

Greater San Diego Science & Engineering Fair 2020

Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Computer Science	648	1st	Andrew	Martinez	What Materials Can Reduce A WiFi Signal	6	St. Mary Star of the Sea School	J. Alonso
JD	Medicine & Health Sciences	804	1st	Melissa	Soberanes	How Pollution is Affecting Children in the Imperial/Mexicali Valley	6	Our Lady of Guadalupe Academy	J. Patton
JD	Microbiology	818	1st	Leanne	Fan	Power of Light: The Antibacterial Effect of Red and Blue Lights	6	Mesa Verde Middle School	D. Fice
JD	Chemistry	622	2nd	Mila	Gruber	Which Natural Ingredient Can Make Homemade Litmus Paper Work as Well as Store-bought Litmus Paper?	6	St. Mary Star of the Sea School	J. Alonso
JD	Physics & Astronomy	858	2nd	Aiden	Tirabassi	Solar Powered Car	6	St. Mary Star of the Sea School	J. Alonso
JD	Engineering: Electrical & Mechanical	674	3rd	Anderson	Escudero	Does the Amount of Salt in Water Affect Electrical Conductivity?	6	St. Mary Star of the Sea School	J. Alonso
JD	Engineering: Electrical & Mechanical	679	3rd	Christopher	Meyer	Hammering Force for Different Types of Wood	6	St. Mary Star of the Sea School	J. Alonso
JD	Engineering: Electrical & Mechanical	683	3rd	Luke	Norin	The Effect of Angles on Catapult Launch	6	City Tree Christian School	M. Lee
JD	Physics & Astronomy	850 Team	3rd	Haegan	McGarry	Fooooooling Gravity	6	St. Peter the Apostle Catholic School	T. Fantano
JD	Physics & Astronomy	850 Team	3rd	Elijah	White	Fooooooling Gravity	6	St. Peter the Apostle Catholic School	T. Fantano
JD	Plant Sciences	876	3rd	Emma	Morin	The Effect of pH of Water on Cress Seed Growth	6	City Tree Christian School	M. Lee
JD	Product Testing/ Consumer Science	899 Team	3rd	Alexa	Castro	Which Wood is More Sustainable for Heavy Objects?	6	Our Lady of Mount Carmel	J. Pereyra, SJS

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JD	Product Testing/ Consumer Science	899 Team	3rd	Valeria	Castro	Which Wood is More Sustainable for Heavy Objects?	6	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Product Testing/ Consumer Science	908 Team	3rd	Vicente	Perez-Maytorna	Measuring pH levels in Different Water Products to Find Out Which is Healthier (In terms of pH Levels)	6	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Product Testing/ Consumer Science	908 Team	3rd	Daniel	Figuroa-Valdez	Measuring pH Levels in Drinking Water Products to Determine Which Are Healthier (In Terms of pH Levels)	6	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Environmental Sciences & Management	742	4th	Ana	Banda Carrillo	How Does Diet affect Red Earthworms Population and Soil?	6	Our Lady of Guadalupe Academy	J. Patton
JD	Animal Sciences	502 Team	1st	Preston	Bove	Dog Saliva vs. Human Saliva	7	St. John School - Encinitas, CA	G. Heins
JD	Animal Sciences	502 Team	1st	Carlie	Burns	Dog Saliva vs. Human Saliva	7	St. John School - Encinitas, CA	G. Heins
JD	Behavioral & Social Sciences	518	1st	Gabriela	Alfaro	Do People Prefer/Use E-Books or Print Books for Leisure Reading?	7	Nazareth School	M. Reed
JD	Behavioral & Social Sciences	523 Team	1st	Taylor	Belanich	Who Follows the Rules?	7	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	523 Team	1st	Grace	Howard	Who Follows the Rules?	7	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	542	1st	Sophia	Frank	Does Color Have an Effect on Our Memory?	7	St. John School - Encinitas, CA	G. Heins
JD	Behavioral & Social Sciences	556	1st	Lily	Masi	Investigating Anxiety Levels In Preadolescent Vs. Adolescent Children	7	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	562	1st	Shane	Montal	The Effect of Teaching Nonverbal Communication on Nonverbal Communication Knowledge	7	The Children's School	D. Quincannon

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JD	Behavioral & Social Sciences	584	1st	Ellie	Sipper	How Does the Color of the Logo Affect Kids' Emotions?	7	Nazareth School	M. Reed
JD	Behavioral & Social Sciences	586	1st	Evelyn	Sugapong	News: Believably False, or Unbelievably True?	7	Bonita Vista Middle School	C. Cardenas
JD	Biochemistry	602	1st	Hafsah	Kazi	Turmeric: The Effect on Metals in Healthy Cells	7	Bright Horizon Academy	N. Naserelddin
JD	Chemistry	619	1st	Samuel	Figuroa	Instant Drinks	7	Corfman School	I. Leon
JD	Chemistry	621	1st	Alexis	Green	Types of Paint and Temperature vs Drying Time	7	St. Michael Academy San Diego	M. Escalante
JD	Engineering: Electrical & Mechanical	673	1st	Chris	Choi	Solectricity	7	Corfman School	I. Leon
JD	Engineering: Energy & Transport	714	1st	Kashifa	Vellore	Harvesting Piezoelectricity from Commonly Used Devices	7	Bernardo Heights Middle School	L. Cao
JD	Engineering: Materials & Bionengineering	726	1st	Veronica	Griger	Is It Possible to Make a Biodegradable Straw Out of Casein Plastic?	7	Coastal Academy	B. Biernacki
JD	Engineering: Materials & Bionengineering	730 Team	1st	Marcos	McKone-Sweet	Paper Airplanes Air Dynamics	7	St. Michael's School - Poway	J. Poling
JD	Engineering: Materials & Bionengineering	730 Team	1st	Colten	Tretinjak	Paper Airplanes Air Dynamics	7	St. Michael's School - Poway	J. Poling
JD	Environmental Sciences & Management	758 Team	1st	Rohan	Keswani	Documenting the Prevalence of Invasive Species at the Batiquitos Lagoon	7	The Rhoades School	R. Hunker
JD	Environmental Sciences & Management	758 Team	1st	Elias	Samady	Documenting the Prevalence of Invasive Species in the Batiquitos Lagoon	7	The Rhoades School	R. Hunker

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Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Mathematical Sciences	777	1st	Nandana	Madhukara	Mathematical Origami Models for Space Structures Based on the Axial Compressibility of Cones	7	Pacific Trails Middle School	K. Freeman
JD	Medicine & Health Sciences	786	1st	Reem	Hmoud	One Step Closer to Ending Diabetes by Choosing the Right Variety of Rice	7	Bright Horizon Academy	N. Naserelddin
JD	Medicine & Health Sciences	806	1st	Sarah	Youssef	Will Organic Really Make a Difference?	7	Bright Horizon Academy	N. Naserelddin
JD	Medicine & Health Sciences	807	1st	Sydney	Zhang	Designing A Low-cost, High-sensitivity Method For Early Diagnosis Of Dry Eye Diseases	7	Mesa Verde Middle School	C. Cochran
JD	Microbiology	814	1st	Jonah	Berman	Comparing Bacteria Levels at Fast Food Restaurants	7	The Rhoades School	R. Hunker
JD	Microbiology	820	1st	Josh	Kozak	Is a Washed or Unwashed Egg Better at Protecting Against Bacteria	7	All Hallows Academy	J. Meza
JD	Microbiology	824	1st	Shannon	Stroup	Child and Adult Medical Clinic Waiting Rooms: Which Has More Bacteria?	7	Nazareth School	M. Reed
JD	Physics & Astronomy	834	1st	Sawyer	Benedict	Evaluating the Effectiveness of Light Shields Against Skyglow	7	The Rhoades School	R. Hunker
JD	Physics & Astronomy	834	1st	Jake	Streitman	Evaluating the Effectiveness of Light Shields Against Skyglow	7	The Rhoades School	R. Hunker
JD	Physics & Astronomy	838	1st	Vikramaditya Sidharth	Chandra	Why the Moon Appears Larger Occasionally	7	San Elijo Middle School	S. Bireddy
JD	Physics & Astronomy	843	1st	Micah	Hall	Model Rocket Aerodynamics	7	Mt. Helix Academy	J. Hudson
JD	Physics & Astronomy	853	1st	Tejas	Ravi	The Effects of Various Wavelengths on Rod Activity	7	The Rhoades School	R. Hunker

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JD	Product Testing/ Consumer Science	895	1st	Siena	Bateman	Gender Bias by Color in Kids Clothing Stores	7	The Children's School	D. Quincannon
JD	Product Testing/ Consumer Science	909	1st	Abdullahi	Gelle	Plastic in Rice	7	Bright Horizon Academy	N. Naserleddin
JD	Product Testing/ Consumer Science	918	1st	Marcelo	Jaber	Testing Different Glues in Different Temperatures	7	St. Didacus Parish School	R. Blickenstaff
JD	Product Testing/ Consumer Science	919 Team	1st	Jackson	Ritterbeck	The Effect of Shoe Type on Jumping	7	City Tree Christian School	M. Lee
JD	Product Testing/ Consumer Science	919 Team	1st	Valentino	Jimenez	The Effect of Shoe Type on Jumping	7	City Tree Christian School	M. Lee
JD	Product Testing/ Consumer Science	922	1st	James	Leos	Synthetic vs Conventional	7	St. Didacus Parish School	R. Blickenstaff
JD	Product Testing/ Consumer Science	925	1st	Killian	McGinnis	Football Helmet Safety	7	St. Didacus Parish School	R. Blickenstaff
JD	Product Testing/ Consumer Science	930	1st	Jackson	Pawl	Best Bottle Brand	7	All Hallows Academy	J. Meza
JD	Behavioral & Social Sciences	531	2nd	Cooper	Chapman	How Will Gender Effect Financial Bias?	7	The Children's School	D. Quincannon
JD	Behavioral & Social Sciences	541	2nd	Mariam	Eldegwy	The Effect of Gender on Short-Term Memory	7	Bright Horizon Academy	N. Naserleddin
JD	Behavioral & Social Sciences	554	2nd	Christopher	Lindgren	Reaction Time	7	St. Didacus Parish School	R. Blickenstaff
JD	Behavioral & Social Sciences	565 Team	2nd	Jenan	Muzaini	How Likely are People to Conform to Groups?	7	Bright Horizon Academy	N. Nasere;ddin

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JD	Behavioral & Social Sciences	578	2nd	Qudsia	Qarar	Comparing Paper and Computer	7	Bright Horizon Academy	N. Naserelddin
JD	Behavioral & Social Sciences	590	2nd	Aairah	Usmani	Do Different Colored Walls Make You Focus More?	7	Bright Horizon Academy	N. Naserelddin
JD	Chemistry	633	2nd	Jocelyn	Sweeney	Does Copper Ionization Work Better than Chemicals in Killing Algae?	7	Nazareth School	M. Reed
JD	Computer Science	649	2nd	Oscar	Plasencia	N-Gram Fitness!	7	Nazareth School	M. Reed
JD	Earth & Planetary Science	663	2nd	Gabriela	Serena	Wave Runup and Ocean Floor Composition	7	St. Michael's School - Poway	J. Poling
JD	Engineering: Electrical & Mechanical	669	2nd	Kareem	Bassyouni	Shakeless Structures	7	Bright Horizon Academy	N. Naserelddin
JD	Engineering: Electrical & Mechanical	685	2nd	Thomas	Recalde	Can a Stirling Engine Run with a "Cold Source"?	7	St. Mary Star of the Sea School	J. Alonso
JD	Engineering: Electrical & Mechanical	691	2nd	Lorenzo	Valenzuela	Engineering a Hand	7	Corfman School	I. Leon
JD	Engineering: Energy & Transport	694	2nd	Cameron	Brooks	Why Does a Wind Turbine Need to Have a Good Aerodynamic Design	7	Bonita Vista Middle School	C. Shimasaki
JD	Engineering: Energy & Transport	705	2nd	Ronit	Munshi	Robotic Insect	7	Carmel Valley Middle School	Siobhan C. Kelly
JD	Engineering: Energy & Transport	706	2nd	Luke	O'Leary	Effects of Temperature on Hydroelectric Energy	7	St. Gregory the Great Catholic School	S. Dasgupta
JD	Engineering: Materials & Bionengineering	718	2nd	Ziyad	Aly	Hydraulic Powered Robot Cardboard Arm	7	Bright Horizon Academy	N. Naserelddin

