

64th Annual GSDSEF Award Winners Junior Division

Place Award	Category	Student Name	Project Name	School Site	Advisor
First Place	Animal Sciences	Isabel Bruce	Commercial Vs. Organic Farming: Effects on Night Time Pollinator Presence and Diversity	Rhoades School	R. Hunker
First Place	Animal Sciences	Anusha Kadiyala	Determining Dominance of Polygenic Traits	Bernardo Heights Middle	D. Carmichael
First Place	Animal Sciences	Phoebe Lemon	Do Felines Discriminate Between Songs of Native vs. Non-Native Bird Species?	Rhoades School	R. Hunker
First Place	Animal Sciences	Umair Mahmood	Investigating the Ingestion of Synthetic Polymers by Mealworms vs. Superworms	Rhoades School	R. Hunker
First Place	Animal Sciences	Atulya Mandyam	Relating Voluntary Wheel Running to Changes in Levels of Dopamine- 2nd Year Study	Mesa Verde Middle	R. Bird
First Place	Animal Sciences	Anna Pallencaoe	Is the 3-Second Goldfish Memory Myth Actually True?	St. Therese Academy	L. Peterson
First Place	Behavioral and Social Sciences	Raihan Atmaja	Learn to Play, or Play to Learn?	Islamic School of SD	D. Alkhey
First Place	Behavioral and Social Sciences	Ethan Aurand	How Pets Affect Stress	Farb Middle School	P. Huntington
First Place	Behavioral and Social Sciences	Kayla Brewer	The Effects of Visual Distraction on Recall	Rhoades School	R. Hunker
First Place	Behavioral and Social Sciences	Danna Bundogji	Is Technology Good for Us After All	Islamic School of SD	D. Naseey
First Place	Behavioral and Social Sciences	Raya Caldwell	Typoglycemia: Can Yuor Barin Unscarmble the Wrods?	Grant Middle School	D. Baldey
First Place	Behavioral and Social Sciences	Jasmine Elasaad	Effectiveness of Method of Loci on Short-term and Long-term Memory	Rhoades School	R. Hunker
First Place	Behavioral and Social Sciences	Mumtaaz Elmi	What Factors Affect Emotional Intelligence?	Islamic School of SD	N. Naserelddin
First Place	Behavioral and Social Sciences	Sydney Hecht	Time Flies: Does Type of Task Distort Perception of Elapsed Time?	Rhoades School	R. Hunker
First Place	Behavioral and Social Sciences	Morgan Link	Wrap It Up! Investigating the Effects of Age on Responses to Packaging	Rhoades School	R. Hunker
First Place	Behavioral and Social Sciences	Fatima Nour	Which Learning Style Yields Better Memory?	Islamic School of SD	N. Naserelddin
First Place	Behavioral and Social Sciences	Anna Núñez	You're Stressing Me Out!	Coastal Academy	B. Biernacki
First Place	Behavioral and Social Sciences	Jacob Rapp	Picture This	Grant Middle	C. Baldwin

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First Place	Behavioral and Social Sciences	David Rooney	The Influence of Athletes' Assumed Race on Perceptions of Potential Success	The Children's School	T. Brown
First Place	Behavioral and Social Sciences	Abigail Rosado	The Pressure To Fit In: Testing Conformity in Middle Schoolers	All Hallows Academy	J. Meza
First Place	Behavioral and Social Sciences	Ainsley Savant	Magic Juice	St. John School- Encinitas	G. Heins
First Place	Behavioral and Social Sciences	Revere Schmidt	Rx to React Faster	Santa Fe Christian School	D. Culley
First Place	Behavioral and Social Sciences	Eva Wilson	How do Phones Affect Your Reaction Time?	St. Michael's School - Poway	D. Polley
First Place	Biochemistry	Ayat Alwazir	Vitamin D Survival in the Stomach	Islamic School of SD	N. Naserelddin
First Place	Biochemistry	Bianca Demarchi	Avocado Oxidation	St. Therese Academy	L. Peterson
First Place	Biochemistry	Lourdes Figueroa	Effect of Height of Blood Deposit on the Resulting Splatter	Grauer School	P. Young
First Place	Biochemistry	Onessa Ganan	How does Pure and Processed Fruit Juices Affect Glucose Levels?	Wangenheim Middle	T. Mendibles
First Place	Biochemistry	Aisling Ward	Dominant vs. Recessive Traits: Which One Actually Dominates	St. Didacus School	R. Blickenstaff
First Place	Chemistry	Issa Alwazir	The Study of The Artificial Pancreas	Islamic School of SD	N. Naserelddin
First Place	Chemistry	Emily Costa	Sweet Thing	Santa Fe Christian School	D. Culley
First Place	Chemistry	Valentine King	Dividere, "to Separate"	Classical Conversations	S. King
First Place	Chemistry	Dovid Moskowitz	Red vs. Green	Soille SD Hebrew Day School	M. Bessler
First Place	Chemistry	Nadia Salah	Which Oil Makes the Best Ferrofluid	Islamic School of SD	A. Alkhawaja
First Place	Chemistry	Owen Smith	How Do Different Oils Used to Make Soap Effect Hardness?	Correia Middle School	S. Smith
First Place	Chemistry	Kayla Venger	Going Bananas Over Fruit Ripening?	Soille SD Hebrew Day School	M. Bessler
First Place	Chemistry	Aidin Weissler	Coatings to Protect Polymers from UV Damage	Soille SD Hebrew Day School	M. Bessler
First Place	Computer Science	Julian Ignatov	Barcodes in a Nutshell	Grauer School	P. Young

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First Place	Computer Science	Colin Kovarik	Comparing the Efficiency of Popular Pathfinding Algorithms on Random Networks	Rhoades School	R. Hunker
First Place	Computer Science	Edmund Sumpena	Finger Lift App	Mesa Verde Middle	R. Bird
First Place	Earth and Planetary Science	Samuel Muroff	Do Simple Electronics Make a Solar Still More Efficient	SD Jewish Academy	L. Deveau
First Place	Earth and Planetary Science	Kate Peterson	Monitoring Erosion at San Diego's North County Beaches	Rhoades School	R. Hunker
First Place	Engineering - Electrical and Mechanical	Ayaan Bhatkar	Wind Turbines	Islamic School of SD	N. Naserelddin
First Place	Engineering - Electrical and Mechanical	Stefan Gadiant	Solar Aquatic Battery (SABA)	The Cambridge School	M. Gingrich
First Place	Engineering - Electrical and Mechanical	Marc Kuo	Third Eye, A Vision Assist Device for Glaucoma Patients	Muirlands Middle School	J. Kuo
First Place	Engineering - Electrical and Mechanical	Ziyad Soliman	Map It Right!	Islamic School of SD	N. Naserelddin
First Place	Engineering - Electrical and Mechanical	Michael Zeng	Exploring Antennas	Bishop's School	J. Jordan
First Place	Engineering - Energy and Transport	Tyler Bodenhamer	Can You Feel the Heat? Designing the Best Solar Air Heater	De Portola Middle	M. Bridges
First Place	Engineering - Energy and Transport	itzel Casillas	Renewable Energy through Photosynthesis: Part II	St. Rose of Lima School	E. Urbiztondo
First Place	Engineering - Energy and Transport	Aaron McKeemon	SwellSpark Turns Ocean Swells Into Electric Energy	Coastal Academy	B. Biernacki
First Place	Engineering - Energy and Transport	Patrick Ngo	An Alternative Choice for Alternative Energy	Marshall Middle	E. Gillum
First Place	Engineering - Energy and Transport	Patrick O'Leary	How Does Hard Soiling Affect the Output of a Solar Module	St. Gregory the Great School	M. Ryan
First Place	Engineering - Energy and Transport	Kourosh Sadr	The Watermill	The Children's School	D. Quincannon
First Place	Engineering - Energy and Transport	Blake Scurry	A Unique Spin on Aerodynamics: Airfoil augmented with semi-auto rotating leading edge cylinder	Marshall Middle	E. Gillum
First Place	Engineering - Materials and Bioengineering	Elizabeth Cullum	Hurricane Proof House	Coastal Academy	B. Biernacki
First Place	Engineering - Materials and Bioengineering	Morgan Moore	The Effect of Thermal Exposure on the Elasticity of Rubber	De Portola Middle	M. Bridges
First Place	Engineering - Materials and Bioengineering	Nadeen Morsi	The Smaller It Goes, the Purer It Shows	Islamic School of SD	N. Naserelddin

