	Kandula Ramesh	Pranavi Pavishya	6 8	Heart Failure Prediction Using ML Algorithms	Oak Valley Middle School	R. Marudharaju
602	1st	Kathiravan Vinayagam	Yaalini Arunchalam	7 8	Early Detection of Scalp and Facial Diseases Using Selfies and Artificial Intelligence	Pacific Trails Middle School	M. Mareth

Junior Division - Computer Science and Systems Software (COMP)

611	1st	Bhatia	Rishabh	6	Efficacy of Machine Learning Algorithms in Detecting Misinformation	The Rhoades School	R. Hunker
612	3rd	Harbin	Samira	8	Is AI Art Consistent?	Chula Vista Middle School	T. Tom
613	1st	Huh	Junyoung	7	Determining Water Consumption Based On AI	La Jolla Country Day School	N. Parker
614	1st	Kamshad	Mikhael	8	Object Classification Headset for Assisting the Blind	San Diego Hebrew Day School	J. Rivard

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

Proj ID	Place	Last Name	First Name	Gr	Project Title	School	Tchr/Advisor
Junior Division - Computer Science and Systems Software (COMP) cont'd							
615	3rd	Zhou	Sophia	8	Password Cracking	La Jolla Country Day School	N. Parker
616	1st	Zubaidi	Ahmad	8	VR: A Solution to Dementia	Bright Horizon Academy	N. Naserelddin
617	2nd	Chavan Vaka	Avni Samart	8 8	Weather Prediction	Oak Valley Middle School	R. Vaka
Junior Division - Earth and Environmental Sciences (EAEV)							
631	2nd	Alcanciado	Frankie	7	Eco-friendly Food Transport	Nazareth School	M. Reed
632	3rd	Ally Jones	Remy Kira	8 8	How Well Do Plants Grow on Mars vs. Earth?	St. Michael's School - Poway	J. Poling
633	2nd	Bi	Mia	7	Is Your Sunscreen Really Safe for the Ocean?	La Jolla Country Day School	N. Parker
634	1st	Blais Samady	Embry Ariana	7 7	Documenting Native Fauna in Aquatic Suburban Settings	The Rhoades School	R. Hunker
635	3rd	Castaneda Martinez	Emilio	8	Is There Total Dissolved Solids in Our Drinking Water?	Chula Vista Middle School	T. Tom
636	1st	Chen	Steven	8	Synthesizing Living Materials for Coral Reef Regeneration	Pacific Trails Middle School	M. Mareth
637	3rd	Martinez	Ian	8	Can Biodegradable Hydrogels Help Soil Retain Moisture?	Chula Vista Middle School	T. Tom
638	3rd	Musse	Omar	8	Solar-Powered Saline Water Purification System	Bright Horizon Academy	N. Naserelddin
639	2nd	Onwuchekwa	Uma	8	The Effects of Rock Tumbling Methods on Gemstone Smoothness	De Portola Middle School	M. Bridges
640	2nd	Ravi	Medha	8	Quantifying Heat Emissions from Alternatives to Synthetic Grass	The Rhoades School	R. Hunker
641	2nd	Roa Albarracin	Andres	8	Global Warming in Relation to Hurricanes	St. Mary Star of the Sea School	B. Klicsu
642	2nd	Roy	Amelie	7	The Acid Rain Avenger: Mod-Podge® to the Rescue!	San Diego French American School	A. Mobley
643	1st	Siddiqui	Aminah	8	Affordable Water Filtration for Developing Countries	Bright Horizon Academy	N. Naserelddin
644	2nd	Tipirneni	Siri	8	Native Water-Efficient Indoor Living Walls: Mitigating Air Quality, Heat Challenges in Cities	Carmel Valley Middle School	S. Fredin
645	2nd	Yang	Matthew	7	Finding an Optimal Strategy to Separate Oil and Water in Our Oceans from Oil Spills	The Cambridge School High School	M. Mayne