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JD	Engineering: Materials & Bionegineering	722	2nd	Ethan	Copon	Can You Trust Your Truss?	7	Bonita Vista Middle School	J. Stell
JD	Engineering: Materials & Bionegineering	734 Team	2nd	Christabella	Wilson	Phone Holder	7	St. Michael's School - Poway	J. Poling
JD	Engineering: Materials & Bionegineering	734 Team	2nd	Alexandra	Toth	Phone Holder	7	St. Michael's School - Poway	J. Poling
JD	Engineering: Materials & Bionegineering	736	2nd	Philip	Knaption	What Material of Baseball Bats Have the Higher Exit Velocity	7	Nazareth School	M. Reed
JD	Environmental Sciences & Management	757	2nd	Tanner	Kamencik	Would a Black Solar Tube Filled with Water Gain More Energy Than a White Solar Tube Filled with Water?	7	All Hallows Academy	J. Meza
JD	Medicine & Health Sciences	783 Team	2nd	Gustavo	Serena	Hearing Loss When You Use Headphones, Earbuds, and Airpods	7	St. Michael's School - Poway	K. McHale
JD	Medicine & Health Sciences	783 Team	2nd	Patrick	Dockery	Hearing Loss When You Use Headphones, Earbuds, Airpods	7	St. Michael's School - Poway	K. McHale
JD	Medicine & Health Sciences	791 Team	2nd	Audrey	Link	Investigating Antimicrobial Properties of Eco-Friendly Herbal Disinfectants	7	The Rhoades School	R. Hunker
JD	Medicine & Health Sciences	791 Team	2nd	Divya	Sharma	Investigating Antimicrobial Properties of Eco-Friendly Herbal Disinfectants	7	The Rhoades School	R. Hunker
JD	Microbiology	817	2nd	Ema	Escobar	The Five Second Rule	7	St. Didacus Parish School	R. Blickenstaff
JD	Microbiology	823	2nd	Sarah	Shlemon	Time to Glow: The Effect of Agitation on Dinoflagellate Bioluminescence	7	Classical Conversations	J. Shlemon
JD	Microbiology	827	2nd	Michelle	Wilson	How Much Bacteria Accumulates on the Sole of a Brand New Pair of Shoes	7	All Hallows Academy	J. Meza

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JD	Physics & Astronomy	831	2nd	Jacques	Allende	What Tennis String Produces the Most Spin and Power	7	Nazareth School	M. Reed
JD	Physics & Astronomy	839	2nd	Ayann	Diones	Which Color Absorbs the Greatest Amount of Radiant Energy?	7	St. Michael Academy San Diego	M. Escalante
JD	Physics & Astronomy	840	2nd	Jackson	Faust	Light Pollution	7	St. John School - Encinitas, CA	G. Heins
JD	Physics & Astronomy	841	2nd	Lucas	Fouch	Make a Hit Chart Like a Pro	7	Bonita Vista Middle School	C. Shimasaki
JD	Plant Sciences	863	2nd	Jodie Marie	Cagayao	Wifi the Death to Plants?	7	St. Michael Academy San Diego	M. Escalante
JD	Product Testing/ Consumer Science	893	2nd	Finley	Alford	Effects of Heat on Fishing Line	7	All Hallows Academy	J. Meza
JD	Product Testing/ Consumer Science	898 Team	2nd	Andalyn	Bray	The Effects of Ultra Violet Light on Printer Ink	7	St. Michael's School - Poway	J. Poling
JD	Product Testing/ Consumer Science	898 Team	2nd	Annie	Mara	The Effects of Ultra Violet Light on Printer Ink	7	St. Michael's School - Poway	J. Poling
JD	Product Testing/ Consumer Science	903	2nd	Nicolas	DeSouza	Which Helmet is Safer - Hockey or Football Helmet?	7	All Hallows Academy	J. Meza
JD	Product Testing/ Consumer Science	911	2nd	Melania	Gorou	What Is In Your Water	7	Nazareth School	M. Reed
JD	Product Testing/ Consumer Science	917	2nd	Alexandria	Hulse	Testing Pointe Shoe Pads	7	Nazareth School	M. Reed
JD	Product Testing/ Consumer Science	921	2nd	Avery	Lay	Biodegradable Straws	7	St. Didacus Parish School	R. Blickenstaff

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JD	Product Testing/ Consumer Science	936	2nd	Jonah	Villafana	Steak Out: What Works Best to Tenderize Steak	7	St. Pius X School	R. Doyle
JD	Animal Sciences	509	3rd	Sophie	Lawler- Ehr	Horse Heart Beats	7	St. Peter the Apostle Catholic School	T. Fantano
JD	Animal Sciences	511	3rd	Robbie	Patterson	Paw Dominance in Dogs	7	St. Didacus Parish School	R. Blickenstaff
JD	Animal Sciences	512	3rd	Emmanuel	Penalosa	What Foods Do Dogs Prefer?	7	St. Michael Academy San Diego	M. Escalante
JD	Behavioral & Social Sciences	526 Team	3rd	Sabrina	Calderon	InCreativity	7	St. Michael's School - Poway	J. Poling
JD	Behavioral & Social Sciences	526 Team	3rd	Shaelan	Myhra	InCreativity	7	St. Michael's School - Poway	J. Poling
JD	Behavioral & Social Sciences	535	3rd	Olivia	Degodoy	Gamers vs Non-gamers Reaction Times	7	Bonita Vista Middle School	C. Shimasaki
JD	Behavioral & Social Sciences	560	3rd	Kelsie	McNamara	Social Media	7	St. John School - Encinitas, CA	G. Heins
JD	Behavioral & Social Sciences	564	3rd	Grace	Mulvey	Real or Fake Smile	7	St. Didacus Parish School	R. Blickenstaff
JD	Biochemistry	603	3rd	Jaren	Kishimoto	Electricity in Fruits and Vegetables	7	St. Michael's School - Poway	J. Poling
JD	Biochemistry	604	3rd	Isabella	Matias	Which Apple Will Win?	7	Bonita Vista Middle School	C. Shimasaki
JD	Computer Science	640 Team	3rd	Koe	Goodsell	Generating Color Through Coding an Infinity Mirror	7	The Rhoades School	R. Hunker

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JD	Computer Science	640 Team	3rd	Logan	Benintend	Generating Color Through Coding an Infinity Mirror	7	The Rhoades School	R. Hunker
JD	Computer Science	643	3rd	Emilio	Cisneros	What Materials Block WiFi Signal	7	Bonita Vista Middle School	C. Cardenas
JD	Earth & Planetary Science	654	3rd	Kalani	Adolpho	Is the Size of the Tornado Affected by Water Temperature ?	7	Nativity School	T. Lunn
JD	Earth & Planetary Science	661	3rd	Joe	Rascon	Plants & Colors	7	St. Didacus Parish School	R. Blickenstaff
JD	Earth & Planetary Science	665	3rd	Kandice	Alvarado	The Impact of Light Pollution	7	Corfman School	I. Leon
JD	Engineering: Electrical & Mechanical	675	3rd	Isabella	Garcia	How do Photovoltaic Modules React to Temperature?	7	Bonita Vista Middle School	C. Shimasaki
JD	Engineering: Energy & Transport	712	3rd	Daniel	Slinsky	Rocket Models	7	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Engineering: Materials & Bionengineering	731	3rd	Liam	Patterson	Structures that Reduce Tsunami Damage	7	St. Didacus Parish School	R. Blickenstaff
JD	Environmental Sciences & Management	748 Team	3rd	Jacob	MacNab	Which Interior is Most Economical?	7	St. Michael's School - Poway	K. McHale
JD	Environmental Sciences & Management	748 Team	3rd	Sebastian	Dailey	Which Interior is Most Economical?	7	St. Michael's School - Poway	K. McHale
JD	Environmental Sciences & Management	750	3rd	Raquel	Delgado	How Much Air Pollution is There in Places Visited Every Day	7	All Hallows Academy	J. Meza
JD	Environmental Sciences & Management	769	3rd	Alex	Rotunda	Raise the Roof	7	St. Peter the Apostle Catholic School	T. Fantano

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JD	Medicine & Health Sciences	781 Team	3rd	Ella	Azkeh	Are Fingerprint Patterns Inherited	7	St. John School - Encinitas, CA	G. Heins
JD	Medicine & Health Sciences	781 Team	3rd	Evan	Dodds	Are Fingerprint Patterns Inherited?	7	St. John School - Encinitas, CA	G. Heins
JD	Medicine & Health Sciences	782 Team	3rd	Tyler	Duong	A Study of Padding	7	St. Michael's School - Poway	K. McHale
JD	Medicine & Health Sciences	782 Team	3rd	Ethan	Bertellotti	A Study of Padding	7	St. Michael's School - Poway	K. McHale
JD	Medicine & Health Sciences	793	3rd	Marianna	Marasigan	Does Gender Affect How Often Arched Fingerprints Occur?	7	Wangenheim Middle School	T. Mendibles
JD	Medicine & Health Sciences	805	3rd	Ivan	Valadez	Feel the Burn	7	Barbara Worth Junior High School	C. Calip
JD	Microbiology	816	3rd	Sofia	Calatroni	What Prevents Germ Growth the Most - Cold Temperatures, Copper, or Disinfecting wipes	7	All Hallows Academy	J. Meza
JD	Physics & Astronomy	844	3rd	Hayden	Hinds	Fluid Thickness and its Effects on Coil Efficiency	7	Nativity School	T. Lunn
JD	Physics & Astronomy	845	3rd	Ronald	Krajewski	Project Catapult	7	St. Michael's School - Poway	J. Poling
JD	Physics & Astronomy	856 Team	3rd	Santiago	Vidal	Does the Shape of a Parachute Affect Its Speed and Distance?	7	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Physics & Astronomy	856 Team	3rd	Diego	Sanchez	Does the Size of a Parachute Affect Its Landing	7	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Plant Sciences	866	3rd	Alexis	Hamel	How Does Attention Affect a Plant's Growth?	7	Mt. Helix Academy	J. Hudson

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JD	Plant Sciences	867	3rd	Hunter	Haynes	Comparing the Number of Stomata on Leaves of Bushes and Succulents	7	Eastlake Middle School	R. Martinez
JD	Plant Sciences	871	3rd	Gregory	Leong	Coffee Grounds in Action	7	St. Pius X School	R. Doyle
JD	Plant Sciences	873	3rd	Hayden	Marquez	Hydroponic Growing Methods VS Traditional Growing Methods	7	Bonita Vista Middle School	C. Shimasaki
JD	Product Testing/ Consumer Science	905	3rd	Dylan	Dullano	Coke versus Pepsi Blind Taste Test	7	St. Michael Academy San Diego	M. Escalante
JD	Product Testing/ Consumer Science	924	3rd	Alayna	Maake	Generic Versus Name Brand Cereals: Absorbability	7	St. Didacus Parish School	R. Blickenstaff
JD	Product Testing/ Consumer Science	926	3rd	Nicholas	Miranda	Got Apples?	7	St. Michael Academy San Diego	M. Escalante
JD	Product Testing/ Consumer Science	928	3rd	Cassie	Nguyen	The Pigmentation of Paint in Sunlight	7	St. Didacus Parish School	R. Blickenstaff
JD	Product Testing/ Consumer Science	932	3rd	Jayce	Tortona	How Does Temperature Affect Batteries	7	Bonita Vista Middle School	J. Stell
JD	Behavioral & Social Sciences	520 Team	4th	Isabella Joyce	Mercado	What Causes Us to Take Longer When Making a Decision at a Concession Stand?	7	St. Michael's School - Poway	J. Poling
JD	Behavioral & Social Sciences	520 Team	4th	Tea	Ballew	What Causes Us to Take Longer When Making a Decision at a Concession Stand?	7	St. Michael's School - Poway	J. Poling
JD	Behavioral & Social Sciences	550	4th	Jemma	Jones	Text Color and Readability	7	St. Didacus Parish School	R. Blickenstaff
JD	Behavioral & Social Sciences	569	4th	Frank Ray	Occhialini	Effectiveness of Lie Detector Tests	7	St. Didacus Parish School	R. Blickenstaff