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First Place	Engineering - Materials and Bioengineering	Waleed Randhawa	Artificial Pancreas: An Automatic Insulin Delivery System	Marshall Middle	D. Gilley
First Place	Engineering - Materials and Bioengineering	Isaac Reyes	The Effect of Bridge Type on Weight Resistance	City Tree Christian School	M. Lee
First Place	Engineering - Materials and Bioengineering	Garrett Warner	Effects of Base Isolators on Building Stability	Rhoades School	R. Hunker
First Place	Environmental Sciences and Management	Andres Aguirre	Is Plastic in the Environment Harmful to Plant Growth or Fish Survival?	St. John of the Cross	G. Krumm
First Place	Environmental Sciences and Management	Daniel Gerlach	Impact of Traffic on Particulate Levels in Open Space	Rhoades School	R. Hunker
First Place	Environmental Sciences and Management	Olivia Hansen	Urban Runoff: Is 72 Hours Enough?	St. John School- Encinitas	G. Heins
First Place	Environmental Sciences and Management	Talisa Martinez	Testing Water Quality through Daphnia Magna Survival Rate	Corfman/McCabe School - El Centro	L. Claverie
First Place	Environmental Sciences and Management	Collin Schneider	Documenting Impacts of the Desalination Plant on Water Quality at Agua Hedionda	Rhoades School	R. Hunker
First Place	Environmental Sciences and Management	Alexander Severinghaus	Evidence of Increased Photosynthesis: Comparing Ratios of Oxygen Isotopes	Rhoades School	R. Hunker
First Place	Environmental Sciences and Management	Kyubo Shim	Turn Mud into Electricity	St. Didacus School	S. Blickenstaff
First Place	Environmental Sciences and Management	Caroline Worman	Analyzing Escondido Creek Water Quality	Rhoades School	R. Hunker
First Place	Mathematical Sciences	Lou Fowler	Hard- Weinberg Equations Calculator	The Children's School	T. Brown
First Place	Medicine and Health Sciences	Haya Belbese	The Road to the Cure of Alzheimer's	Islamic School of SD	N. Nasereldin
First Place	Medicine and Health Sciences	Andrew Kuang	A Study of Ointment-Based Asthma Treatment	Carmel Valley Middle	K. Kuang
First Place	Medicine and Health Sciences	Rohan Murali	Functional Orthotic Materials: Force Reduction During Impacts	Nazareth School San Diego	D. Reedeey
First Place	Medicine and Health Sciences	Lexa Neufeld	Can you affect your breath?	Santa Fe Christian School	D. Culley
First Place	Medicine and Health Sciences	Yael Palti	Sleep to Remember	Soille SD Hebrew Day School	M. Bessler
First Place	Medicine and Health Sciences	Jordan Rezmovitch	A Dentist's Nightmare	Soille SD Hebrew Day School	M. Bessler
First Place	Medicine and Health Sciences	Elizabeth Thacker	Effectiveness of Silver Ion Antimicrobial Fabric in Hand-Drying Methods	Rhoades School	R. Hunker

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First Place	Microbiology	Gregory Eiseman	Removing Bacteria With Gum	Soille SD Hebrew Day School	M. Bessler
First Place	Microbiology	Marissa Goswami	Using Next-Gen Sequencing to Compare Levels of Bacteria in Bagged Salads	Rhoades School	R. Hunker
First Place	Microbiology	Sean Hoagland	Algae: Balance Between Good and Evil	St. Gregory the Great School	M. Ryan
First Place	Microbiology	Lakshmi Menon	Effects of Ultraviolet Light on Bacteria Mortality: Bacillus subtilis vs. Micrococcus luteus	Rhoades School	R. Hunker
First Place	Microbiology	Nada Muradagha	Does Radiation Affect Living Organisms?	Islamic School of SD	N. Nasereldin
First Place	Microbiology	Adhithi NarayanaMurthy	Antibiotics Vs. Nanoparticles: A Year 2 Study	Marshall Middle	E. Gillum
First Place	Microbiology	George Reinig	Algae in Our School Gutters	St. Therese Academy	L. Peterson
First Place	Microbiology	Joy Ruppert	Cottonwood Creek Contamination: Investigating Water Quality of Moonlight Beach Effluent	Rhoades School	R. Hunker
First Place	Microbiology	Priyanka Soe	Comparing Levels of Coliform Bacteria in Raw, Pasteurized and UHT Milk Products	Rhoades School	R. Hunker
First Place	Microbiology	Lindsey Williams	The Effect of Antibacterial Soap Brand on Bacterial Life Decrease	The Children's School	T. Brown
First Place	Microbiology	Carlos Rodriguez	Five Second Rule	Bonita Vista Middle	C. Shimasaki
First Place	Physics and Astronomy	Adrian Derderian	Probing Photons with Polarizers, Counting them with Cosines	Escondido Christian School	D. DeLucia
First Place	Physics and Astronomy	Sadie Henry	Water Resistance in Swim Caps	St. Didacus School	R. Blickenstaff
First Place	Physics and Astronomy	Joseph King	Radiant Energy gets this Radiometer Running	Classical Conversations	S. King
First Place	Physics and Astronomy	Andrew Leyton	A Study of Acoustic Foam Transmission Properties	De Portola Middle	M. Bridges
First Place	Physics and Astronomy	Axel Marquez	Winglet Angles and Wind Tunnel Performance	National City Middle	R. Smith
First Place	Physics and Astronomy	Jessica McWilliams	Optimal Ballista Launch Angle	Marshall Middle	R. Baker
First Place	Physics and Astronomy	Arjun Suri	Measuring Pin Drop Silence	Marshall Middle	E. Gillum
First Place	Plant Sciences	Kian Chakamian	Correlating Olive Quick Decline Syndrome Infections to the Presence of Sharpshooters	Rhoades School	R. Hunker

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First Place	Plant Sciences	Pascale Fung	Comparing Plant Populations in Restored vs. Disturbed Areas at San Elijo Lagoon	Rhoades School	R. Hunker
First Place	Plant Sciences	Mallory Guinn	Fresh Avocados	Carlton Hills Middle	K. Ducharme
First Place	Plant Sciences	Annelise Jackson	Greywater's Impact on Grass Growth	St. Mary Star of the Sea	S. Englund
First Place	Plant Sciences	Gianni Lombardi	Plants VS Radiation	Santa Fe Christian School	D. Culley
First Place	Plant Sciences	Mason Rodgers	The Effects of the Amount of Pollutants in the New River on the Growth Rate of Wheat	Corfman/McCabe School - El Centro	L. Claverie
First Place	Plant Sciences	Anna Sohn	The Effect of Heat on Bean Plant Growth	The Children's School	T. Brown
First Place	Plant Sciences	Maggie Watts	Aquaponics vs. Hydroponics: Replacing Commercial Fertilizers with Fish Waste	Rhoades School	R. Hunker
First Place	Plant Sciences	Eric Yang	Investigating Salt Tolerance of Western Plant Species	Rhoades School	R. Hunker
First Place	Product Testing/Consumer	Ryan Michael Alfonso	The Blue Light Effect	St. Rose of Lima School	E. Urbiztondo
First Place	Product Testing/Consumer	Solaiman Alwazir	The Effect of Energy Drinks on the Heart	Islamic School of SD	N. Naserelddin
First Place	Product Testing/Consumer	Noorah Dhamim	The Eco-Cleanser	Islamic School of SD	N. Naserelddin
First Place	Product Testing/Consumer	Grace Hagan	Does Using Fidget Devices Reduce Test Anxiety?	Rhoades School	R. Hunker
First Place	Product Testing/Consumer	Tasneem Hammad	Invertase Effect on Sucrose	Islamic School of SD	N. Naserelddin
First Place	Product Testing/Consumer	Zunairah Murshid	Superior Antioxidant?	Islamic School of SD	N. Naserelddin
First Place	Product Testing/Consumer	Shukriya Osman	ShUt AcNe Off	Islamic School of SD	N. Naserelddin
First Place	Product Testing/Consumer	Monica Soberon	"Child-proof" Medicine Caps	Sacred Heart - Coronado	M. Bartlett
First Place	Product Testing/Consumer	Isabella Toliver	Comparing the Effectiveness of Lotion Based on Label and Cost	St. Joseph Academy	R. Hanson
First Place	Product Testing/Consumer	Nicholas Toscano	Childproof Lids. Do They Work ?	St. Didacus School	R. Blickenstaff
Second Place	Animal Sciences	Allie Adajar	Environment: Affecting Genetic Inheritance	St. Michael's School - Poway	J. Poling