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

Proj ID	Place	Last Name	First Name	Gr	Project Title	School	Tchr/Advisor
Junior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR)							
651	3rd	Anello Vanderpump	Dominic Alex	7 7	Improved Turn Signal Gloves	The Children's School	T. Brown
652	1st	Arulsevan Vinayagam	Adhiban Vishwanathan	8 8	GridPatrol: AI Powered Aerial Patrol for Safe Power Transmission	Thurgood Marshall / Pacific Trails Mid	M. Mareth
653	3rd	Brocius	Ashton	8	AlarmMe: Elevating Your Morning, One Step at a Time	The Children's School	T. Brown
654	1st	Cottrell	Oliver	6	Automatic Hockey Puck Passer	La Jolla Country Day School	N. Parker
655	3rd	Gobiecki	Nathan	7	Is It Possible to Regenerate a Prius Battery Pack?	Nazareth School	M. Reed
656	2nd	Green	Dylan	6	Characterization of Residential Environments on Received Wi-Fi Signal Levels	The Rhoades School	R. Hunker
657	2nd	Green	Joie	6	It's Roller Coaster Science: How Many Loops Can a Car Make	Gillispie School	B. Belsha
658	1st	Henckels Senthil	Declan Guhan	8 8	Smart Walker	Pacific Trails Middle School	M. Mareth
659	3rd	Hernandez	Elias	8	How Do Electric Guitars Work	De Portola Middle School	M. Bridges
660	2nd	Kadry	Jumana	8	What is the Best Innovative Solution to Clean Space Pollution?	Bright Horizon Academy	N. Naserelddin
661	2nd	Miller	Issachar	8	Creating Stronger Electromagnets with Different Rare-earth Metals	San Diego Hebrew Day School	J. Rivard
662	3rd	Ong	Nicholas	7	Binary Communication Using Lasers	La Jolla Country Day School	N. Parker
663	2nd	Ouchmame	Zackaria	8	Smart Medicine Cabinet for Dementia Patients 2	Bright Horizon Academy	N. Naserelddin
664	3rd	Peralta	Joseph	7	How to Decrease or Increase the Wind Turbines Power	St. Gregory the Great Catholic School	C. Girard
665	2nd	Ron	Ayelet	6	LED Headboard	La Jolla Country Day School	M. Bessler
666	1st	Salem	Yusra	6	A Vibrating Exercise Band for the Deaf	Bright Horizon Academy	N. Naserelddin
667	3rd	Sanford	Aiden	7	Determining the Amount of Electrical Current	St. Gregory the Great Catholic School	C. Girard
668	1st	Thaper	Ahran	6	Can Household Vent Currents Be Harnessed to Produce Energy?	The Rhoades School	R. Hunker

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

Proj ID	Place	Last Name	First Name	Gr	Project Title	School	Tchr/Advisor
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Junior Division - Engineering: Electrical, Mechanical, and Robotics (EEMR) cont'd

669	1st	Zhu	Virginia	8	Smart Watering System: Electronic Sensor	Oak Valley Middle School	Y. Yu
670	2nd	Zhuang	Ryan	6	Testing Performance of a Rotating Solar Panel versus a Flat Solar Panel	La Jolla Country Day School	M. Bessler

Junior Division - Engineering: Energy, Materials, and Transport (EEMT)

681	2nd	Allen	Eva	8	Which Homemade Glue Works Best?	De Portola Middle School	M. Bridges
682	1st	Allport	Alexander	8	Can Coffee Grounds Save Homes? The Effect of Coffee Grounds on Mudbricks	The Children's School	D. Quincannon
683	2nd	Brooks	Lachlan	6	Cello Bow Grip Guide	La Jolla Country Day School	M. Bessler
684	3rd	Day	Samuel	8	How Increasing a Blade's Aspect Ratio Affects the Amount of Lift Produced	De Portola Middle School	M. Bridges
685	NS	Dignan	Aiden	7	Which Sunglass Lens is the Most Protective Against UV Rays	Nazareth School	M. Reed
686	3rd	Hauser	Eli	8	HydroSurf	The Children's School	T. Brown
687	3rd	Jacka	Maverick	8	Hydraulic Elevators	Mt. Helix Academy	K. MacDonald
688	3rd	McGrath	Jackson	8	Energy Saving Roofing Tiles	The Children's School	T. Brown
689	1st	Mensah-Baah	Danielle-Elizabeth	7	3D-Printed, Accessible, and High-Quality Shoes to Replace Environmentally-Damaging Alternatives	Nazareth School	M. Reed
690	2nd	Nahumzon	Aviv	8	Resistance of Different Buildings Against an Earthquake	San Diego Hebrew Day School	J. Rivard
691	1st	Pacente	Jack	8	Improving Impact Strength of Polyethylene Terephthalate Glycol (PETG) Through Annealing	Mt. Helix Academy	K. MacDonald
692	1st	Parthasarathy	Jeyanth Narayan	8	Reducing Motion Sickness Caused By Regenerative Braking Systems	Pacific Trails Middle School	M. Abelmann
693	2nd	Schuh	Chloe	7	Portable Boat Desalination Device	The Children's School	T. Brown