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JD	Behavioral & Social Sciences	570	4th	Elias	O'Hollaren	The Effect of Video Games on Heart Rate	7	St. Didacus Parish School	R. Blickenstaff
JD	Environmental Sciences & Management	743 Team	4th	Sofia	Esguerra	How to Clean Up an Oil Spill	7	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Environmental Sciences & Management	743 Team	4th	Celeste	Bernal	How to Clean Up an Oil Spill	7	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Environmental Sciences & Management	751	4th	Colin	Dionne	Reach for the Stars	7	St. Peter the Apostle Catholic School	T. Fantano
JD	Environmental Sciences & Management	759	4th	Joseph	Lambert	The Stirling Engine	7	Nativity School	T. Lunn
JD	Environmental Sciences & Management	762	4th	Stephanie	Liang	Water Filters: The Future of Helping Nature?	7	Bonita Vista Middle School	C. Cardenas
JD	Environmental Sciences & Management	768	4th	Ethan	Rhee	Cooking with the Sun	7	St. Didacus Parish School	R. Blickenstaff
JD	Environmental Sciences & Management	772	4th	Peyton	Slinkard	Effectiveness of Homemade Desalinators	7	St. Didacus Parish School	R. Blickenstaff
JD	Plant Sciences	864 Team	4th	Carlo	Castrejon	Which Ferrtilizer is Best for Plant Growth?	7	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Plant Sciences	864 Team	4th	Omar	Castro	Which Fertilizer is the Best for Plant Growth	7	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Plant Sciences	865	4th	Stefania	Garcia	What Type of Plants are More Flammable?	7	Bonita Vista Middle School	C. Cardenas
JD	Plant Sciences	879	4th	Sofia	Ortiz	Do Potted Plants Grow Taller Indoors or Outdoors?	7	St. Pius X School	R. Doyle

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JD	Plant Sciences	884 Team	4th	Morgyn	Stack	Plant vs. Fire	7	St. Peter the Apostle Catholic School	T. Fantano
JD	Plant Sciences	884 Team	4th	Chloe	Thomas	Plants vs Fire	7	St. Peter the Apostle Catholic School	T. Fantano
JD	Plant Sciences	885	4th	Sylvie	Taylor	Do Plants Grow the Fastest in Sandy or Clay Soil?	7	Mt. Helix Academy	K. Mac Donald
JD	Mathematical Sciences	778	NS	Simon	Nguyen	Polygon Area Calculator and Pi Estimator	7	Good Shepherd Catholic School	Mary A. McNeil
JD	Animal Sciences	501	1st	Mele	Barton	Investigating Plastic Contaminants Present in the Alimentary Tracts of Fish	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	521	1st	Zara	Bannister	Correlation of Psychological Flexibility Traits to Physical Displacement	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	522	1st	Maya	Bateman	The Effect of Your Age on How Scared You Are	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	540	1st	Leila	Elasaad	Testing the Effectiveness of the Flipped Classroom Model on Student Recall	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	546	1st	Karis	Goodwin	The Power of Suggestion	8	St. John School - Encinitas, CA	G. Heins
JD	Behavioral & Social Sciences	552	1st	Safwa	Khan	Effect of Color On Memory	8	Bright Horizon Academy	N. Nasereldin
JD	Behavioral & Social Sciences	553	1st	Lauren	Levi	Uncontrollable Laughter	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Behavioral & Social Sciences	559	1st	Zelma	Maya	The Effect of Clutter on Productivity	8	Soille San Diego Hebrew Day School	M. Bessler

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Behavioral & Social Sciences	576	1st	Denisse	Podolsky	Who Has Better Memory-- Introverts or Extroverts?	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Behavioral & Social Sciences	579	1st	Adriana	Quezada	It's All In Your Head: Inside a Stutterer's Brain	8	St. John School - Encinitas, CA	G. Heins
JD	Behavioral & Social Sciences	580	1st	Patrick	Rooney	The Effect of Country of Origin on Employment Opportunities	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	581	1st	Sammy	Ross	When Time Flies	8	San Diego Jewish Academy	L. Deveau
JD	Behavioral & Social Sciences	582	1st	Leia	Ryan	The Empathy Mechanism: Using a Quotient To Evaluate the Effects of Gender and Age	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	585	1st	Agastya	Sridharan	Quantifying the Impact of Search-Order Bias on Voting Preferences using a Simulated Web Environment	8	Thurgood Marshall Middle School	E. Schumacher
JD	Behavioral & Social Sciences	588 Team	1st	Jamie Jane	Weston	Exploring Effects of Transient Emotions on Short Term vs Long Term Recall	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	588 Team	1st	Mehar	Thaper	Exploring Effects of Transient Emotions on Short Term Vs Long Term Recall	8	The Rhoades School	R. Hunker
JD	Chemistry	613	1st	Jenevie	Bella	What Fabric is Most Absorbent of Water	8	Chula Vista Middle School	T. Tom
JD	Chemistry	625	1st	Jasmine	Killion	Does Soda Ash Make Tie Dye Brighter?	8	Mt. Helix Academy	J. Hudson
JD	Chemistry	627	1st	Racel	Ligeralde	More Than Just A Drink: Fuel Power At Peak	8	Good Shepherd Catholic School	Mary A. McNeil
JD	Chemistry	635	1st	Maya	Zagursky	What Recipe for Bath Bombs Makes the Fizziest Bath Bomb?	8	San Diego Jewish Academy	L. Deveau

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Computer Science	642 Team	1st	David	Samy	Fall Detection: Using Artificial Intelligence to Help the Elderly	8	The Rhoades School	R. Hunker
JD	Computer Science	642 Team	1st	Arjun	Chatha	Fall Detection: Using Artificial Intelligence to Help the Elderly	8	The Rhoades School	R. Hunker
JD	Computer Science	647	1st	Kai	Goodsell	Forecasting Stock Market Values Using Machine Learning	8	The Rhoades School	R. Hunker
JD	Computer Science	650 Team	1st	Rikhil	Rao	AI-Based Obstacle Detection and Notification for the Visually Impaired	8	Pacific Trails Middle School	S. Thacker
JD	Computer Science	650 Team	1st	Rahul	Rao	AI-Based Obstacle Detection and Notification for the Visually Impaired	8	Pacific Trails Middle School	S. Thacker
JD	Computer Science	651	1st	Aleister	Steadman	Using a Neural Network to Determine Emotion in Music	8	Wangenheim Middle School	M. Silva
JD	Earth & Planetary Science	657	1st	Marcus	Catanzaro	Percolation: Quantifying the Movement of Water Through Soil	8	Pacific Beach Middle School	G. Greenberg
JD	Earth & Planetary Science	664	1st	Sophia	Tamashiro	The Effect of Different Types of Sunscreens on Brine Shrimp	8	City Tree Christian School	M. Lee
JD	Engineering: Electrical & Mechanical	668 Team	1st	Ashur	Taylor	Constructing an Affordable Robotic Device that Automates Multiple Agricultural Tasks	8	The Rhoades School	R. Hunker
JD	Engineering: Electrical & Mechanical	668 Team	1st	Tom	Bamford	Constructing an Affordable Robotic Device that Automates Multiple Agricultural Tasks	8	The Rhoades School	R. Hunker
JD	Engineering: Electrical & Mechanical	677	1st	Jennine	Manalo	Generating Energy from Sewage Water Flow	8	St. Rita's Catholic School	A. Rice
JD	Engineering: Electrical & Mechanical	680	1st	Cecilia	Moxley	Motor's Role in Robot Mobility	8	De Portola Middle School	M. Bridges

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Engineering: Electrical & Mechanical	688	1st	Orion	Tamayo	Hand Motion Controlled Light	8	Farb Middle School	P. Huntington
JD	Engineering: Electrical & Mechanical	689	1st	Kyle	Tianshi	Raspberry Pi Powered Microscopic Particle Detector Using Image Processing	8	The Cambridge School High School	M. Mayne
JD	Engineering: Energy & Transport	697	1st	Asher	Duben	Energy Shoe	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Engineering: Energy & Transport	698	1st	Kyle	Estep	Soaring Through the Science of Rockets	8	Farb Middle School	P. Huntington
JD	Engineering: Energy & Transport	700 Team	1st	Ryan	Kim	Experimental System Designs to Improve Energy Efficiency of Vehicle in Real World Road Conditions	8	Mesa Verde Middle School	R. Bird
JD	Engineering: Energy & Transport	700 Team	1st	Jaeyoung	Jeon	Experimental System Designs to Improve Energy Efficiency of Vehicle in Real World Road Conditions	8	Mesa Verde Middle School	R. Bird
JD	Engineering: Energy & Transport	713	1st	Nicholas	Usher	Superconductors: The Future of Transportation?	8	Classical Academy Middle School	J. Morrow
JD	Engineering: Materials & Bionengineering	725	1st	Lilian	Englund	Bioplastics: Cleaning Up Our Oceans	8	St. Mary Star of the Sea School	J. Alonso
JD	Engineering: Materials & Bionengineering	735	1st	Vincent	Vu	Which Type of Inexpensive Soundproofing Produces Effective Soundproofing?	8	Wangenheim Middle School	T. Mendibles
JD	Environmental Sciences & Management	752 Team	1st	Adam	Esch	Quantifying the Effectiveness of <i>P. ostreatus</i> in Mycoremediation of Heavy Metals	8	The Rhoades School	R. Hunker
JD	Environmental Sciences & Management	752 Team	1st	Grace	Millikin	Quantifying the Effectiveness of <i>P. ostreatus</i> in Mycoremediation of Heavy Metals	8	The Rhoades School	R. Hunker
JD	Environmental Sciences & Management	764	1st	Willa	Norvell	Woolsey Fire Burnt Soil: Analyzing Factors for Native Plant Regrowth	8	The Rhoades School	R. Hunker

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Medicine & Health Sciences	787	1st	Daanya	Hussain	Are Probiotics Beneficial for Brain Health?	8	Bright Horizon Academy	N. Nasereiddin
JD	Medicine & Health Sciences	790	1st	Isabel	Lehmann	Climber's Chalk: Quantifying Exposure to Magnesium Carbonate Coarse and Fine Particulates	8	The Rhoades School	R. Hunker
JD	Medicine & Health Sciences	798	1st	Krishna	Nagarajan	The Effect of Simple Sugars on Adolescent Heart Rate	8	The Rhoades School	R. Hunker
JD	Medicine & Health Sciences	801	1st	Bhadra	Rupesh	Evaluating Single Nucleotide Polymorphisms in the Correlation of Phenotypes to Type 2 Diabetes	8	The Rhoades School	R. Hunker
JD	Microbiology	811	1st	Abigail	Arnold	The Antibacterial Properties of Manuka Honey in Relation to Its UMF Value	8	Mt. Helix Academy	J. Hudson
JD	Physics & Astronomy	833	1st	Jayden	Bamba	Wooden Secret Power Vs. Speed	8	Farb Middle School	P. Huntington
JD	Physics & Astronomy	846	1st	Silas	Kyne	Trailer Sway? No Way!	8	St. Joseph Academy	R. Hanson
JD	Physics & Astronomy	847	1st	Jack	Licha	Bumper to Bumper	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Physics & Astronomy	854	1st	Kylie	Reyes	Determining if Helium Filled Latex Balloons Lose Buoyancy at a Linear or Non-Constant Rate	8	Chula Vista Middle School	T. Tom
JD	Plant Sciences	872 Team	1st	Ryanne	Marcy	Pesky Pesticides	8	Coastal Academy	B. Biernacki
JD	Plant Sciences	872 Team	1st	Christina	Walley	Pesky Pesticides	8	Coastal Academy	B. Biernacki
JD	Plant Sciences	874	1st	Gizcel	Mendoza	Water Propagation vs Soil Propagation for Succulents	8	Wangenheim Middle School	M. Silva