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Second Place	Animal Sciences	Alexandra Brewer	A Comparison of Three Mouse Diets by Gender	Santa Fe Christian School	D. Culley
Second Place	Animal Sciences	Jake Carbine	Can You Grow Plants Using Fish ?	St. John School- Encinitas	G. Heins
Second Place	Animal Sciences	Tianne Chazin	Effectiveness of Homemade Ant Repellent on Linepithema humile	Rhoades School	R. Hunker
Second Place	Animal Sciences	Natalie Crane	Do Birds Have a Color Preference?	Bonita Vista Middle	C. Shimasaki
Second Place	Animal Sciences	Quinn Girard	The Effect of Shoulder Slope on Stride Length	The Children's School	T. Brown
Second Place	Animal Sciences	Amelia Jeff	Do Dogs Have a Dominant Paw?	The Children's School	T. Brown
Second Place	Animal Sciences	Jude Lifset	Comparing Bat Populations in Open Space vs. Suburban Habitats	Rhoades School	R. Hunker
Second Place	Animal Sciences	Nathan Shlemon	Some Lizards Like it Hot!	Classical Conversations	J. Shlemon
Second Place	Animal Sciences	Ty Woods	Does Time of Day Affects a Dog's Running Ability?	St. Therese Academy	L. Peterson
Second Place	Behavioral and Social Sciences	Zoey Bonakdar	Can Fidget Spinners Spin Away Stress?	Stella Maris Academy	B. Lillie
Second Place	Behavioral and Social Sciences	Roland Breise	Cheater Cheater Cookie Eater	The Children's School	D. Quincannon
Second Place	Behavioral and Social Sciences	Emilie Carbine	Dog vs Cat People Personality Traits	St. John School- Encinitas	G. Heins
Second Place	Behavioral and Social Sciences	Andreas Cardenas-Marouf	The Effect of a Yawning Video on the Amount of Yawns	The Children's School	D. Quincannon
Second Place	Behavioral and Social Sciences	Francesca De Santis	The Effect of Suggestion on Memory	St. Michael Academy - SD	A. Okuley
Second Place	Behavioral and Social Sciences	David Downs	What Would You Save?	The Children's School	D. Quincannon
Second Place	Behavioral and Social Sciences	Thomas Eggleton	Who Can Thread the Needle Easily	Mt. Helix Academy	S. Cohen
Second Place	Behavioral and Social Sciences	Mia Evans	Does Color Affect Taste?	Santa Fe Christian School	D. Culley
Second Place	Behavioral and Social Sciences	Reef Gonen	In the Blink of an Eye	SD Jewish Academy	L. Deveau
Second Place	Behavioral and Social Sciences	lily Hoefler	The Birth Order Affect	Santa Fe Christian School	D. Culley

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Second Place	Behavioral and Social Sciences	Ethan Kassar	Does Color Affect Taste	The Children's School	D. Quincannon
Second Place	Behavioral and Social Sciences	Natalia King	Can Art Relieve Stress and Lead to Good Scores on a Test?	St. Michael's School - Poway	J. Poling
Second Place	Behavioral and Social Sciences	Ellie Lee	Doodling More Than Meets The Eye	The Children's School	D. Quincannon
Second Place	Behavioral and Social Sciences	Grant Lieberman	Give a Smile Back	Soille SD Hebrew Day School	M. Bessler
Second Place	Behavioral and Social Sciences	Gabriela Madrigal	Is the Bag Ban Working?	St. Didacus School	R. Blickenstaff
Second Place	Behavioral and Social Sciences	Natalie Mamaril	How Does The Material You Read From Affect Your Reading Rate?	St. Michael's School - Poway	J. Poling
Second Place	Behavioral and Social Sciences	Alyssa Mollner	Heredity of Fingerprints	St. John of the Cross	G. Krumm
Second Place	Behavioral and Social Sciences	Michelle Moreau	Who Broke the Vase?	Stella Maris Academy	B. Lillie
Second Place	Behavioral and Social Sciences	Eitan Myers	Will They Cheat	Soille SD Hebrew Day School	M. Bessler
Second Place	Behavioral and Social Sciences	Kassidy Nguyen	Peripheral Vision	St. Didacus School	R. Blickenstaff
Second Place	Behavioral and Social Sciences	Ariston Oakes	Does Age Affect Your Ability to Delay Gratification	The Children's School	D. Quincannon
Second Place	Behavioral and Social Sciences	Isabella Posner	Music's Effect on 7th & 8th Graders' Reading Comprehension	SD Jewish Academy	L. Deveau
Second Place	Behavioral and Social Sciences	Luke Rhee	The Effect of Noise on Concentration	St. Didacus School	R. Blickenstaff
Second Place	Behavioral and Social Sciences	Scarlett Schmitt	Does Object Shape Affect Recall?	Rhoades School	R. Hunker
Second Place	Behavioral and Social Sciences	Sofia Silva	Honesty: How Prevalent is it?	Stella Maris Academy	B. Lillie
Second Place	Behavioral and Social Sciences	Caden Webster	How Does Nature Affect the Brain?	St. Michael's School - Poway	J. Poling
Second Place	Behavioral and Social Sciences	Sophia Wright	Does Perception of Genders in the Workplace Vary by Age	Nazareth School San Diego	M. Reed
Second Place	Behavioral and Social Sciences	Sidney Helms	Blue or Grey	Oak Grove Middle School	J. Zieske
Second Place	Biochemistry	Hasan Abdurrahman	Are All Fats Bad?	National University Academy	G. Dillard

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Second Place	Biochemistry	Victoria Ehsan	Fruit Reboot: Reversing Effects of Oxidation in Fruits.	Rhoades School	R. Hunker
Second Place	Biochemistry	Ryan Leshar	Which Foods Provide the Most Iron?	Grant Middle School	C. Baldwin
Second Place	Biochemistry	Lucia Ortiz-Calva	How does Gluten Affect the Taste of Baked Goods?	All Hallows Academy	J. Meza
Second Place	Biochemistry	Christina Telles	Happy Teeth, Happy Life	St. Joseph Academy	S. Bachman
Second Place	Biochemistry	Madelyn Vena	Gummy Bear Osmosis	St. Joseph Academy	R. Hanson
Second Place	Chemistry	Emily Gapp	Iron at the Beach?	Classical Conversations	E. Gapp
Second Place	Chemistry	Isabella Hernandez	Just Ripe!	Sacred Heart - Coronado	M. Barlett
Second Place	Chemistry	Charles Trimble III	Electrolyte Mayhem	St. Joseph Academy	S. Bachman
Second Place	Chemistry	Leah Weisz	Cupcakes	Soille SD Hebrew Day School	M. Bessler
Second Place	Chemistry	Weronika Wojcik	Effects of Oil-Based Substances on Water Resistance	Wangenheim Middle	T. Mendibles
Second Place	Chemistry	Eric Wright	What Solution Can Slow Apple Browning?	Chula Vista Middle	J. Fee
Second Place	Computer Science	Ayoob Al-Delaimy	Early Fire and Gas Detector	Islamic School of SD	N. Naserelddin
Second Place	Computer Science	Maximilian Graves	Algorithmic Bitcoin Trading: Simple vs. Static	St. Joseph Academy	S. Bachman
Second Place	Computer Science	Hamzah Kadous	Smart Teen Room	Islamic School of SD	N. Naserelddin
Second Place	Computer Science	Raj Pabari	SmartBox - System to Provide Wireless Access to Online Educational Resources Without Internet	Coastal Academy	B. Biernacki
Second Place	Earth and Planetary Science	Daniel Blair	The Affect of Acid Rain on Seedling Germination	St. John of the Cross	G. Krumm
Second Place	Earth and Planetary Science	Jake Danowsky	Effects of Soil Type on Permeability and Saturation	Rhoades School	R. Hunker
Second Place	Earth and Planetary Science	Benjamin Dodd	Impact of Water Temperature on Tornadoes	St. Mary Star of the Sea	S. Englund
Second Place	Earth and Planetary Science	Trey McKamey	Ocean Tides and Salinity	St. Didacus School	R. Blickenstaff