Junior Division - Microbiology (MCRO)

711	3rd	Adato	Tessy	8	Water Bottle Safety	San Diego Hebrew Day School	J. Rivard
712	2nd	Anderson Fountaine	Abby Cooper	6 6	Don't Be Gross, Clean Your Produce	St. Peter the Apostle Catholic	M. Berens

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

Proj ID	Place	Last Name	First Name	Gr	Project Title	School	Tchr/Advisor
Junior Division - Microbiology (MCRO) cont'd							
713	1st	Behnawa	Muhammad	8	Bacteria in Bagged Salads	Bright Horizon Academy	N. Naserelddin
714	2nd	Cao Muller	James Vera	8	Identification of Microorganisms that Effectively Degrade Compostable Polymers	Muirlands Middle Carmel Mountain Middle	L. Trombley J. Yang
715	1st	Capaldi	Charlotte	8	Are Antibiotic Resistant Bacteria Present in Local Water Sources?	The Rhoades School	R. Hunker
716	1st	Castillejos	Audrey	8	A Comparison of Disinfectants Based on Brand and Type	De Portola Middle School	M. Bridges
717	1st	Dieujuste	Ali	8	Which is the Better Disinfectant: Clorox or Seventh Generation	De Portola Middle School	M. Bridges
718	1st	Fernandez	Amaya	8	Bacteria on City Buses	Chula Vista Middle School	T. Tom
719	2nd	Hammad	Ida	7	Preserving Food	Bright Horizon Academy	N. Naserelddin
720	3rd	Ouznali	Duaa	7	Effect of Antibiotics on Bacterial Growth: A Comparative Study	Bright Horizon Academy	N. Naserelddin
721	2nd	Robertson	Lana	8	Hot-Air Hand Dryers vs. Paper Towel Dispensers in Public Bathrooms	Mt. Helix Academy	K. MacDonald
722	3rd	Soriaga Strott	Catherine Mabel	8	What Preserves a Carved Pumpkin for the Longest?	Stella Maris Academy	M. Flores
723	3rd	Sultan	Omar	8	Cleaning for Health: Comparing Cleaning Methods on School Table	Bright Horizon Academy	N. Naserelddin
724	2nd	Zwolinski	Zoe	7	The Impact of Wearing Shoes Inside on Bacterial Growth Rates	St. Gregory the Great Catholic School	C. Girard

Junior Division - Physics and Astronomy

731	3rd	Almera	Athaniel	8	The Effects of Different Masses of Roller Coaster Trains on Velocity	De Portola Middle School	M. Bridges
732	3rd	Arshakian	David	7	How Does the Spin Affect the Trajectory of a Kicked Soccer Ball	Mt. Helix Academy	K. MacDonald
733	2nd	Ceresia	Cole	7	Effects of Air Pressures in a Soccer Ball	St. Gregory the Great Catholic School	C. Girard
734	1st	Chen	Zoey	8	Estimating the Distance Between the Moon and Earth from the 2023 Solar Eclipse	Carmel Valley Middle School	S. Fredin
735	3rd	Huppert	Blake	7	Does Tennis Racquet Construction Affect Different Performance Results?	Nazareth School	M. Reed

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

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Junior Division - Physics and Astronomy							
736	1st	Kaplan	Asher	8	Baseball Spin Rate Testing	San Diego Hebrew Day School	J. Rivard
737	2nd	Motola	Aaron	8	Soccer Pendulum	San Diego Hebrew Day School	J. Rivard
738	1st	Nguyen	Helene	7	What Sunglass Material is Best at Preventing UV Radiation?	Nazareth School	M. Reed
739	3rd	Nordstrom	Evan	7	Destruction of Metals	St. Gregory the Great Catholic School	C. Girard
740	2nd	Penstone-Smith	Quinn	8	Color vs. Heat	De Portola Middle School	M. Bridges
741	1st	Sanchez	Alfonso	8	Gathering Static Electricity	Extraordinary Private Home School	S. Sanchez
742	2nd	Sanchez	Esther	7	Moving Light	Extraordinary Private Home School	S. Sanchez
743	1st	Sternson	Samuel	8	Passive Cooling with Infrared Reflective Crystals	The Rhoades School	R. Hunker
744	2nd	Vinck	Leah	7	What Fabric Blocks the Most UV Rays (Cotton, Linen, Polyester)?	Nazareth School	M. Reed