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Plant Sciences	883	1st	Felicity	Shallan	An EGG-celent Fertilizer	8	Mt. Helix Academy	J. Hudson
JD	Plant Sciences	888	1st	Rebecca	Venger	The Effect of Extra Water on Closely Spaced Plants	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Product Testing/ Consumer Science	896 Team	1st	Neelan	Patel	Beat the Heat: Comparing the Effectiveness of Blacktop Coatings	8	The Rhoades School	R. Hunker
JD	Product Testing/ Consumer Science	896 Team	1st	James	Blue	Beat the Heat: Comparing the Effectiveness of Blacktop Coatings	8	The Rhoades School	R. Hunker
JD	Product Testing/ Consumer Science	900	1st	Nicole	Chamberlin	The Best Type of Sunscreen	8	St. Didacus Parish School	R. Blickenstaff
JD	Product Testing/ Consumer Science	901	1st	Anusha	Chatha	Harvesting Water: Testing the Effectiveness of Various Sized Mesh in Fog Nets	8	The Rhoades School	R. Hunker
JD	Product Testing/ Consumer Science	904	1st	Cameron	Do	Comparing the Effectiveness of Various Face Masks in Blocking Coarse and Fine Particulates	8	The Rhoades School	R. Hunker
JD	Product Testing/ Consumer Science	915	1st	Daniel	Hotz	Think Before You Drink: Testing the Effectiveness of Various Electrolyte Solutions	8	Mt. Helix Academy	J. Hudson
JD	Product Testing/ Consumer Science	916	1st	Jacob	Hotz	Skintastic Sunscreen	8	Mt. Helix Academy	J. Hudson
JD	Product Testing/ Consumer Science	927 Team	1st	Rosy	Montejo	Bottle of the Brands	8	St. Peter the Apostle Catholic School	T. Fantano
JD	Product Testing/ Consumer Science	927 Team	1st	Margaret	Nasry	Bottle of the Brands	8	St. Peter the Apostle Catholic School	T. Fantano
JD	Product Testing/ Consumer Science	929	1st	Alyna	Oquendo	The Effect of Isopropyl Alcohol vs Lysol Disinfectant	8	Chula Vista Middle School	G. Saclauso-Caro

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Animal Sciences	503	2nd	Karissa	Carlson	Worms Compost	8	St. Didacus Parish School	R. Blickenstaff
JD	Animal Sciences	507 Team	2nd	Angelina	Staines	Incubating Chicks: Will EO Water and UV Light Affect Hatchability?	8	St. Rita's Catholic School	A. Rice
JD	Animal Sciences	507 Team	2nd	Emiko	Hina	Incubating Chicks: Will EO Water and UV Light Affect Hatchability?	8	St. Rita's Catholic School	A. Rice
JD	Animal Sciences	508	2nd	Daneya	Hudgins	Dogs Vs. Humans: Who Can See Better in the Dark?	8	Farb Middle School	P. Huntington
JD	Animal Sciences	515	2nd	Ria	Rizo	Chicken Language Analysis over Time and Frequency	8	Mt. Everest Academy	N. Negus
JD	Behavioral & Social Sciences	524	2nd	Jorielle Nyla	Bettinger	Which Affects Adolescents' Mental Health More? Social Media vs. School	8	St. Michael Academy San Diego	M. Escalante
JD	Behavioral & Social Sciences	525 Team	2nd	Abigail	Shaull	Effects of Emotion on Vocal Volume	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	525 Team	2nd	Noa	Burrows	Effects of Emotion on Vocal Volume	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	532	2nd	Payslie	Childress	Can You Outsmart a 6th Grader	8	Carlton Hills Middle School	K. Ducharme
JD	Behavioral & Social Sciences	533	2nd	Mikayla	Crowe	The Effect of Gender on Participation in Sports	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	534	2nd	Jeremy	De Las Alas	Does the Awareness of a Positive Consequence Affect the Way You Work?	8	St. Michael Academy San Diego	M. Escalante
JD	Behavioral & Social Sciences	538	2nd	Vivian	Doan	Color and Preference	8	Farb Middle School	P. Huntington

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Behavioral & Social Sciences	544	2nd	Michelle	Goldwasser	Which Sex Trusts Themselves More Than Others?	8	San Diego Jewish Academy	L. Deveau
JD	Behavioral & Social Sciences	545	2nd	James	Gonzalez	Audiobooks & Literacy	8	St. John of the Cross Catholic School	G. Krumm
JD	Behavioral & Social Sciences	548	2nd	Marc	Jinich	Decision Making Biases: Nature vs. Nurture	8	San Diego Jewish Academy	L. Deveau
JD	Behavioral & Social Sciences	551	2nd	Alana	Kelly	The Effect of Varying Reading Speeds on Reading Comprehension for Dyslexics	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	563	2nd	Ashley	Montiel	What Do You See?	8	St. Michael Academy San Diego	M. Escalante
JD	Behavioral & Social Sciences	565 Team	2nd	Arissa	Usmani	How Likely are People to Conform to Groups?	8	Bright Horizon Academy	N. Nasereldin
JD	Behavioral & Social Sciences	566	2nd	Wesley	Nesbitt	The Effects of Roris Marini on Recall in Adolescent Test Subjects	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	567 Team	2nd	Annabella	Nguyen	How Different Scenarios Affect Us	8	Farb Middle School	P. Huntington
JD	Behavioral & Social Sciences	567 Team	2nd	Isabel	Sanchez	How Different Scenarios Affect Us	8	Farb Middle School	P. Huntington
JD	Behavioral & Social Sciences	571 Team	2nd	Trey	Telfer	Running at the Speed of Music	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	571 Team	2nd	Luke	Palmer	Running at the Speed of Music	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	573	2nd	Maya	Pastuszko	The Effect of Colors on People with in Different Ages	8	The Children's School	D. Quincannon

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Behavioral & Social Sciences	574	2nd	Sonali	Pathria	The Affect of the Similarity of Appearance on How Attractive and Persuasive You Find That Person	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	591	2nd	Nicole	Vosburgh	The Stroop Effect in Action	8	St. John School - Encinitas, CA	G. Heins
JD	Behavioral & Social Sciences	592	2nd	Henry	Wilson	The Most Eye Catching Color	8	St. Didacus Parish School	R. Blickenstaff
JD	Behavioral & Social Sciences	593	2nd	Calvin	Yaruss	Which Facial Expression Can Be Most Easily Be Detected and Why?	8	The Children's School	T. Brown
JD	Biochemistry	600	2nd	Kai	Do	How Does L-ascorbic Acid Affect the ph Levels of Tilapia Skin	8	Wangenheim Middle School	M. Silva
JD	Biochemistry	605	2nd	Samantha Gail	Tawatao	Does the Amount of Detergent Affect the Amount of DNA Extracted from a Banana?	8	Wangenheim Middle School	T. Mendibles
JD	Biochemistry	606	2nd	Vincent	Venverloh	Does Amount of Water Within a Substance Effect Energy Obtainable	8	The Children's School	T. Brown
JD	Chemistry	612	2nd	Harris	Azhand	How Does the Type of Carbon Affect the Clarity of Filtered Colored Water?	8	Wangenheim Middle School	T. Mendibles
JD	Chemistry	614	2nd	Christina	Cornejo	Separating Hydrogen and Oxygen from Water	8	St. Rita's Catholic School	A. Rice
JD	Chemistry	620	2nd	Sam	Fries	Water and Nitrates	8	St. Didacus Parish School	R. Blickenstaff
JD	Chemistry	624	2nd	Lorelei	Jackson	Vitmain C Levels at Different Ripening Stages of a Bell Peper	8	St. Mary Star of the Sea School	J. Alonso
JD	Chemistry	626	2nd	Eliyahu	Lapp	Get Your Oils Ready	8	Soille San Diego Hebrew Day School	M. Bessler

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Chemistry	631	2nd	Catherine	Singer	What Wrapping Material Preserves Apples the Best: Ziploc Bags, Reynolds Wrap, or Glad Cling Wrap?	8	Mt. Helix Academy	J. Hudson
JD	Chemistry	632	2nd	Yi	Sun	Do Different Salt Types, Kosher, Sea Salt, and Pink Salt Have the Same Effect on the Time It Takes Ice to Melt?	8	Wangenheim Middle School	T. Mendibles
JD	Computer Science	639	2nd	Ashton	Anderson	Using Machine Learning to Detect and Identify Food Products for the Sight Impaired.	8	Correia Middle School	J. Flosky
JD	Computer Science	646	2nd	Emilio	Gandara	Coding a Game	8	St. John of the Cross Catholic School	G. Krumm
JD	Earth & Planetary Science	655	2nd	Morgan	Brady	Why is there Extra Light in our Skies?	8	Stella Maris Academy	A. Jones
JD	Earth & Planetary Science	658	2nd	Alecsandra	Inocentes	The Effect of Salt Level on Plant Growth	8	St. Michael Academy San Diego	M. Escalante
JD	Engineering: Electrical & Mechanical	678	2nd	Nathan	McKinney	Mapping the Field of an Electromagnet	8	Good Shepherd Catholic School	Mary A. McNeil
JD	Engineering: Electrical & Mechanical	681	2nd	Leanne	Murray	Which Dome Should Be Your Home?	8	Wangenheim Middle School	M. Silva
JD	Engineering: Electrical & Mechanical	686	2nd	Jaime	Santos	Electromagnetism and Speakers	8	Corfman School	C. Butler
JD	Engineering: Energy & Transport	699	2nd	Shane	Garcia	Aero - Potato	8	St. John School - Encinitas, CA	G. Heins
JD	Engineering: Energy & Transport	715	2nd	Alondra	Villa	What's the Best Cooking Pot Material?	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Engineering: Materials & Bionengineering	720	2nd	Sofia	Ayesta-Hollstein	The New Water Solution	8	Stella Maris Academy	A. Jones

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Engineering: Materials & Bionegineering	728	2nd	Cooper	Lynch	Why It Breaks	8	San Diego Jewish Academy	L. Deveau
JD	Engineering: Materials & Bionegineering	733	2nd	Daniela	Teran	Heat Resistance of Concrete	8	St. Didacus Parish School	R. Blickenstaff
JD	Environmental Sciences & Management	741	2nd	Korina	Apostol	Which Form of Insulation is Most Effective in Retaining the Temperature of Hot Green Tea at 0 Degrees Fahrenheit?	8	St. Michael Academy San Diego	M. Escalante
JD	Environmental Sciences & Management	756	2nd	Fatuma	Ismail	Can Bacteria Break Down Engine Oil?	8	Bright Horizon Academy	N. Nasereldin
JD	Environmental Sciences & Management	760	2nd	Kyla	Lay	Flowers and Erosion	8	St. Didacus Parish School	R. Blickenstaff
JD	Environmental Sciences & Management	761	2nd	Kayla	Leung	How Much Carbon Dioxide is Produced by Different Gas Sources?	8	St. Michael Academy San Diego	M. Escalante
JD	Environmental Sciences & Management	765	2nd	Alyssa	Ortega	Air Pollutants In Our Environment	8	Corfman School	C. Butler
JD	Environmental Sciences & Management	767 Team	2nd	Kaitlyn	Podlich	Exploring Water Quality at the Buena Vista Lagoon	8	The Rhoades School	R. Hunker
JD	Environmental Sciences & Management	767 Team	2nd	Kelly	Bordine	Exploring Water Quality at the Buena Vista Lagoon	8	The Rhoades School	R. Hunker
JD	Environmental Sciences & Management	773	2nd	Valeria	Teran	Soil Bearing Capacity	8	St. Didacus Parish School	R. Blickenstaff
JD	Environmental Sciences & Management	774	2nd	Emely	Larios	Constructing Bio-Plastic as a Replacement for the Traditional Petoleum Based Plastic	8	Chula Vista Middle School	T. Tom
JD	Mathematical Sciences	776	2nd	Levi	Katriel	Analyzing NFL Statistics To Determine Impacts of Injuries on Team Performance	8	The Rhoades School	R. Hunker