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Second Place	Earth and Planetary Science	Zara Schmidt	Soiled Soils	St. Gregory the Great School	M. Ryan
Second Place	Engineering - Electrical and Mechanical	Saalim Abdi	Smart Watering Device	Islamic School of SD	N. Naserelddin
Second Place	Engineering - Electrical and Mechanical	Andy Boeh	The Effect of Friction on Shoes	St. Didacus School	R. Blickenstaff
Second Place	Engineering - Electrical and Mechanical	Phuoc Dang	Traction on Mars	The Children's School	T. Brown
Second Place	Engineering - Electrical and Mechanical	Taylor Diaz	Wood Bats vs. Metal Bats, Which is Better?	St. Mary Star of the Sea	S. Englund
Second Place	Engineering - Electrical and Mechanical	Nelson Escudero	Does the Wire Diameter Affect the Voltage Produced by Electromagnetic Generators?	St. Mary Star of the Sea	S. Englund
Second Place	Engineering - Electrical and Mechanical	Gabriel Felix	To Paint or Not to Paint? The Burning Question	All Hallows Academy	J. Meza
Second Place	Engineering - Electrical and Mechanical	Mohammad Ibrahim Khan	The Service Manager	Islamic School of SD	N. Naserelddin
Second Place	Engineering - Electrical and Mechanical	Angeline Piatek	Robot Race	St. Didacus School	R. Blickenstaff
Second Place	Engineering - Electrical and Mechanical	Sidney Sarmiento	A Future Without Trash	St. Michael's School - Poway	J. Poling
Second Place	Engineering - Electrical and Mechanical	Kylie Walstrom	Fractals on Fire	De Portola Middle	M. Bridges
Second Place	Engineering - Energy and Transport	Daud Abdinasir	Best Solar Tracker	Islamic School of SD	N. Naserelddin
Second Place	Engineering - Energy and Transport	Ben Backlin	Testing the effect of beeswax on the boundary layer	Rhoades School	R. Hunker
Second Place	Engineering - Energy and Transport	Jack Chine	Evaluating the Electrical Output of a Homemade Microbial Fuel Cell	Rhoades School	R. Hunker
Second Place	Engineering - Energy and Transport	Audrey Kansas	Be Bright, Choose Light: Solar Panel Efficiency	Carlton Hills Middle	D. Duchey
Second Place	Engineering - Energy and Transport	Ethan Scanlon	Solar Cells Versus Extreme Temperatures	St. Gregory the Great School	M. Ryan
Second Place	Engineering - Energy and Transport	Armando Dilan	Trebuchet Arm Length vs. Counter Mass Weight	Chula Vista Middle	J. Fee
Second Place	Engineering - Materials and Bioengineering	Neil Baccay	Building Green (Using Recyclable Materials as Concrete Reinforcements)	St. Michael Academy - SD	A. Okuley
Second Place	Engineering - Materials and Bioengineering	Israel Banco	The Effect of Materials on Soundproofing	Wangenheim Middle	T. Mendibles

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Second Place	Engineering - Materials and Bioengineering	Elea Castiglione	Green Roofs - Does Having Plants on Roofs Affect Internal Conditions?	Grant Middle School	C. Baldwin
Second Place	Engineering - Materials and Bioengineering	Max Goldman	Ultimate Pinwheel	Stella Maris Academy	B. Lillie
Second Place	Engineering - Materials and Bioengineering	Jacob Pajimola	Biodegradable Plastics	St. Didacus School	R. Blickenstaff
Second Place	Engineering - Materials and Bioengineering	Enoch Segura	Metal Armor is Overrated	Oak Valley Middle	C. Gale
Second Place	Environmental Sciences and Management	Lily Finlay	Monitoring Water Quality and Bird Populations At Fairbanks Lake	Rhoades School	R. Hunker
Second Place	Environmental Sciences and Management	Amanda Hansen	Cleaner Water? Are Oysters the Answer?	St. John School- Encinitas	G. Heins
Second Place	Environmental Sciences and Management	Ilan Horn	TIDE	Soille SD Hebrew Day School	M. Bessler
Second Place	Environmental Sciences and Management	Lorena Johnson	Comparing Soil Permeability	St. Didacus School	R. Blickenstaff
Second Place	Environmental Sciences and Management	Akayah Smith	The Effect of Wind Speed on Temperature Loss From an Object	City Tree Christian School	M. Lee
Second Place	Environmental Sciences and Management	Scarlett Streitman	Correlation of Local Populations to Ozone Levels in Southern California	Rhoades School	R. Hunker
Second Place	Environmental Sciences and Management	Maya Williams	Detecting Microplastic Pollution in Local Waters	Rhoades School	R. Hunker
Second Place	Environmental Sciences and Management	Mason Gray	The Tides Have Turned: Salinity in the San Diego Estuary	Grant Middle	C. Baldwin
Second Place	Environmental Sciences and Management	Jasmim Tyler	What's in your school's drinking water	St. Columba	T. Lunn
Second Place	Mathematical Sciences	Julia Lopatka	Optimizing Special Effects in Cinematography Using Forces Perspective Optics	Bernardo Heights Middle	J. Lopatka
Second Place	Medicine and Health Sciences	Margarita Alfaro	Is There Lead in Fidget Spinners	Nazareth School San Diego	M. Reed
Second Place	Medicine and Health Sciences	Cyrus Correll	Investigating Lead Levels in Common Household Products	Rhoades School	R. Hunker
Second Place	Medicine and Health Sciences	Eli Lerner	Testing the Best Way to Fall Asleep	SD Jewish Academy	D. Deveey
Second Place	Medicine and Health Sciences	Samuel Mahjouri	Correlation of Type A Personality to Multiple Sclerosis and Gene Expression	Rhoades School	R. Hunker
Second Place	Medicine and Health Sciences	Anna Maya	Sleep's Effect on Exercise	Soille SD Hebrew Day School	M. Bessler

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Second Place	Medicine and Health Sciences	Kristen Noriega	Which Beverage Decays Teeth The Most?	Our Lady of Guadalupe Academy	J. Patton
Second Place	Medicine and Health Sciences	Rachana Raghavendra	Perception of Sound Frequency Ability and the Impact of Region and Age	Marshall Middle	E. Gillum
Second Place	Microbiology	Ro'aa Alkhawaja	Got Resistant Bacteria? Have No Fear, the Herbs are Here!	Islamic School of SD	A. Alkhawaja
Second Place	Microbiology	Narnia Choi	Killing Bacteria on our Smartphones	Coastal Academy	B. Biernacki
Second Place	Microbiology	Jakob McElfresh	How Much Bacteria is on Your Water Bottle	Soille SD Hebrew Day School	M. Bessler
Second Place	Microbiology	Zachary Obispo	Does The Five Second Rule Affect Your Food?	St. Michael Academy - SD	A. Okuley
Second Place	Microbiology	Bethani Pate	Comparing Antibacterial Properties of Fresh Garlic, Garlic Oil and Garlic Powder	Rhoades School	R. Hunker
Second Place	Microbiology	Caroline Renas	The Effect Sweeteners Have on the Symbiotic Culture of Bacteria and Yeast	Grant Middle	C. Baldwin
Second Place	Microbiology	Juan Reyes	Testing the Antimicrobial Effects of Cinnamon and Salt	Stella Maris Academy	L. Brett
Second Place	Microbiology	Sheyla Rodriguez	The 5 Second Rule and Bacteria Transfer	Chula Vista Middle	J. Fee
Second Place	Microbiology	Isabella Towne	Which Yogurt Contains the Best Probiotics?	St. John School- Encinitas	G. Heins
Second Place	Physics and Astronomy	Donovin Bocalan	What is the Magnetic Field of a Cell Phone in Use?	St. Pius X	R. Doyle
Second Place	Physics and Astronomy	Aidan Byrnes	Creating Aerodynamic Devices To Eliminate Bird Strike Impacts on Aircraft Engines	Rhoades School	R. Hunker
Second Place	Physics and Astronomy	Marianne Corpuz	Changing Winds: Studying Bernoulli's Principle	St. Michael Academy - SD	A. Okuley
Second Place	Physics and Astronomy	Christopher Do	Exploring a Novel Application of Ferrofluid for Structural Stability	Rhoades School	R. Hunker
Second Place	Physics and Astronomy	Andre Estrella	Can a ball filled with helium travel further than a ball with just air?	Our Lady of Guadalupe Academy	J. Patton
Second Place	Physics and Astronomy	John Klimsak	How High Can My Rocket Fly?	St. Pius X	R. Doyle
Second Place	Physics and Astronomy	Jeffrey Korn	How Temperature Affects the Bounce of a Golf Ball	St. Gregory the Great School	M. Ryan
Second Place	Physics and Astronomy	Luke Langford	Does a corked bat really help you hit the ball farther?	St. Michael's School - Poway	J. Poling