Junior Division - Plant Sciences (PLNT)

751	3rd	Bland Aruya	Taiye	8	Can Sugar Water Improve the Growth of the Mung Bean Plant?	Chula Vista Middle School	T. Tom
752	2nd	Delacruz	Devyn	8	How Natural vs. Artificial Light Affects the Amount of Chlorophyll in Broccoli as Tested in Paper Chromatography	St. Michael's School - Poway	J. Poling
753	2nd	Essa	Ibrahim	7	Unleashing the Potential of Algae for Sustainable Biofuels	Bright Horizon Academy	N. Nasereldin
754	3rd	Levine	Estela	8	The Effect of Increased Fog Acidity on Plant Growth in San Diego	The Children's School	T. Brown
755	2nd	Nash	Jack	7	Does Rainwater Make Up for Less Than Optimal Sunlight?	Nazareth School	M. Reed
756	2nd	Raspotnik	Ella	8	The Effect of Granular Mycorrhizae on Plants When Exposed to Seasonal Sunlight	The Children's School	T. Brown
757	1st	Schelper	Leilani	8	The Effect of Fertilizer on Plant Life with Rising Temperatures	The Children's School	D. Quincannon
758	1st	Sen	Ritam	8	Can Elemental Sulfur Influence the Growth of Different Plants in Lunar Regolith?	Francis Parker School	J. Pierce

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

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Junior Division - Plant Sciences (PLNT) cont'd							
759	3rd	Smith	Dorian	8	The Effect Colored Light Has on <i>Helianthus annuus</i> Growth	St. Mary Star of the Sea School	B. Klicsu
760	1st	Sternson	Olympia	6	Documenting the Effectiveness of Plant Allelochemicals as Eco-friendly Insect Repellents	The Rhoades School	R. Hunker
761	3rd	Stewart	Ayrlanna	8	What's the Difference in Glucose Levels Between Organic and Inorganic Strawberries	Chula Vista Middle School	T. Tom
762	2nd	Trench	Ava	8	Does a Chlorophyll Supplement Have More Chlorophyll Than a High-Chlorophyll Vegetable?	St. Michael's School - Poway	J. Poling
Junior Division - Product Testing (PROD)							
771	3rd	Brady	Avianca	7	Do Anti-Fog Markers Work Just as Good as Anti-Fog Goggles?	Nazareth School	M. Reed
772	1st	Cohen	Ivonne	8	Does Water Impact the Effectiveness of Sun Protectors	San Diego Hebrew Day School	J. Rivard
773	1st	Crivello	Jacob	7	Sunscreen Skirmish: Who Will Withstand the Heat?	St. Gregory the Great Catholic School	C. Girard
774	2nd	Dougherty	Victoria	8	What Fabric Dries the Quickest?	Chula Vista Middle School	T. Tom
775	2nd	Ellis	Elisheva	8	How Do Sulfate and Non-Sulfate Shampoos Affect Hair Strength?	San Diego Hebrew Day School	J. Rivard
776	2nd	Fonseca	Esmeralda	7	Which Soccer Shinguard Material is Most Protective	Nazareth School	M. Reed
777	NS	Grenevitch	Zsabrina	7	Bleach Away: Exploring the Power of Whitening Toothpaste on Coffee Stains	St. Gregory the Great Catholic School	C. Girard
778	1st	Jasim	Reema	7	What Types of Food Storage is Best for Storing Food?	Bright Horizon Academy	N. Naserelddin
779	2nd	Lowry	Jacob	7	Are Different Brands of Water More Pure Than Others?	Nazareth School	M. Reed
780	2nd	Meza	Marty	7	Are the pH Levels of Commercially Bottled Water Correlated to Price?	Nazareth School	M. Reed
781	1st	Nayab	Anthony	7	Catching a Football: A Guide to the Effects of Sunglasses	St. Gregory the Great Catholic School	C. Girard
782	1st	Raspotnik	Wyatt	8	The Effect of Weathering on Premium and Basic Paint	The Children's School	T. Brown

70th Annual Greater San Diego Science & Engineering Fair - 2024 Results

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Junior Division - Product Testing (PROD)							
783	2nd	Salmon	Andrea	7	Can You Lower Your Energy Bill by Using Ultra-Reflective Paint?	Nazareth School	M. Reed
784	2nd	Scherer	Isabella	7	How Effective Are Child Proof Caps?	Nazareth School	M. Reed
785	1st	Spenla	Olivia	7	How Effective Are Child Proof Containers?	Nazareth School	M. Reed