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Medicine & Health Sciences	785	2nd	Sameer	Goswami	Investigating Lead Contamination in Children's Consumer Products	8	The Rhoades School	R. Hunker
JD	Medicine & Health Sciences	789	2nd	Eljen	Lacibal	The Effect of Different Liquids on a Liver	8	Wangenheim Middle School	M. Silva
JD	Medicine & Health Sciences	795	2nd	Samantha	Meram	Can Your Phone Really Kill You?	8	Corfman School	C. Butler
JD	Medicine & Health Sciences	796	2nd	Sofia	Meyers	Does Being on Your Phone Make You Blink More?	8	St. John School - Encinitas, CA	G. Heins
JD	Medicine & Health Sciences	802	2nd	Moshe	Shaked	Protecting Screens	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Medicine & Health Sciences	803	2nd	Alek	Singer	Does BMX Improve Balance	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Microbiology	819	2nd	Sophie	Howard	How Much Bacteria is Really on Your Toothbrush?	8	St. John School - Encinitas, CA	G. Heins
JD	Microbiology	826	2nd	Erin Grace	Tuscano	Testing the Effectiveness of Commercially Available Water Filters for Total Dissolved Solids and Microbial Growth	8	St. Michael Academy San Diego	M. Escalante
JD	Microbiology	828	2nd	Ella	Yerushalmi	SCOBY-doo. Where Are You? A Scientific Kombucha Experiment	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Physics & Astronomy	836	2nd	Margherita	Buratti	How to Get Out of Quicksand	8	The Children's School	D. Quincannon
JD	Physics & Astronomy	842	2nd	Ty	Gagiolo	Non-Newtonian Fluids vs. Projectile	8	St. Didacus Parish School	R. Blickenstaff
JD	Physics & Astronomy	849	2nd	Breanna	Machuca	Does the Size of a Parachute Alter Its Landing Speed	8	Chula Vista Middle School	T. Tom

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Physics & Astronomy	851	2nd	Andreina	Ortiz	Rolling Friction	8	St. Didacus Parish School	R. Blickenstaff
JD	Physics & Astronomy	852	2nd	Matthew	Pullman	The Parachute Predicament	8	St. Joseph Academy	R. Hanson
JD	Physics & Astronomy	855	2nd	Samantha	Ryan	How Does the Shape of a Paper Airplane Affect Its Ability to Fly?	8	St. Mary Star of the Sea School	J. Alonso
JD	Plant Sciences	868	2nd	Ashley	Hurd	Does Highlighter Ink or Tonic Water Produce a More Luminescent Carnation?	8	Wangenheim Middle School	T. Mendibles
JD	Plant Sciences	869	2nd	Jedrick	Kantala	The Effects of Powder Metal on Grass	8	Wangenheim Middle School	T. Mendibles
JD	Plant Sciences	870	2nd	Rozita	Kareem	Effect of Elements on Plants	8	Bright Horizon Academy	N. Nasereldin
JD	Plant Sciences	886	2nd	Arielle	Timmtan	The Effect of Aloe Vera Gel on Tomatoes	8	Wangenheim Middle School	T. Mendibles
JD	Plant Sciences	887	2nd	Noor	ValeCruz	The Effect of DIY Liquid Fertilizer on the Growth of Squash Plants	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Product Testing/ Consumer Science	894	2nd	Andrew	Barsoumian	Swimming Suit Speed	8	St. Joseph Academy	R. Hanson
JD	Product Testing/ Consumer Science	897 Team	2nd	Carter	Halenza	Documenting Ball Pressure Changes and Subsequent Effects on Performance	8	The Rhoades School	R. Hunker
JD	Product Testing/ Consumer Science	897 Team	2nd	Maddox	Brandenburg	Documenting Ball Pressure Changes and Subsequent Effects on Performance	8	The Rhoades School	R. Hunker
JD	Product Testing/ Consumer Science	907	2nd	Elisheva	Ertel	Straws for a Cause	8	Soille San Diego Hebrew Day School	M. Bessler

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Product Testing/ Consumer Science	910 Team	2nd	Romina	Sierra	Toilet Paper Breaking Point	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Product Testing/ Consumer Science	910 Team	2nd	Sarai	Gonzalez	Toilet Paper Breaking Point	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Product Testing/ Consumer Science	912	2nd	Noelle	Gray	Which Baking Method Works Best for Cheesecakes?	8	Carlton Hills Middle School	K. Ducharme
JD	Product Testing/ Consumer Science	913	2nd	Katie	Hayek	Soaking Up the Sun	8	St. Peter the Apostle Catholic School	T. Fantano
JD	Product Testing/ Consumer Science	931	2nd	Yacob	Serawit	Pulp or No Pulp?	8	St. Didacus Parish School	R. Blickenstaff
JD	Product Testing/ Consumer Science	934	2nd	Katie	Tran	Gloss and Glimmer: Which Will Be the Last Shimmer	8	Carlton Hills Middle School	K. Ducharme
JD	Product Testing/ Consumer Science	935	2nd	Quynh	Tran	How Effective are Household Items on Removing Permanent Marker on Plastic?	8	Wangenheim Middle School	T. Mendibles
JD	Animal Sciences	504	3rd	Aidan	Cook	Magnetic Regeneration for Planaria	8	St. Didacus Parish School	R. Blickenstaff
JD	Animal Sciences	505	3rd	Cassara	Cummins	Oil Removed from Feathers	8	St. Didacus Parish School	R. Blickenstaff
JD	Animal Sciences	510	3rd	Jessica	Nunez Vazquez	Marine Environmental Change	8	Farb Middle School	P. Huntington
JD	Animal Sciences	513	3rd	Kaia	Prince	Most Popular Bird Seed	8	St. Didacus Parish School	R. Blickenstaff
JD	Animal Sciences	514	3rd	Cianna	Quintero	Worm Growth and Kitchen Wastes	8	Chula Vista Middle School	G. Saclauso-Caro

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Behavioral & Social Sciences	519	3rd	Piper	Baes	Personal Personality	8	St. Peter the Apostle Catholic School	T. Fantano
JD	Behavioral & Social Sciences	527	3rd	Griffin	Cappiello	Effects of Positive Vocalizations On Athletic Performance	8	The Rhoades School	R. Hunker
JD	Behavioral & Social Sciences	528	3rd	George	Carr	Does Where You Sit Affect Your Test Scores?	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	536	3rd	Gerrel	Dela Cruz	Autism's Bizarre Adventure	8	Farb Middle School	P. Huntington
JD	Behavioral & Social Sciences	539	3rd	Rebecca	Dolin	Perception: Positive or Negative Space	8	Carlton Hills Middle School	K. Ducharme
JD	Behavioral & Social Sciences	543	3rd	Andrea	Galicot	Which Ages Have Better Teamwork	8	San Diego Jewish Academy	L. Deveau
JD	Behavioral & Social Sciences	547	3rd	Ian	Housden	The Effect of Sound on Heart Rate	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	555	3rd	Mayela	Lopez	Accuracy of Eyewitness Testimony	8	St. Didacus Parish School	R. Blickenstaff
JD	Behavioral & Social Sciences	558	3rd	Ava	Maudal	Aptitude on Attitude	8	St. John School - Encinitas, CA	G. Heins
JD	Behavioral & Social Sciences	561	3rd	Paul	Montal	Does the Type of Group You Work with Affect Math Test Scores?	8	The Children's School	T. Brown
JD	Behavioral & Social Sciences	572	3rd	John	Pascual	Music As A Tool	8	St. Michael Academy San Diego	M. Escalante
JD	Behavioral & Social Sciences	575	3rd	Emma	Persichilli	How Colored Packaging Affects Children's Food Choices	8	St. Didacus Parish School	R. Blickenstaff

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Behavioral & Social Sciences	583 Team	3rd	Matthew	Savage	The Stroop Effect	8	St. Didacus Parish School	R. Blickenstaff
JD	Behavioral & Social Sciences	583 Team	3rd	Sean	Savage	The Stroop Effect	8	St. Didacus Parish School	R. Blickenstaff
JD	Behavioral & Social Sciences	587	3rd	Wegahta	Tadesse	Reaction Time and Ages	8	St. Didacus Parish School	R. Blickenstaff
JD	Biochemistry	607	3rd	Kevin	Vogel	Effect of Plastic Source on the Rate of Biodegradability	8	Chula Vista Middle School	G. Saclauso Caro
JD	Chemistry	615	3rd	Lukky	De Guzman	Preventing Condensation on Eyeglasses	8	Chula Vista Middle School	T. Tom
JD	Chemistry	616	3rd	Nathan	Do	Acid Attack	8	Farb Middle School	P. Huntington
JD	Chemistry	617	3rd	Victoria	Dyakova	Glycerin and Soap Bubbles	8	Wangenheim Middle School	T. Mendibles
JD	Chemistry	623	3rd	Annalee	Haim	Holy Crap!	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Chemistry	628	3rd	Eitan	Maman	Is Your H2O the Way to Go	8	San Diego Jewish Academy	L. Deveau
JD	Chemistry	629	3rd	Evangeline	Mayne	Slime Stretchiness	8	The Cambridge School High School	M. Mayne
JD	Chemistry	634	3rd	Daniela	Szajkowski	Marshmallow Density	8	St. Mary Star of the Sea School	J. Alonso
JD	Computer Science	641	3rd	Liora	Berg	Look Away: Vision App	8	Soille San Diego Hebrew Day School	M. Bessler

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Computer Science	644	3rd	Diego	Cruz	At What Angle Does Light Show Up the Clearest in a Spectrometer?	8	Wangenheim Middle School	M. Silva
JD	Computer Science	645 Team	3rd	Jacob	Gracias	Programming a Tic-Tac-Toe Game	8	St. John of the Cross Catholic School	G. Krumm
JD	Computer Science	645 Team	3rd	Mateo	Gamboa	Programming a Tic-Tac-Toe Game	8	St. John of the Cross Catholic School	G. Krumm
JD	Earth & Planetary Science	659	3rd	Julia	Kaplan	Which Oil Makes the Best Rainbow?	8	San Diego Jewish Academy	L. Deveau
JD	Earth & Planetary Science	660 Team	3rd	Kaia	Lam	How Does Temperature Affect the Mineral Amount In Different Types of Water?	8	Wangenheim Middle School	M. Silva
JD	Earth & Planetary Science	660 Team	3rd	Emily	Tran	How Does Temperature Affect the Mineral Amount in Different Types of Water?	8	Wangenheim Middle School	M. Silva
JD	Engineering: Electrical & Mechanical	667 Team	3rd	Michael	Apalatea	The Memory Metal	8	St. John School - Encinitas, CA	G. Heins
JD	Engineering: Electrical & Mechanical	667 Team	3rd	Brendan	Cordaro	The Memory Metal	8	St. John School - Encinitas, CA	G. Heins
JD	Engineering: Electrical & Mechanical	670 Team	3rd	Ashley	Sanchez	What They Can't See May Hurt Them	8	St. Rita's Catholic School	A. Rice
JD	Engineering: Electrical & Mechanical	670 Team	3rd	Abigail	Bayot	What They Can't See May Hurt Them	8	St. Rita's Catholic School	A. Rice
JD	Engineering: Electrical & Mechanical	671	3rd	Gavin	Britt	Which Angle of a Solar Panel Creates the Most Electricity?	8	De Portola Middle School	L. Yepiz
JD	Engineering: Electrical & Mechanical	672	3rd	Katherine	Celestino	Which Turbine Propeller Design Produces the Most Amount of Voltage?	8	St. John of the Cross Catholic School	G. Krumm