64th Annual GSDSEF Award Winners Junior Division

Second Place	Physics and Astronomy	Zach Lawrenz	Baseball Bats Weight Versus Distance	St. Gregory the Great School	M. Ryan
Second Place	Physics and Astronomy	William McCormick	Evaluating the Effectiveness of Various Materials in Shielding EMF Emissions	Rhoades School	R. Hunker
Second Place	Physics and Astronomy	Clash Orsborn	Does Physics Support Deflategate?	The Children's School	T. Brown
Second Place	Physics and Astronomy	Brayden Ross	Use the Force: The Effects of Magnetism on Linear Acceleration	Carlton Hills Middle	K. Ducharme
Second Place	Plant Sciences	Sarah Claire Balatbat	The Effect of pH in Lime and Orange Juice's Bacterial Inhibition	Chula Vista Middle	J. Fee
Second Place	Plant Sciences	J-Robert Caceres	Aquaponics versus Plants Grown in Soil	St. Pius X	R. Doyle
Second Place	Plant Sciences	Joann Cayabyab	Vitamin C in Valencia Oranges During Summer and Fall	St. Didacus School	R. Blickenstaff
Second Place	Plant Sciences	Khushi Chaudhari	The Effect of Greenhouse Gases on Plants	Marshall Middle	D. Gilley
Second Place	Plant Sciences	Kara Fritz	Investigating the Feasibility of Captured Run-off Water for Agricultural Use	Rhoades School	R. Hunker
Second Place	Plant Sciences	Lannah Garcia	The Effect of Acid Rain on Seedling Germination	Bonita Vista Middle	C. Shimasaki
Second Place	Plant Sciences	Andrea Gutierrez	Fishy Veggies!	St. Mary's School - El Centro	C. Teran
Second Place	Plant Sciences	Kassandra Mireles	The Amount of Water Plants Receive and Its Effects on Soil Retention	Chula Vista Middle	T. Tom
Second Place	Plant Sciences	Nathan Ostermann	Hydroponic Techniques vs. Soil Growing: Who Triumphs?	Wilson Jr. High School	D. Shifey
Second Place	Plant Sciences	Jake Rasmussen	What Type of Beef Fertilizer Works the Best?	All Hallows Academy	J. Meza
Second Place	Plant Sciences	Nina Renda	Grapes -the Bigger, the Sweeter?	St. Didacus School	R. Blickenstaff
Second Place	Plant Sciences	Oliver Trojanowski	Aquaponic vs. Traditional Agriculture	St. John School- Encinitas	G. Heins
Second Place	Plant Sciences	Jack Zdanowski	Analyzing Patterns of Seed Distribution by Drone Delivery	Rhoades School	R. Hunker
Second Place	Product Testing/Consumer	Gabrielle Acks	Conductivity of EKG Electrodes	SD Jewish Academy	L. Deveau
Second Place	Product Testing/Consumer	Eliza Anderson	Pesky Termites!	St. Didacus School	R. Blickenstaff

64th Annual GSDSEF Award Winners Junior Division

Second Place	Product Testing/Consumer	Gabriel Master-Castaneda	The Effectiveness of Soundproofing Materials	St. Didacus School	R. Blickenstaff
Second Place	Product Testing/Consumer	Dahlia Navarro	Can Sugar Substituter Ferment Yeast?	Bonita Vista Middle	C. Shimasaki
Second Place	Product Testing/Consumer	Elina Omran	Salon Shampoo Vs. Normal Shampoo	Islamic School of SD	N. Naserelddin
Second Place	Product Testing/Consumer	Brianne Wieczorek	Are All SPF 50 Sunscreens The Same?	Stella Maris Academy	B. Lillie
Third Place	Animal Sciences	Lindsey Armas	Flexibility in Adults vs Children	St. Michael Academy - SD	A. Okuley
Third Place	Animal Sciences	Finn Bradley	What Do Worms Do to the pH of Soil?	Nazareth School San Diego	M. Reed
Third Place	Animal Sciences	Meredith Carey	"REDy or Not" Here Come the Hummingbirds	St. Mary School – Escondido	D. Martey
Third Place	Animal Sciences	Ariel Haim	Perfecting Your Eggs	Soille SD Hebrew Day School	M. Bessler
Third Place	Animal Sciences	Jaxon Hamson	Investigating the Placement and Design of Orb Weavers' Webs	Rhoades School	R. Hunker
Third Place	Animal Sciences	Adam Miller	Which is More Efficient Fish Bait: Hot Dog or Velveeta?	Mt. Helix Academy	S. Cohen
Third Place	Animal Sciences	Chloe Milliken	Can Silkie Chicken Plumage Be Reliably Predicted?	Rhoades School	R. Hunker
Third Place	Animal Sciences	Gianna Pusateri	Acoustical Impacts of Construction and Dredging on Bird Populations at San Elijo Lagoon	Rhoades School	R. Hunker
Third Place	Animal Sciences	Patrick Piazza	How Does the Diet of An Earthworm Affect the pH of Soil	Bonita Vista Middle	C. Shimasaki
Third Place	Behavioral and Social Sciences	Angella Aguilar	The Effect of Itching Visuals on Transmissive Itching	The Children's School	D. Quincannon
Third Place	Behavioral and Social Sciences	Zainab Al-Jasim	Can Men or Women Multitask?	Corfman/McCabe School - El Centro	L. Claverie
Third Place	Behavioral and Social Sciences	Zevin Attisha	A Handy Illusion	All Hallows Academy	J. Meza
Third Place	Behavioral and Social Sciences	Evan Babich	Creating a YouTube Sensation Using the Scientific Method	St. Columba School	T. Lunn
Third Place	Behavioral and Social Sciences	Emma Becker	The Effect of Music on Test Scores	St. Didacus School	D. Blicey
Third Place	Behavioral and Social Sciences	Ella Brown	Judging a Book By Its Cover	The Children's School	D. Quincannon

64th Annual GSDSEF Award Winners Junior Division

Third Place	Behavioral and Social Sciences	Raquel Chaljon	Placebo Effect	Soille SD Hebrew Day School	M. Bessler
Third Place	Behavioral and Social Sciences	Maria Diaz	Does the Nose know Taste?	Sacred Heart - Coronado	M. Bartlett
Third Place	Behavioral and Social Sciences	Natalia Dominguez	Which Font Affects Memory the Most?	Sacred Heart - Coronado	M. Bartlett
Third Place	Behavioral and Social Sciences	Kamilah Enciso	Let's Run!	Sacred Heart - Coronado	M. Bartlett
Third Place	Behavioral and Social Sciences	Emma Farias	How Do Ads Persuade Us?	Our Lady of Guadalupe Academy	J. Patton
Third Place	Behavioral and Social Sciences	Joseph Galicot	Peer Pressure	SD Jewish Academy	L. Deveau
Third Place	Behavioral and Social Sciences	Carlos Gomez	Does the Color of Text Affect Memorization?	St. Michael Academy - SD	D. Okuley
Third Place	Behavioral and Social Sciences	Roman Hanna	Does Aromatherapy Make Scents to You?	The Children's School	D. Quincannon
Third Place	Behavioral and Social Sciences	Quinn Hayek	It's Music to My Mind	St. Peter the Apostle School	F. Jones
Third Place	Behavioral and Social Sciences	Rayann Householder	Social Perspectives of Tattoos	Farb Middle School	P. Huntington
Third Place	Behavioral and Social Sciences	Priyanka John	How Does Time Perception Change As You Get Older?	Santa Fe Christian School	D. Culley
Third Place	Behavioral and Social Sciences	Alexandra Koresaar	Curls Through Ballet	Stella Maris Academy	B. Lillie
Third Place	Behavioral and Social Sciences	Ben Levy	Fidget Spinners	Soille SD Hebrew Day School	M. Bessler
Third Place	Behavioral and Social Sciences	Sofia Martinez	Do Your Eyes Tell You Lies?	St. Columba School	T. Lunn
Third Place	Behavioral and Social Sciences	Alexa Meza	How Colored Eyes See Colors in Low Light	St. John of the Cross	G. Krumm
Third Place	Behavioral and Social Sciences	Jacelle Oliveros	Self-Learning vs. Being Taught Music	St. Pius X	R. Doyle
Third Place	Behavioral and Social Sciences	Jazmine Marie Pascua	Cold Sensitivity	St. Michael Academy - SD	A. Okuley
Third Place	Behavioral and Social Sciences	Gianna Picart	Does Chewing Gum Make You Smarter?	Bonita Vista Middle	C. Shimasaki
Third Place	Behavioral and Social Sciences	Abby Rappoport	Multitasking; Brain Drain or Brain Boost	Soille SD Hebrew Day School	M. Bessler

64th Annual GSDSEF Award Winners Junior Division

Third Place	Behavioral and Social Sciences	James Root	Effects of Video Games on the Body	St. Therese Academy	D. Peteey
Third Place	Behavioral and Social Sciences	Mauricio Sosa	Emotional Cognition in Autism with Virtual Reality!	National University Academy	D. Sharey
Third Place	Behavioral and Social Sciences	Eve Zanani	Stress Less	Soille SD Hebrew Day School	M. Bessler
Third Place	Biochemistry	Lana Al Any	Denaturing Proteins	Carlton Hills Middle	K. Ducharme
Third Place	Biochemistry	Paul Biese	Organic vs. Conventional	St. Joseph Academy	S. Bachman
Third Place	Biochemistry	Jesseca Chau	Do Fast Food Fries Contain the Same Amount of Fat?	Wangenheim Middle	T. Mendibles
Third Place	Biochemistry	Talisa Galon	How Ocean Acidification Affects Mussel Shells	Wangenheim Middle	T. Mendibles
Third Place	Biochemistry	Natalie Rose Patam	The Amount of Vitamin C in Oranges	Wangenheim Middle	T. Mendibles
Third Place	Chemistry	Catherine Farrell	Which is the Best Fabric to Dye?	Nazareth School San Diego	D. Reedeey
Third Place	Chemistry	Liora Guenniche	Toss It or Drink It?	Soille SD Hebrew Day School	M. Bessler
Third Place	Chemistry	Alyssa Karaniwan	The Connection Between Fabric & Bug Repellent to Repel Bugs	Nazareth School San Diego	M. Reed
Third Place	Chemistry	Ricky Laborin	Would You Get In?	Sacred Heart - Coronado	M. Bartlett
Third Place	Chemistry	Brody Meyers	Which Environmental Factor Causes an Apple to Decompose Fastest?	St. Michael's School - Poway	J. Poling
Third Place	Chemistry	Sophia Welsh	The Effect of Bleach, Vinegar, and Acetone on Deteriorating Plastic	Wangenheim Middle	T. Mendibles
Third Place	Computer Science	Riley Allison	What Materials can Block a Wi-Fi Signal	Nazareth School San Diego	M. Reed
Third Place	Computer Science	Davin Makris	Amount of Times Cards are Shuffled on Sequence of Cards	Chula Vista Middle	T. Tom
Third Place	Earth and Planetary Science	Thalia Postins	Does the Type of Fertilizer Have an Effect on Dead Zones	The Children's School	T. Brown
Third Place	Earth and Planetary Science	Riley Wilder	Reducing Ocean Acidification Using Algae	The Children's School	D. Quincannon
Third Place	Engineering - Electrical and Mechanical	Sofia Alioto	Hovercraft: Are They Fast or Slow?	St. Gregory the Great School	M. Ryan

64th Annual GSDSEF Award Winners Junior Division

Third Place	Engineering - Electrical and Mechanical	Eric Coy	Ready Set Go	St. Mary School – Escondido	C. Martinez
Third Place	Engineering - Electrical and Mechanical	Ridwan Galib	Water Quality Monitoring System	Islamic School of SD	N. Naserelddin
Third Place	Engineering - Electrical and Mechanical	Christian Garcia	Holiday Light Circuit	St. John School- Encinitas	G. Heins
Third Place	Engineering - Electrical and Mechanical	Ian Hayasaka	Crystal Radio Circuitry & Reception	Corfman/McCabe School - El Centro	I. Leon
Third Place	Engineering - Electrical and Mechanical	Bruno Jaber	Coin Battery	St. Didacus School	R. Blickenstaff
Third Place	Engineering - Electrical and Mechanical	Ramon Lucero	Panel Performance	St. Gregory the Great School	M. Ryan
Third Place	Engineering - Electrical and Mechanical	Alexandra Martinez	The Effects of Media & Distance on Wi-Fi Signal	Stella Maris Academy	B. Lillie
Third Place	Engineering - Electrical and Mechanical	Estevan Torrance	What Rocket Fin Makes a Rocket More Efficient	Nazareth School San Diego	M. Reed
Third Place	Engineering - Energy and Transport	Isaak De Los Cobos	Hydraulic System Shovel Excavator Engineering	St. Rose of Lima School	E. Urbiztondo
Third Place	Engineering - Energy and Transport	Jheren Flores	What is the Effect of Water Pressure on Hydroelectricity Output?	St. Michael Academy - SD	A. Okuley
Third Place	Engineering - Energy and Transport	Ryan Kennedy	Back to the Past	Sacred Heart - Coronado	M. Bartlett
Third Place	Engineering - Energy and Transport	Marisa Noury	How does a bat impact the exit speed of a softball?	Nazareth School San Diego	M. Reed
Third Place	Engineering - Energy and Transport	Kenneth Visk	Optimal Conditions for a Water Wheel	St. Michael's School - Poway	J. Poling
Third Place	Engineering - Energy and Transport	Andre Wichman	Water Purification Plant	Sacred Heart - Coronado	B. Twomey
Third Place	Engineering - Materials and Bioengineering	Peyton Caspers	Engineering a Better Skateboard	The Children's School	D. Quincannon
Third Place	Engineering - Materials and Bioengineering	Zachary Foss	Does the Substrate Affect the Temperature of Artificial Turf	Nazareth School San Diego	M. Reed
Third Place	Engineering - Materials and Bioengineering	Jose Martin Hidalgo	What is the best thermal insulator	Our Lady of Guadalupe Academy	J. Patton
Third Place	Engineering - Materials and Bioengineering	Brianna Machado	Hybrid Concrete	St. Rose of Lima School	E. Urbiztondo
Third Place	Engineering - Materials and Bioengineering	Aiden Moran	Biodegrading Trash Bags	St. Didacus School	R. Blickenstaff

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Third Place	Engineering - Materials and Bioengineering	Sasha Naughton	How Does the Fin Design of a Rocket Affect How it Flies	St. Mary Star of the Sea	S. Englund
Third Place	Engineering - Materials and Bioengineering	Z. Harrison Quinto	Bernz-O-Metal	St. Gregory the Great School	M. Ryan
Third Place	Engineering - Materials and Bioengineering	Katelyn Rasch	The Sound of Silence	De Portola Middle	M. Bridges
Third Place	Environmental Sciences and Management	Leila Barjesteh	The Effects of Sunscreen and Sunblock on Plants	St. John School- Encinitas	G. Heins
Third Place	Environmental Sciences and Management	Blake Becker	Is It Safe To Swim Near An Inlet?	St. John School- Encinitas	G. Heins
Third Place	Environmental Sciences and Management	Luke Brechtel	Comparing Toxicity of Gardening Chemicals on Daphnia magna	Stella Maris Academy	B. Lillie
Third Place	Environmental Sciences and Management	Gustavo De La Fuente	Are these Beaches Affected by Bacteria?	All Hallows Academy	J. Meza
Third Place	Environmental Sciences and Management	Gizelle Garcia	Blue Water, Sand, and Trash	Chula Vista Middle	G. Saclauso-Ca
Third Place	Environmental Sciences and Management	Mikayla Gazmen	Greenhouse Plant Growth	St. Didacus School	R. Blickenstaff
Third Place	Environmental Sciences and Management	Olivia Lawyer	Save the Strawberries	Chula Vista Middle	T. Tom
Third Place	Environmental Sciences and Management	Stephanie Malveda	Trash to Gas	St. Didacus School	R. Blickenstaff
Third Place	Environmental Sciences and Management	Mia Paul	Green Roofs	St. Joseph Academy	S. Bachman
Third Place	Environmental Sciences and Management	Jack Reinig	How Does the STA Water Compare to the Quality of Filtered Water?	St. Therese Academy	L. Peterson
Third Place	Environmental Sciences and Management	Nayeli Velazquez	Water Desalination	Grant Middle	C. Baldwin
Third Place	Environmental Sciences and Management	Delaney White	Alumimun Cans Effect in Different Types of Water	St. John School- Encinitas	G. Heins
Third Place	Mathematical Sciences	Mark Cu	The Hunt for Quadratics	St. Rose of Lima School	E. Urbiztondo
Third Place	Mathematical Sciences	Aiden Schatz	Rubik's Cube Solve Times	St. Therese Academy	L. Peterson
Third Place	Medicine and Health Sciences	Christina Benavente	Breakfast Test	St. Didacus School	R. Blickenstaff
Third Place	Medicine and Health Sciences	Therese Biese	Are Microwaves Safe?	St. Joseph Academy	R. Hanson