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Engineering: Electrical & Mechanical	676 Team	3rd	Miguel	Morales	Is It More Beneficial to Build Your Own Drone Versus Buying One?	8	St. John of the Cross Catholic School	G. Krumm
JD	Engineering: Electrical & Mechanical	676 Team	3rd	Andres	Knoll	Is It More Beneficial to Build Your Own Drone Versus Buying One?	8	St. John of the Cross Catholic School	G. Krumm
JD	Engineering: Electrical & Mechanical	682	3rd	Wesley	Newton	The Comparative Noise-Eliminating Effects of Several Materials	8	St. Didacus Parish School	R. Blickenstaff
JD	Engineering: Energy & Transport	695 Team	3rd	Mya	Navarro	Parachutes: Does Size Matter?	8	National City Middle School	K. Langel
JD	Engineering: Energy & Transport	695 Team	3rd	Brenda	Cervantes	Parachutes: Does Size Matter?	8	National City Middle School	K. Langel
JD	Engineering: Energy & Transport	696 Team	3rd	Max	Colucci	Rocket Cars	8	St. John School - Encinitas, CA	G. Heins
JD	Engineering: Energy & Transport	696 Team	3rd	Evan	Humphrey	Rocket Cars	8	St. John School - Encinitas, CA	G. Heins
JD	Engineering: Energy & Transport	701	3rd	Evan	King	The Test Track	8	Wangenheim Middle School	T. Mendibles
JD	Engineering: Energy & Transport	702	3rd	Janina	Kosol	How Does the Shape of a Skateboard Affect Speed	8	Wangenheim Middle School	T. Mendibles
JD	Engineering: Energy & Transport	703	3rd	Jose	Lopez	Energy in the Sky	8	Our Lady of Guadalupe Academy	J. Patton
JD	Engineering: Energy & Transport	716	3rd	Isaac	Reyes	Light and Action	8	Southwest Middle	E. Barron
JD	Engineering: Materials & Bionengineering	721	3rd	Dayna	Coates	Raise The Roof-Top Gardens	8	Rancho del Rey Middle School	D. Castillo

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Engineering: Materials & Bionegineering	723	3rd	Vincent Michael	Cruz	How Does the Amount of Fins Affect a Submarine's Speed?	8	Wangenheim Middle School	T. Mendibles
JD	Engineering: Materials & Bionegineering	724	3rd	Samantha	Dagdag	The Comparison of Different Bridge Supports Before Breaking	8	Wangenheim Middle School	T. Mendibles
JD	Engineering: Materials & Bionegineering	727	3rd	Brevan	Johnson	How Can Adding Filling to a Cardstock Cylinder Affect Its Stability?	8	Wangenheim Middle School	T. Mendibles
JD	Engineering: Materials & Bionegineering	729	3rd	Nina	Maya	Ocean Pollution Solution	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Engineering: Materials & Bionegineering	732	3rd	Tiffany	Pham	How Temperature of Materials Affects Sound	8	Wangenheim Middle School	M. Silva
JD	Environmental Sciences & Management	740 Team	3rd	Brando	Banco	How Does the Presence of Heavy Metals Affect Aquatic Environments?	8	Wangenheim Middle School	M. Silva
JD	Environmental Sciences & Management	740 Team	3rd	Jacob	Antonio	How Does the Presence of Heavy Metals Affect Aquatic Environments?	8	Wangenheim Middle School	M. Silva
JD	Environmental Sciences & Management	745	3rd	Hector	Camarena	Can I Make It Rain For Cheap?	8	Farb Middle School	P. Huntington
JD	Environmental Sciences & Management	746 Team	3rd	Osdanna	Robledo	Recycling Greenhouse	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Environmental Sciences & Management	746 Team	3rd	Karol	Carbajal	Recycling Greenhouse	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Environmental Sciences & Management	749	3rd	Ryan	De Guzman	H2 Oh No! Which San Diego Public Parks Have the Cleanest Drinking Water?	8	Good Shepherd Catholic School	Mary A. McNeil
JD	Environmental Sciences & Management	753	3rd	Savanna	Grodeman	Can San Diego's Freshwater pH Sustain Rainbow Trout Population?	8	Chula Vista Middle School	T. Tom

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Environmental Sciences & Management	754	3rd	Alayda	Guerrero	Oceans Without Border	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Environmental Sciences & Management	763	3rd	Emilie	Lindsey	The Effect of Acidification on Beam Clam Shell Mass and Seagrass Length	8	City Tree Christian School	M. Lee
JD	Environmental Sciences & Management	770	3rd	William	Sheldon	Humidity Hotspot	8	St. Joseph Academy	R. Hanson
JD	Environmental Sciences & Management	771	3rd	Gretchen	Silva	Where is the Bacteria in Your Faucet?	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Medicine & Health Sciences	784	3rd	Sania	Dogra	Indirect Assessment of Solanine Levels in Potatoes Over Time	8	The Rhoades School	R. Hunker
JD	Medicine & Health Sciences	788	3rd	Robin	Jayco	Studying and Performing Bioinformatics Using Influenza	8	St. Rita's Catholic School	A. Rice
JD	Medicine & Health Sciences	792	3rd	Alan	Luu	Absorbing Alveoli	8	Farb Middle School	P. Huntington
JD	Medicine & Health Sciences	794	3rd	Ruthie	McElfresh	Does Ballet Experience Affect Reaction Time?	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Medicine & Health Sciences	797	3rd	Orin	Mizan	Crybaby	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Medicine & Health Sciences	799	3rd	Max	Namazy	Does Age Affect Olfactory Fatigue?	8	Mt. Helix Academy	J. Hudson
JD	Medicine & Health Sciences	800	3rd	Aaron Jonathan	Palma	Myocardial Infarction Representation Experiment	8	St. Rita's Catholic School	A. Rice
JD	Microbiology	810	3rd	Meryem	Al-Delaimy	UV Rays Vs UV Light on Bacteria	8	Bright Horizon Academy	N. Nasereddin

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Microbiology	812	3rd	Farah	Aswad	Which Works Best?? Alcohol vs. Homemade Sanitizers	8	Bright Horizon Academy	N. Nasereldin
JD	Microbiology	813	3rd	America	Barron	Bacteria in USD Currency	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Microbiology	815 Team	3rd	Sydney	Polish	Sweet Sensation: What Sugar Substitute Works Best Compared to Basic Sugar?	8	Wangenheim Middle School	M. Silva
JD	Microbiology	815 Team	3rd	Dominic	Berona	Sweet Sensation: What Sugar Substitutes Work the Best Compared to Basic Sugar	8	Wangenheim Middle School	M. Silva
JD	Microbiology	821	3rd	Magnolia	Olin	Bacteria in Public Pools	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Microbiology	822	3rd	Melanni	Sandoval	The Effect of Filtration Methods on River Water	8	The Children's School	D. Quincannon
JD	Microbiology	825	3rd	Jaelynn	Tiong	The Greatest Elimination	8	St. Michael Academy San Diego	M. Escalante
JD	Physics & Astronomy	837	3rd	Nico	Cantore	Golf Balls and Price Ranges	8	St. Didacus Parish School	R. Blickenstaff
JD	Physics & Astronomy	848	3rd	Eitan	Lugasi	Ready For Take-Off	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Physics & Astronomy	857	3rd	Jacob	Tabalon	The Phenomenon of Naruto Running	8	St. Michael Academy San Diego	M. Escalante
JD	Physics & Astronomy	859	3rd	Leah	Wilson	May the FORCE Be with You	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Plant Sciences	875	3rd	Joaqui	Miranda	Fertilizer's Effect on Pea Plant Apperance	8	Wangenheim Middle School	M. Silva

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Plant Sciences	878	3rd	Dorcas	Ndume	The Effect of Music (Classical and Pop) on Growth of Okra Seeds	8	City Tree Christian School	M. Lee
JD	Plant Sciences	880	3rd	Gabrielle	Rafii	Extracting DNA from Strawberries	8	San Diego Jewish Academy	L. Deveau
JD	Plant Sciences	881	3rd	Larianna	Riel	Growth of Bush Bean Plants Inside of Box with Different Passageways	8	Wangenheim Middle School	T. Mendibles
JD	Plant Sciences	882	3rd	Maria	Serra-Fernandez	How is Plastic Pollution Affecting Our Plants ?	8	Wangenheim Middle School	M. Silva
JD	Product Testing/ Consumer Science	892	3rd	Camila	Alatorre	Removing Permanent Marker Stains	8	Chula Vista Middle School	T. Tom
JD	Product Testing/ Consumer Science	902	3rd	Hector	Coronel-Villarreal	Thermal Schock	8	Corfman School	C. Butler
JD	Product Testing/ Consumer Science	906	3rd	Joshua	Duong	Will Polish Prevent Wood From Absorbing Water	8	Chula Vista Middle School	T. Tom
JD	Product Testing/ Consumer Science	914	3rd	Trinity	Hoang	How Do Different Marker Brands Determine Whether Ink Fades Away Faster?	8	Wangenheim Middle School	M. Silva
JD	Product Testing/ Consumer Science	933	3rd	Christopher	Tran	How Does the Number of Bananas in a Bunch Affect the Time They Take to Ripen?	8	Wangenheim Middle School	T. Mendibles
JD	Animal Sciences	506	4th	Emmanuel	Hernandez	How Does Temperature Affect the Work of Ants?	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Behavioral & Social Sciences	549	4th	Isabel	Jones	Random Numbers	8	St. Didacus Parish School	R. Blickenstaff
JD	Behavioral & Social Sciences	557	4th	Sara	Mattsson	Color for Memory	8	Carlton Hills Middle School	K. Ducharme

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Behavioral & Social Sciences	568	4th	Jaden	Ocampo	What is the Effect of Net or No Net on Free Throw Percentage?	8	Wangenheim Middle School	T. Mendibles
JD	Behavioral & Social Sciences	577	4th	Asha	Postins	Do We Base Who We Trust on Clothing	8	The Children's School	D. Quincannon
JD	Biochemistry	597	4th	Elenore	Cannon	Organic vs Non-Organic Bananas Investigation	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Biochemistry	599	4th	Naija	Coles	Looking Deeper Into the Results of Gel Electrophoresis	8	Wangenheim Middle School	T. Mendibles
JD	Biochemistry	601	4th	Lisa	Echoku	How Would the Fat in Milk Affect It Spoiling?	8	Chula Vista Middle School	T. Tom
JD	Chemistry	618	4th	Jonathan	Flietstra	The Effect of Length of Cloth with Naphtha Lighter Fluid on Flame Duration	8	City Tree Christian School	M. Lee
JD	Earth & Planetary Science	656 Team	4th	Valentina	Castro	Which Biodegradable Method Works the Best?	8	Our Lady of Mount Carmel	J. Pererya, SJS
JD	Earth & Planetary Science	656 Team	4th	Isabella	Perez	Which Biodegradable Method Works the Best?	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Earth & Planetary Science	662 Team	4th	Danae	Santana-Oikawa	Preventing Forest Fires	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Earth & Planetary Science	662 Team	4th	Estefania	Valencia	Preventing Forest Fires	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Engineering: Electrical & Mechanical	684	4th	Noah	Pritsker	The Real Way to Open a Coconut	8	Soille San Diego Hebrew Day School	M. Bessler
JD	Engineering: Energy & Transport	704	4th	Isabella	Lugo	Water=Electricity?	8	Good Shepherd Catholic School	M. McNeil

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
JD	Engineering: Energy & Transport	708	4th	Leonardo	Perez	What Makes a Helicopter Fly?	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Engineering: Energy & Transport	709	4th	Tony	Pham	How Does the Length of a Catapult Arm Affect the Distance a Ball is Launched?	8	Wangenheim Middle School	T. Mendibles
JD	Engineering: Energy & Transport	710	4th	Jorge	Razo	DIY Potato Charger vs DIY Dill Pickle Charger	8	Chula Vista Middle School	G. Saclauso-Caro
JD	Engineering: Energy & Transport	711	4th	Frederic	Riaza	Gas Mileage Put to the Test	8	St. Peter the Apostle Catholic School	T. Fantano
JD	Environmental Sciences & Management	744 Team	4th	Eoin	Buechs	Light Pollution	8	St. John School - Encinitas, CA	G. Heins
JD	Environmental Sciences & Management	744 Team	4th	Alex	Burkart	Light Pollution	8	St. John School - Encinitas, CA	G. Heins
JD	Environmental Sciences & Management	755	4th	Marcos	Hernandez	Temperature and Beach Water pH	8	St. Didacus Parish School	R. Blickenstaff
JD	Environmental Sciences & Management	766	4th	Tyler	Petersen	Microbial Fuel Cell - A New Energy Source	8	De Portola Middle School	M. Bridges
JD	Plant Sciences	862	4th	Seth	Bucholtz	Does Depth of Hole Effect Size of Plant?	8	The Children's School	D. Quincannon
JD	Plant Sciences	877	4th	Emilio	Morineau	What Factor is Most Important for a Plant's Growth?	8	Our Lady of Mount Carmel	J. Pereyra, SJS
JD	Product Testing/ Consumer Science	920	4th	Brandon	Lau	Fast Fizz: What Liquid Dissolves Alka-Seltzer Fastest?	8	Mt. Helix Academy	J. Hudson
SD	Behavioral & Social Sciences	107	1st	Hari	Krishnamurthy	AsylumIndicator.AI - Predictive Behavioral Modeling of United States Asylum Adjudication to Help Refugees	9	Canyon Crest Academy	A. Haas

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
SD	Computer Science	144	1st	Ellen	Xu	Artificial Intelligence Based Kawasaki Disease Early Diagnosis	9	Del Norte High School	A. Callicott
SD	Engineering: Energy & Transport	156	1st	Bella Rose	Schremmer	Powered Piers and Beaches by the Rise and Fall of Waves -- A Novel Wave Energy Conversion Application	9	University City High School	M. Quessenberry
SD	Environmental Sciences & Management	169 Team	1st	Kavya	Gupta	A Device To Detect GenX Contaminated Water Using Chemical Indication And Colorimetry	9	Westview High School	H. Eaton
SD	Microbiology	204	1st	Haya	Belbese	The Road to the Cure of Alzheimer's	9	Bright Horizon Academy	N. Naserelddin
SD	Microbiology	207	1st	Kara	Fan	Antibacterial Polymer: Aloe Vera Synthesis of Nano-silver Polymer and Its Application	9	Westview High School	M. Christopher
SD	Microbiology	208	1st	Eleanor	Jung	A Novel Approach to Killing Klebsiella Pneumoniae Using Endolysins and Polycationic Peptides	9	Mt. Carmel High School	A. Klingborg
SD	Microbiology	212	1st	Shukriya	Osman	Antioxidants: A Potential Key In Preventing Radiotherapy Cell Toxicity	9	Bright Horizon Academy	N. Naserelddin
SD	Plant Sciences	223	1st	Malvyn	Lai	Effects of Mycorrhizal Networks on Carbon Flow Between Plants	9	Mt. Everest Academy	R. Pachon
SD	Behavioral & Social Sciences	105	2nd	Abdirahman	Kariye	Repetition Makes Perfect	9	Bright Horizon Academy	N. Naserelddin
SD	Computer Science	139	2nd	Petunia	Rizo	Using Musical Notation to Encrypt Messages in Python	9	Mt. Everest Academy	N. Negus
SD	Engineering: Electrical & Mechanical	147	2nd	Solaiman	Alwazir	Alzheimer's Aid	9	Bright Horizon Academy	N. Naserelddin
SD	Medicine & Health Sciences	180 Team	2nd	Pranav	Bantval	The Efficacy of Topical Curcumin 5% Gel for Knee Osteoarthritis: A Pilot Study	9	Canyon Crest Academy	A. Haas

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
SD	Behavioral & Social Sciences	109	3rd	Albert	Liu	What Affects the Probability of School Shootings?	9	Scripps Ranch High School	P. Fowler
SD	Behavioral & Social Sciences	109	3rd	Grace	Li	What Affects the Probability of School Shootings?	9	Scripps Ranch High School	P. Fowler
SD	Computer Science	137	3rd	Livia	Liu	No Texting While Driving App	9	Olympian High School	M. Claudio
SD	Engineering: Electrical & Mechanical	152	3rd	Diego	Monroy	Winds of Change	9	Vincent Memorial Catholic High School	R. Lizarraga
SD	Engineering: Energy & Transport	157	3rd	Jose	Vallejo	Aerodynamics & Bridge Design	9	Gompers Preparatory Academy	J. Ulloytt
SD	Engineering: Materials & Bionengineering	160	3rd	Mohammad	Khan	Finding an Effective, Self-Cleaning Water Treatment Solution	9	Bright Horizon Academy	N. Nasereldin
SD	Engineering: Materials & Bionengineering	165	3rd	Cecilia	Ymaz	Desalinate-It-Yourself: Desalinating Salt Water Using A DIY Filter	9	Chula Vista High School	G. Saclauso-Caro
SD	Environmental Sciences & Management	172	3rd	Anika	Krutzik	Exploring the Biodiversity of the New River Using Molecular Six Techniques Techniques	9	Vincent Memorial Catholic High School	R. Lizarraga
SD	Medicine & Health Sciences	193	3rd	Andres	Morales	Fast Food VS Homemade Food	9	Gompers Preparatory Academy	J. Ulllyott
SD	Plant Sciences	226	3rd	Sarah	Palayur	Why Do Seeds Germinate at Different Paces?	9	St. Joseph Academy	R. Sjogren
SD	Computer Science	133	4th	Jose	Arias	Password Security	9	Gompers Preparatory Academy	J. Ulllyott
SD	Behavioral & Social Sciences	115	1st	Anjana	Shriram	Prepotent Response Inhibition in ASL vs. non-ASL Multilinguals- A Correlative Study	10	Canyon Crest Academy	A. Haas

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
SD	Biochemistry	123	1st	Daniel	Wang	Lock Them Up: Capture Proteins in Action Using Covalent Bonds	10	Torrey Pines High School	B. Belyea
SD	Computer Science	136	1st	Andrew	Kuang	Simplified Asthma Diagnosis Through Neural Networks	10	Canyon Crest Academy	A. Haas
SD	Computer Science	138	1st	Raj	Pabari	DNA Storage - Novel, Cloud-Based Solution to Archive Digital Data Using Synthetic Nucleotides	10	Classical Academy High School	D. Bower
SD	Engineering: Electrical & Mechanical	151	1st	Marc	Kuo	Read My Mind: Morse Code Communication By Measuring Electrical Activity From Eye Blinking	10	La Jolla High School	J. Coggan
SD	Engineering: Electrical & Mechanical	154	1st	Michael	Zeng	For the Deaf to "Hear" - An Experimentation of Augmented Reality	10	The Bishop's School	B. Heldt
SD	Environmental Sciences & Management	169 Team	1st	Dagny	Whall	A Device to Detect GenX Contaminated Water Using Chemical Indication and Colorimetry	10	La Jolla High School	H. Eaton
SD	Medicine & Health Sciences	184	1st	Andrew	Gao	Scan, Sequence, Save: Early Lung Cancer Detection via Novel DNA Methylation Liquid Biopsy and Deep Learning Assisted Imaging	10	Canyon Crest Academy	A. Haas
SD	Medicine & Health Sciences	187	1st	Ryan	Huang	Manipulation of Gut Microbiome by Prebiotic to Combat Alcoholic Liver Diseases	10	Canyon Crest Academy	A. Haas
SD	Medicine & Health Sciences	191	1st	Atulya	Mandyam	SCH 23390 Inhibits Cell-Death Produced by Methamphetamine in Human Neuronal Progenitor Cells	10	Westview High School	My-N. Ingram
SD	Behavioral & Social Sciences	104	2nd	Abdullahi	Ismail	The Gym or the Field?	10	Bright Horizon Academy	N. Nasereldin
SD	Behavioral & Social Sciences	110	2nd	Mustafa	Mohamed	Will Brain Games Increase IQ	10	Bright Horizon Academy	N. Nasereldin
SD	Biochemistry	120	2nd	Aditya	Hegde	The Effects of Carbon Nanomaterials on the Effectiveness of Phage Therapy	10	Canyon Crest Academy	A. Haas

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Category Place Awards Judging Results By Grade Level

Division	Category	Booth	Place	First Name	Last Name	Project Title	Grade	School	Advisor
SD	Computer Science	140	2nd	Maya	Rosenbaum	Game-Based Gratitude Journal App for Android	10	Canyon Crest Academy	A. Haas
SD	Engineering: Materials & Bionegineering	162	2nd	Issael	Montoya	The Effect of Salt and Sugar on a Microbial Fuel Cell	10	Central Union High School	L. Rueda
SD	Environmental Sciences & Management	171	2nd	Mason	Holmes	Fluorescent Reporter Under MerR-like Receptors for Metallic Ion Contaminant Recognition	10	Canyon Crest Academy	A. Haas
SD	Mathematical Sciences	177	2nd	Lou	Fowler	A User-Friendly Statistics Calculator Including Regression Analysis and 14 Statistical Tests	10	Academy of Our Lady of Peace	T. Paluso
SD	Medicine & Health Sciences	180 Team	2nd	Rishi	Chiniga	The Efficacy of Topical Curcumin 5% Gel for Knee Osteoarthritis: A Pilot Study	10	Francis Parker School	A. Haas
SD	Medicine & Health Sciences	183	2nd	Morgan	Feng	A New Efficient Approach to Monitor Cell Response to Viral Infection	10	Westview High School	M. Christopher
SD	Medicine & Health Sciences	188	2nd	Kainath	Kamil	Analyzing Protein Production and Gene Expression of Neurostimulant-addicted Drosophila Melanogaster	10	Mission Vista High School	N. German
SD	Microbiology	205	2nd	Ryan	Clairmont	Proteus Mirabilis Exhibits Increased Susceptibility to Erythromycin During Swarming	10	Canyon Crest Academy	A. Haas
SD	Microbiology	209	2nd	Raymond	Li	Sensitivity of Bacteria to Metals During Lag Phase VS Growth Phase	10	Canyon Crest Academy	A. Haas
SD	Microbiology	213	2nd	Sidharth	Udata	Phage Phases: How Stress Affects Bacteriophage Transition from Lysogenic to Lytic Pathways	10	Canyon Crest Academy	A. Haas
SD	Microbiology	216	2nd	Justin	Vaughn	Effect of Different Media on Synthesis of Silver Nanoparticles by Aspergillus niger	10	Canyon Crest Academy	A. Haas
SD	Behavioral & Social Sciences	111	3rd	Priscila	Munoz	Correlation Between Recurring Dream Themes and Anxiety Disorders	10	Central Union High School	L. Rueda