64th Annual GSDSEF Award Winners Junior Division

Third Place	Medicine and Health Sciences	Yehoshua Cohen	Reaction Times	Soille SD Hebrew Day School	M. Bessler
Third Place	Medicine and Health Sciences	Kylie Copeland	The Effects of Temperature on Vitamin C Content Over Time	Rhoades School	R. Hunker
Third Place	Medicine and Health Sciences	Kendal Deneen	Sleeping Beauty	St. John School- Encinitas	G. Heins
Third Place	Medicine and Health Sciences	Sophia Fudge	Infection Control	St. Didacus School	R. Blickenstaff
Third Place	Medicine and Health Sciences	Natalie Goldwasser	The Truths Behind Processed Foods	SD Jewish Academy	L. Deveau
Third Place	Medicine and Health Sciences	Cynthia Meyers	Does Eye Color Affect Eye Sight	St. John School- Encinitas	G. Heins
Third Place	Medicine and Health Sciences	Thalia Rodriguez	Sweet as Sugar: Comparing the Sweetness of Sugar vs. Sugar Substitutes	St. Francis of Assisi	T. Fantano
Third Place	Medicine and Health Sciences	Dominic Schneider	It's Never to Late!	National University Academy	F. Sharif
Third Place	Medicine and Health Sciences	Althea Tabuena	Music's Effect on Resting Heart Rate	St. Michael's School - Poway	D. Poliey
Third Place	Medicine and Health Sciences	Caryn Telfer	Testing EMF Emissions from Cell Phones During Charging	Rhoades School	R. Hunker
Third Place	Medicine and Health Sciences	Gil Zucker-Abudi	How heat affects your active heart rate	SD Jewish Academy	D. Deveey
Third Place	Medicine and Health Sciences	Katie Jane Glassford	Burning Calories	St. Gregory the Great School	M. Ryan
Third Place	Microbiology	Eli Dujowich	Bacteria vs. Diffuser	Soille SD Hebrew Day School	M. Bessler
Third Place	Microbiology	Isabella Hirst	Buyer Beware: Comparison of Bacterial Contamination in Department vs. Discount Store Clothing	Rhoades School	R. Hunker
Third Place	Microbiology	Nicole Lalangan	Growth of Bacteria	St. John of the Cross	G. Krumm
Third Place	Microbiology	Josie Lauria	The Effect of Spices on Bacterial Growth	St. Didacus School	D. Blicey
Third Place	Microbiology	Thu Le	Will Probiotics Affect Bacterial Growth?	The Children's School	D. Quincannon
Third Place	Microbiology	Inessa Lovberg	Spices' Ability To Grow Bacteria Cultures	St. Didacus School	R. Blickenstaff
Third Place	Microbiology	Shala Malone	Will It Glow?	Carlton Hills Middle	K. Ducharme

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Third Place	Microbiology	Melody Mecono	How do Different Colored Lights Affect the Distance Pilobolus Shoots Its Spores?	Wangenheim Middle	T. Mendibles
Third Place	Microbiology	Cielo Polanco	Subscription To Infection	St. Rose of Lima School	E. Urbiztondo
Third Place	Microbiology	Yarezi Ramirez-Ortega	The Microbial Fuel Cell	Eastlake Middle	D. Kennerly
Third Place	Microbiology	Hailey Shaw	The Effect of UV Light on Bacteria	St. Gregory the Great School	M. Ryan
Third Place	Microbiology	Julianne Sue	Breathtaking Bioluminescence	De Portola Middle	M. Bridges
Third Place	Physics and Astronomy	Athena Almeda	Frequency + Sand = Geometrical Shapes?	National City Middle	R. Smith
Third Place	Physics and Astronomy	Gabrielle Apsay	How Water Depth Affects Wave Velocity	Bonita Vista Middle	C. Shimasaki
Third Place	Physics and Astronomy	Nathan Isaac Colmenares	Will the Strength of a Magnet be Affected by Temperatures?	Chula Vista Middle	T. Tom
Third Place	Physics and Astronomy	Luis Carlos Gonzalez	Magnetic Shielding	Our Lady of Mt. Carmel School	J. Pereyra
Third Place	Physics and Astronomy	Andres Gutierrez	The Currency's Current	Chula Vista Middle	G. Saclauso-Ca
Third Place	Physics and Astronomy	Zohal Hayeri	Refraction of Light	National University Academy	G. Dillard
Third Place	Physics and Astronomy	Emmy Humber	How High Can I Go?	St. Michael's School - Poway	J. Poling
Third Place	Physics and Astronomy	Abigail (Abby) McCabe	Penny Drop	St. Michael's School - Poway	J. Poling
Third Place	Physics and Astronomy	Alexander McCoy	Deflategate	St. Michael Academy - SD	A. Okuley
Third Place	Physics and Astronomy	Pierre Paye	Helium Filled Lightweight Soccer Balls	St. Michael's School - Poway	J. Poling
Third Place	Physics and Astronomy	Angelo Riodique	Electromagnetism	St. Michael Academy - SD	A. Okuley
Third Place	Physics and Astronomy	Bobby Thompson	The Effect of Applying Zinc Nails and Copper to Produce Making Batteries	City Tree Christian School	M. Lee
Third Place	Physics and Astronomy	Kaitlyn Bernardo	Sound Waves	Bonita Vista Middle	L. Abundes
Third Place	Physics and Astronomy	Cyan Schiele	Splat! Where did that blood come from?	Bonita Vista Middle	L. Abundes

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Third Place	Plant Sciences	Victoria Agonoy	Plants: Hydroponics or Soil	St. Michael Academy - SD	A. Okuley
Third Place	Plant Sciences	Shea Brown	Best Light for Onion Growth	St. John School- Encinitas	G. Heins
Third Place	Plant Sciences	Thomas Castronovo	Which Fertilizer Helps Grass Grow the Fastest?	All Hallows Academy	D. Mezaey
Third Place	Plant Sciences	Danica Drab	Cut Flowers	St. Didacus School	R. Blickenstaff
Third Place	Plant Sciences	Andrea Gutierrez	The Affect of Tea Bags on Mung Bean Plants	Chula Vista Middle	T. Tom
Third Place	Plant Sciences	Nick Luzi	Do Plants Prefer Pee or Compost Tea?	St. Joseph Academy	D. Bachey
Third Place	Plant Sciences	Sophia Manalo	The pH Plant Preference	St. Rose of Lima School	E. Urbiztondo
Third Place	Plant Sciences	Diego Martinez	Chicken Manure on Phaseolus Vulgaris	Chula Vista Middle	J. Fee
Third Place	Plant Sciences	Oriana Miller	Chem vs Org Plant Fertilizers	Nazareth School San Diego	M. Reed
Third Place	Plant Sciences	Stella Occhialini	Plants Photropic Response to Colored Light	St. Didacus School	R. Blickenstaff
Third Place	Plant Sciences	Javier Orozco	Can You Decrease the Time of Germination of Pea Pods	Nazareth School San Diego	M. Reed
Third Place	Plant Sciences	Amy Quintero	Can Plants Stop Soil Erosion	Corfman/McCabe School - El Centro	L. Claverie
Third Place	Plant Sciences	Parker Taitano	Old School vs. New School: A project on Hyrdoponics	St. Peter the Apostle School	F. Jones
Third Place	Plant Sciences	Izabella Vasquez	Do Apple Peels Help Mung Bean Plants Grow Taller?	Chula Vista Middle	T. Tom
Third Place	Product Testing/Consumer	Hope Aloboudi	Battle of the Bottles	Stella Maris Academy	B. Lillie
Third Place	Product Testing/Consumer	Michael Houk	Game On: Exploring Treatment Methods to Improve Mesh Performance	Rhoades School	R. Hunker
Third Place	Product Testing/Consumer	Sabrina Lickert	What Absorbs Most Facial Oil?	Nazareth School San Diego	M. Reed
Third Place	Product Testing/Consumer	Rebecca Liu	Which Gender Has the Stronger Taste of Sweetness	All Hallows Academy	J. Meza
Third Place	Product Testing/Consumer	William Rome	Better For Longer: Keep Bananas Tasty	All Hallows Academy	J. Meza

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Third Place	Product Testing/Consumer	Caroline Stermon	The Power of Music: The Effect of Music Vibration on Oobleck Movement	City Tree Christian School	M. Lee
Third Place	Product Testing/Consumer	William Strack	How Safe Is Your Spinach?	Stella Maris Academy	B. Lillie
Third Place	Product Testing/Consumer	Ibrahim Ali	The Best Naural Material for Heat Insulation	Islamic School of SD	D. Naseey
Third Place	Product Testing/Consumer	Kailea Vickers	How Child Proof are Childproof Bottles?	Bonita Vista Middle	C. Shimasaki
Third Place	Product Testing/Consumer	Nerissa Mae Viray	"A Tale of Two Sodas: A Drink or A Cleaner?"	Chula Vista Middle	D. Sacley
Fourth Place	Animal Sciences	Valerie Carbonell	What the Flock?	St. Michael Academy - SD	A. Okuley
Fourth Place	Animal Sciences	Roxanne Hernandez	How Does Sunscreen Affect Shrimp?	Bonita Vista Middle	L. Abundes
Fourth Place	Behavioral and Social Sciences	Tzvi Adatto	Remember the Music	Soille SD Hebrew Day School	M. Bessler
Fourth Place	Behavioral and Social Sciences	Rico Barraza-Corpus	Effect of Texting on Finger Dexterity	St. Didacus School	R. Blickenstaff
Fourth Place	Behavioral and Social Sciences	Christian Bendo	Which Basketball Shot is More Efficient: The Bank Shot or a Swish Shot?	St. Michael Academy - SD	A. Okuley
Fourth Place	Behavioral and Social Sciences	Czarina Datiles	Does Sleep Affect 7th Graders' Performance in School?	St. Therese Academy	L. Peterson
Fourth Place	Behavioral and Social Sciences	Casey Dellacato	The Effects of Packaging on Children's Cereal Choices	St. Didacus School	R. Blickenstaff
Fourth Place	Behavioral and Social Sciences	Ivan Espinoza	Does Music Affect Your Concentration?	St. Michael Academy - SD	A. Okuley
Fourth Place	Behavioral and Social Sciences	Emily Lindgren	Color Memory	St. Didacus School	R. Blickenstaff
Fourth Place	Behavioral and Social Sciences	Lucia Paoletto	The Blind Builders	St. Michael Academy - SD	A. Okuley
Fourth Place	Behavioral and Social Sciences	Naomi Raz	Contagious Behavior	Soille SD Hebrew Day School	M. Bessler
Fourth Place	Behavioral and Social Sciences	Aiko Santos	Do Warm Colors Affect How You Think?	Sacred Heart - Coronado	D. Bartey
Fourth Place	Behavioral and Social Sciences	David Rezmovitch	Color Vs Shape	Soille SD Hebrew Day School	M. Bessler