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SD	Behavioral & Social Sciences	112 Team	3rd	Daniella	Padilla	The Effect of Talking Versus Texting on Human Reaction Time	10	Central Union High School	L. Rueda
SD	Behavioral & Social Sciences	114	3rd	Miriam	Quijada	Effect of Organization on Short-Term	10	Central Union High School	L. Rueda
SD	Biochemistry	121	3rd	Vivian	Li	The Impact of Diet Upon Metabolism in Fish	10	La Jolla Country Day School	D. Padgett
SD	Computer Science	141 Team	3rd	Aditi	Telang	SocialCue : Breaking Down Communication Barriers	10	Olympian High School	M. Claudio
SD	Computer Science	141 Team	3rd	Kayla	Stevenson	SocialCue: Breaking Down Communication Barriers	10	Olympian High School	M. Claudio
SD	Engineering: Electrical & Mechanical	149	3rd	Eva	Garcia	Renewable Energy Produced by Solar Tracking	10	Central Union High School	L. Rueda
SD	Engineering: Electrical & Mechanical	153	3rd	Ziyad	Soliman	Stop That Car!	10	Classical Academy High School	N. Naserelddin
SD	Medicine & Health Sciences	189	3rd	Nanditha	Krishnan	Optimization of UV nm Spectroscopy for Protein Concentration for Therapeutic Applications	10	Torrey Pines High School	B. Belyea
SD	Medicine & Health Sciences	195	3rd	Jadyn	Ramirez	NSAIDs: The Fastest Pain Relief	10	Central Union High School	L. Rueda
SD	Microbiology	211	3rd	Adhithi	Narayana Murthy	Identification, Cloning, and Expression of Desaturase Enzyme in E.coli Bacteria	10	Del Norte High School	A. Callicott
SD	Chemistry	128	4th	Jasmine	Magana	How a Decrease in Temperature Affects an Oscillating Reaction	10	Central Union High School	L. Rueda
SD	Microbiology	203	4th	Daud	Abdinasir	The Effect of Vaping on Lung Cells	10	Bright Horizon Academy	N. Naserelddin

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SD	Plant Sciences	224	4th	Shaun	Li	Effects of the Combination of Endomycorrhizal and Cyanobacterial Symbioses on Nitrogen Uptake in Hornworts	10	Canyon Crest Academy	A. Haas
SD	Animal Sciences	102	1st	Aaron	Huang	Anxiety Hierarchy: Testing the Priority of Genes in C. Elegans	11	Canyon Crest Academy	A. Haas
SD	Biochemistry	118	1st	Jessie	Gan	Application of a Novel Cell-Adhesion Force Quantification Technique to Predict Metastasis	11	San Diego Jewish Academy	C. Eisen
SD	Biochemistry	124	1st	Kate	Wang	Machine Learning and Pharmacophore-Based Drug Discovery for Treating Duchenne Muscular Dystrophy	11	Canyon Crest Academy	A. Haas
SD	Biochemistry	125	1st	Kyra	Wu	Identification of Natural and Synthetic Inhibitors of E. Coli fabI through Virtual Screening	11	Canyon Crest Academy	A. Haas
SD	Computer Science	142	1st	Christopher	Um	Improving Complexity of Grover's Algorithm Using Qutrits Manipulation and a Novel Two-Dimensional System of the Oracle	11	Torrey Pines High School	B. Belyea
SD	Engineering: Electrical & Mechanical	148	1st	Christopher	Caligiuri	Novel Stimulation of Stem-Cell Derived Brains to Model Neurodevelopmental and Neurodegenerative Diseases	11	Canyon Crest Academy	A. Haas
SD	Engineering: Materials & Bionengineering	164	1st	Emily	Tianshi	Atmospheric Moisture Harvesting Device: Biomimicking Torrey Pine Needles	11	The Cambridge School High School	M. Mayne
SD	Environmental Sciences & Management	168	1st	Rina	Cao	Effect of Cities on Normalized Differences of Land	11	University City High School	S. Stevenson
SD	Environmental Sciences & Management	170	1st	Sanjana	Gurram	Optimizing Plant Cellulose for Cost-effective and Environmentally Benign Oil Spill Mitigation	11	Westview High School	My-N. Ingram
SD	Mathematical Sciences	176	1st	Benjamin	Faktor	Mathematical Analysis of a Fluid in a Polyhedral Domain	11	Canyon Crest Academy	A. Haas
SD	Medicine & Health Sciences	196	1st	Jason	Tang	Understanding the Function of Novel Tumor Suppression Gene UBE1L in Melanoma	11	Canyon Crest Academy	A. Haas

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SD	Medicine & Health Sciences	197	1st	Jeffrey	Wang	Multiple Factor Analysis Methods Elucidate Genome Expression Changes Across Cell Types	11	The Bishop's School	A. Pelletier
SD	Medicine & Health Sciences	198	1st	Lynne	Xu	Develop a Human Brain Organoid Model to Investigate Neuroinflammation in Neurological Diseases	11	Torrey Pines High School	B. Belyea
SD	Medicine & Health Sciences	200	1st	Wanyi	Zhu	Molecular Mechanisms of an HTLV Infection	11	Canyon Crest Academy	A. Haas
SD	Microbiology	210	1st	Edward	Liu	Pathogenic Bacteria Disrupts Skin Barrier in Atopic Dermatitis	11	Canyon Crest Academy	A. Haas
SD	Physics & Astronomy	219	1st	Francisco	Catanzaro	Determining Plastics with a Grating Spectrometer	11	Cathedral Catholic High School	M. Rafie
SD	Physics & Astronomy	221	1st	Vivek	Vijayakumar	Characterizing the Pulsations of Delta Scuti Stars Using the Mg I b Triplet	11	San Marcos High School	R. Terrill
SD	Plant Sciences	227	1st	Skyler	Williams	The Role of Increased Flavonoid Accumulation in Protection of Pollen from Ultraviolet Radiation B	11	Canyon Crest Academy	A. Haas
SD	Behavioral & Social Sciences	106	2nd	Sean	Kim	Gender Roles and Portrait Values in Relation to the Progression of Gender Equality	11	The Bishop's School	L. Keller
SD	Biochemistry	119	2nd	Juyoung	Han	Genome Editing For All Students	11	Canyon Crest Academy	A. Haas
SD	Chemistry	129	2nd	Audrey	Vargas	Photocatalytic Treatment of Wastewater and Hydrogen Production	11	Sweetwater High School	J. Chase
SD	Chemistry	130	2nd	Ian	Xu	The Detection and Discrimination of Volatile Organic Vapors in a Thermally Cycled Porous Silicon Photonic Crystal Nanosensor	11	Del Norte High School	F. Liao

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SD	Chemistry	131	2nd	Kane	Xu	Copper Catalyzed Hydroboration Of Benzylidenecyclobutanes	11	Del Norte High School	F. Liao
SD	Computer Science	134 Team	2nd	Nolan	Bowyer	An Application to Calculate Individual Percent Risk of Specific Cancers	11	Scripps Ranch High School	P. Fowler
SD	Computer Science	134 Team	2nd	Prescott	Grigsby	An Application to Calculate Individual Percent Risk of Specific Cancers Using QRDA Category I File Assessment	11	Scripps Ranch High School	P. Fowler
SD	Environmental Sciences & Management	173	2nd	Grace	Oualline	Determining the Efficacy of Mycelium Water Filtration Systems	11	La Jolla Country Day School	D. Padgett
SD	Mathematical Sciences	178	2nd	Siddhant	Ranka	Measurement of Correlation and Randomness in Irrational Numbers	11	Del Norte High School	A. Callicott
SD	Medicine & Health Sciences	182	2nd	Emily	Feldstein	Oxidized Metabolites of Dietary Fats Induce Liver Cell Death	11	Canyon Crest Academy	A. Haas
SD	Medicine & Health Sciences	186	2nd	Irene	Huang	Assessing Tennis Players' Physiological Responses Using Wearable Devices Under Different Score Scenarios	11	Canyon Crest Academy	A. Haas
SD	Medicine & Health Sciences	199	2nd	Maxwell	Yao	Effect of a Combinatory RNAi Transfection on Kras-mutant Colorectal Cancer	11	Canyon Crest Academy	A. Haas
SD	Microbiology	206	2nd	Samuel	Dimmock	Does Capsaicin Decrease Quorum Sensing in Important Human Pathogen Pseudomonas aeruginosa?	11	Canyon Crest Academy	A. Haas
SD	Microbiology	215	2nd	Yashasvi	Vangala	Investigation Into the Rate of Development of Phage Resistance in E.coli	11	Canyon Crest Academy	A. Haas
SD	Animal Sciences	101	3rd	Asael	Garcia	What Genre of Music Affects a Mammal's Productivity the Best?	11	Central Union High School	L. Rueda
SD	Behavioral & Social Sciences	108	3rd	Brian	Lee	How Age and Social Experience Dictate Beliefs on Ease of Social Mobility	11	Scripps Ranch High School	P. Fowler

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SD	Behavioral & Social Sciences	112 Team	3rd	Kayla	Stallworth	The Effect of Talking Versus Texting on Human Reaction Time	11	Central Union High School	L. Rueda
SD	Behavioral & Social Sciences	113	3rd	Anaid	Perez	The Environmental Factors That Triggers the Development of Persistent Asthma	11	Central Union High School	L. Rueda
SD	Engineering: Materials & Bionegineering	161	3rd	Shaun	Konganda	Comparing SSVEP & P300 in BCI Brain-Computer Interface	11	Canyon Crest Academy	A. Haas
SD	Medicine & Health Sciences	181	3rd	Dylan	Feldstein	Do Induced Pluripotent Stem Cell-Derived Extracellular Vesicles Reduce Macrophage Activation and Induce Anti-Inflammatory	11	Canyon Crest Academy	A. Haas
SD	Medicine & Health Sciences	185	3rd	Briana	Gonzales	The Effect of Age on the Ability to Hear High Frequencies	11	Central Union High School	L. Rueda
SD	Microbiology	214	3rd	Nicholas	Unpingco	How Does Stress Affect Bacterial Susceptibility to Bacteriophage Infection in E. Coli?	11	Canyon Crest Academy	A. Haas
SD	Physics & Astronomy	220	3rd	Efrain	Tanori	Effect of Down Force of the Best Beyblades using a MainStays Fan	11	Central Union High School	L. Rueda
SD	Computer Science	143	1st	Dustin	Wu	Deep Learning Jazz Ensemble	12	Pacific Ridge High School	R. Mudaliar
SD	Engineering: Materials & Bionegineering	159	1st	Aurora	Czajkowski	Engineering an Affordable and Sustainable Water Filtration Device	12	Bonita Vista High School	M. Mardahl-Dumesnil
SD	Medicine & Health Sciences	194	1st	Alexis	Negrete	ADHD in a Stratified Pediatric Sample: A Study of Prevalence, Comorbid Conditions, & Impairments	12	Central Union High School	L. Rueda
SD	Engineering: Materials & Bionegineering	163	2nd	Ann	Palayur	Saving Habitats and Water Via Controlled Plant Environments	12	St. Joseph Academy	R. Sjogren
SD	Environmental Sciences & Management	174	2nd	Sabrina	Sanchez	One Man's Trash Is Another Worm's Treasure	12	Bonita Vista High School	M. Mardahl-Dumesnil

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SD	Engineering: Electrical & Mechanical	150	3rd	Adrian	Isabelle	A Low Cost Motion Detector Using Modern Engineering Technologies	12	Olympian High School	M. Claudio
SD	Medicine & Health Sciences	192	3rd	Sebastian	Mendoza	Sleep Deprivation on Human Deep Tendon Reflexes	12	Bonita Vista High School	M. Mardahl-Dumesnil
SD	Plant Sciences	225	3rd	Noah	Nafarrete	The Effect of Ferrous Iron Gluconate on Chloroplast Biosynthesis and Anthocyanin Regulation in <i>Rotala rotundifolia</i>	12	Bonita Vista High School	M. Mardahl-Dumesnil
SD	Microbiology	217	3rd	Grace	Yardley	Phage Stability		Canyon Crest Academy	A. Haas