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Fourth Place	Biochemistry	Miles Goudy	Vitamin C in Orange Juice Preparations	Mt. Everest Academy	H. Tran
Fourth Place	Biochemistry	Janesa Orta	Does Amount of Baking Soda Effect How Cookies Rise	St. Therese Academy	L. Peterson
Fourth Place	Biochemistry	Benjamin San Pedro	Extracting Onion DNA	St. Michael Academy - SD	A. Okuley
Fourth Place	Biochemistry	Kent Jr Vu	Extracting DNA: Which One is Longer	St. Columba School	T. Lunn
Fourth Place	Chemistry	Carleigh Ashurst	The Effect of Temperature on the Chemiluminescence of Glow Sticks	Corfman/McCabe School - El Centro	L. Claverie
Fourth Place	Chemistry	Michelle Ballesteros	The Dry Ice Project	Stella Maris Academy	B. Lillie
Fourth Place	Chemistry	Alessia Demoreno	Which Type of Slime is Starchiest	All Hallows Academy	J. Meza
Fourth Place	Chemistry	Dustin Ells	Cleaning Coins	St. John School- Encinitas	G. Heins
Fourth Place	Chemistry	Diego Gallego	Which Liquid Rusts Metal the Fastest?	Our Lady of Guadalupe Academy	J. Patton
Fourth Place	Chemistry	Taylor Guillermo	Which Brand of Water Has the Highest Level of Alkalinity?	Stella Maris Academy	B. Lillie
Fourth Place	Chemistry	Sofia Hernandez	Homemade Cold Packs Vs. Portable Ice Packs	St. Pius X	D. Doyley
Fourth Place	Chemistry	Natasha Landini	Sugar in Your Jam	Chula Vista Middle	G. Saclauso-Ca
Fourth Place	Chemistry	Alysia Lopez	Paraffin Wax Compared to Soy Wax Which Will Burn Faster?	Chula Vista Middle	T. Tom
Fourth Place	Chemistry	Sohini Mody	Turn Mud into Energy	St. Columba School	T. Lunn
Fourth Place	Chemistry	Naomi Urquidez	Water is Magic!	Corfman/McCabe School - El Centro	I. Leon
Fourth Place	Chemistry	Dafydd Zamora	The Flammability of Wood	St. Didacus School	R. Blickenstaff
Fourth Place	Earth and Planetary Science	Gabriel Marrujo	Can Soil Stop Erosion	St. Didacus School	R. Blickenstaff
Fourth Place	Engineering - Electrical and Mechanical	Rhea Lalangan	How Resistors Affect the LED in a Circuit	St. John of the Cross	D. Krumey
Fourth Place	Engineering - Electrical and Mechanical	Izallyn Suarez	Electrical Motor Turns Faster with More Magnets	Barbara Worth Jr. High	D. Kappey

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Fourth Place	Engineering - Energy and Transport	Santiago Guerrero	Solar vs Hydro	Sacred Heart - Coronado	M. Bartlett
Fourth Place	Engineering - Energy and Transport	Leah Pham	Go With the Flow	Good Shepherd Catholic School	Mary A. McNeil
Fourth Place	Engineering - Energy and Transport	Shaun Pham	Solar Panel Angles for Maximum Energy	St. Didacus School	R. Blickenstaff
Fourth Place	Engineering - Energy and Transport	Christina Shen	Roller Coaster Energy	St. Didacus School	R. Blickenstaff
Fourth Place	Engineering - Energy and Transport	Pablo-Ichiro Shimizu	The Power of The Sun Will Make The Solar Car Run	Bonita Vista Middle	C. Shimasaki
Fourth Place	Environmental Sciences and Management	Andres Drab	How Clean Is Your Water?	St. Didacus School	R. Blickenstaff
Fourth Place	Environmental Sciences and Management	Adela Estudillo	Water Purification	St. Didacus School	R. Blickenstaff
Fourth Place	Environmental Sciences and Management	Ishan Kapoor	Effect of Strength of Electromagnet on Ferrous Metals On-site Recycling	Oak Valley Middle School	S. Kapoor
Fourth Place	Medicine and Health Sciences	Victoria Arroyo	Sugar in Bananas	St. Didacus School	R. Blickenstaff
Fourth Place	Medicine and Health Sciences	Patrick Dela Rosa	Artificial Light Affects Health?	National City Middle	R. Smith
Fourth Place	Medicine and Health Sciences	Lisa Nguyen	How do Foods Affect Our Daily Performance	St. Francis of Assisi	D. Fantey
Fourth Place	Medicine and Health Sciences	Annabella Ross	Coordination Conundrum	St. Peter the Apostle School	F. Jones
Fourth Place	Microbiology	Jude Dimes	Is Your Honey Real?	Islamic School of SD	A. Alkhawaja
Fourth Place	Microbiology	Kaylee Doliente	How Depth of Lake Miramar Affects Number of Microorganisms	Wangenheim Middle	T. Mendibles
Fourth Place	Microbiology	Liam Kelly	How Mold Affects Bread Under Different Circumstances	St. Columba School	D. Lunney
Fourth Place	Microbiology	Avraham Peikes	Antibacterial vs Regular Soap	Soille SD Hebrew Day School	M. Bessler
Fourth Place	Microbiology	Carina Peña	Do Cosmetics Affect the Amount of Bacteria on Phones	Chula Vista Middle	J. Fee
Fourth Place	Microbiology	John Youhanna	Death Rays	Carlton Hills Middle	K. Ducharme
Fourth Place	Physics and Astronomy	William Alexander	Which Asics shoe will have the most grip?	St. Gregory the Great School	M. Ryan

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Fourth Place	Physics and Astronomy	Will Bond	The Physics of Shooting a Basketball	St. Gregory the Great School	M. Ryan
Fourth Place	Physics and Astronomy	Caleb Mayville	Bombs Away	Carlton Hills Middle	K. Ducharme
Fourth Place	Physics and Astronomy	Victoria Bustria	Fastest Way to Cool a Soda	St. Columba School	T. Lunn
Fourth Place	Plant Sciences	Mara Clay	Compost Vs. Fertilizer	Mt. Helix Academy	S. Cohen
Fourth Place	Plant Sciences	Joshua Pajimola	Poisonous Water	St. Didacus School	R. Blickenstaff
Fourth Place	Plant Sciences	Isabel Post	The Effect of Fertilizer and Substances on Plant Growth	City Tree Christian School	M. Lee
Fourth Place	Plant Sciences	Claire Potter	The Effect of Medicine on Plants	St. Didacus School	R. Blickenstaff
Fourth Place	Plant Sciences	David Rock	The Effects of CO2 Levels on Mung Bean Plants	Soille SD Hebrew Day School	M. Bessler
Fourth Place	Plant Sciences	Jamie Ruddle	Hydroponics vs Soil	St. John School- Encinitas	G. Heins
Fourth Place	Plant Sciences	Minbo Shim	Do Plants Grow Better with Sunlight or Artificial Light?	St. Didacus School	R. Blickenstaff
Fourth Place	Plant Sciences	Mateo Torres	Oxigone	St. Peter the Apostle School	M. Bradford
Fourth Place	Plant Sciences	Angelique Vo	Propagating Succulents: Winter	St. Columba School	T. Lunn
Fourth Place	Product Testing/Consumer	Matthew Chin	Got Germs? What is the Best Hand Cleaner Brand?	St. Therese Academy	L. Peterson
Fourth Place	Product Testing/Consumer	Andrea Longenecker	Which Ice Cream Method Is More Popular	All Hallows Academy	D. Mezaey

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