

GSDSEF 2017 Junior Division Awards List
Alphabetical Order

Place Award	Last Name	First Name	Category	School	Grade Level	Teacher/ Advisor	Project Title
3rd Place	Abbott	Celesta	Physics and Astronomy	Oak Grove Middle	7	Shorr	Ready, set, CAST!
2nd Place	Abdi	Miski	Medicine and Health Sciences	Harriet Tubman Village Charter		Sharif	
3rd Place	Abdi	Saalim	Computer Science	Islamic School of SD	7	Naserelddin	Easy Business
2nd Place	Abts	Emily	Computer Science	St. Gregory the Great	7	Ryan	No More Dead Zones!
1st Place	Adams	Charlotte	Medicine and Health Sciences	Santa Fe Christian	7	Culley	Tuesday Is Lime Green
3rd Place	Adams	Mia	Medicine and Health Sciences	All Hallows	7	Lambert	Can You Roll Your Tongue?
2nd Place	Adato	Avishai	Plant Sciences	Soille S.D.Hebrew Day	8	Bessler	The Effect of Pesticides on Plant Growth
3rd Place	Agarma	Maleah	Biochemistry	Good Shepherd	8	McNeil	Stop Drinking Sugar
3rd Place	Agonoy	Matthew	Plant Sciences	St. Michael Academy	7	Brown	The Effects of Eggshells and Used Coffee Grounds on Radish Growth
2nd Place	Ahmed	Qurat	Consumer Sciences/Product	Islamic School of SD	7	Alkhawaja	How to Prevent Soggy Sandwiches by Using Different Wrapping Methods
3rd Place	Akinaga	Joseph	Medicine and Health Sciences	St. Francis	7	Warren	Which is worse for your teeth, diet or regular soda?
2nd Place	Alcalay	Alex	Microbiology	St. Rose of Lima	8	Urbiztondo	The Biometric Problem
4th Place	Alchalel	Rosie	Plant Sciences	S. D. Jewish Academy	8	Deveau	Organic Vs. Nonorganic
2nd Place	Al-Delaimy	Ayoob	Computer Science	Islamic School of SD	7	Naserelddin	Help Grandpa
2nd Place	Alfonso	Ryan	Environmental Science and Management	St. Rose of Lima	7	Urbiztondo	Reducing Water Evaporation

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3rd Place	Alford	Ella	Microbiology	All Hallows	7	Lambert	Bacteria Growth...GROSS!
2nd Place	Alkhawaja	Ro'aa	Behavioral/Social Sciences	Islamic School of SD	7	Alkhawaja	Don't Be a Puppet on a String
4th Place	Allen	Henry	Engineering - Energy and Transport	St. Mary Star of Sea	8	Englund	How the Humidor Affects the Baseball
4th Place	Almazan	Isabella	Biochemistry	Castle Park Middle		Rains	
1st Place	Altamirano	Gabriel	Engineering - Electrical and Mechanical	Notre Dame Academy	8	Lopatka	Can You See Me Now? The Science Behind Infrared Sensors
3rd Place	Aly	Yasser	Engineering - Energy and Transport	Islamic School of SD	8	Naserleddin	Can Evaporated Water Become Electricity
1st Place	Amanullah	Yusuf	Engineering - Electrical and Mechanical	Islamic School of SD	8	Naserleddin	A Novel Shower-Usage Monitoring System that Promotes Water Conservation
1st Place	Anderson	Eliza	Medicine and Health Sciences	St. Didacus	7	Blickenstaff	The Inheritance of Fingerprint Patterns
2nd Place	Andrade	Daniela	Behavioral/Social Sciences	St. John of the Cross	8	Krumm	The Science Behind Facial Expressions
3rd Place	Aparicio	Mario	Behavioral/Social Sciences	Castle Park Middle		Rains	
2nd Place	Aquino	Christian	Physics and Astronomy	Good Shepherd		McNeil	Two-Stage Water Filtration Unit
3rd Place	Armas	Lindsey	Engineering - Materials and Bioengineering	St. Michael Academy	7	Brown	How Does different temperatures affect a magnet strength.
1st Place	Armenta	Raul	Behavioral/Social Sciences	St. Therese	8	Beavers	Font-astic!
2nd Place	Armstrong	Samantha	Engineering - Electrical and Mechanical	Saint John School	7	Heins	What is the Best Type of Structure to Survive an Earthquake?
3rd Place	Arredondo	Jesus	Behavioral/Social Sciences	Eastlake Middle		Martinez	

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2nd Place	Audiss	Nathan	Chemistry	St. Didacus	8	Blickenstaff	No Flame No Gain
1st Place	Awad	Reem	Chemistry	Islamic School of SD	8	Alkhawaja	Would You Like a Side of Water With All That Oil?
1st Place	Baccay	Neil	Engineering - Materials and Bioengineering	St. Michael Academy	7	Brown	Strongest Slab!
3rd Place	Backlin	Ben	Physics and Astronomy	Rhoades	7	Hunker	Effects of Wind Control of a Parrot Quadcopter
2nd Place	Badea	Megan	Environmental Science and Management	Eastlake Middle	8	Martinez	Bees Vs. Mold
3rd Place	Bartsch	Alexandra	Medicine and Health Sciences	De Portola Middle	8	Bridges	Oh How Sweet It Is!
4th Place	Becker	Roger	Biochemistry	St. Didacus	8	Blickenstaff	Milk Spoilage
2nd Place	Beim	Owen	Animal Sciences	Rhoades	8	Hunker	Monitoring Garibaldi in the Agua Hedionda Lagoon: Year II
3rd Place	Belay	Naomi	Microbiology	St. Didacus	7	Blickenstaff	Does Hand Sanitizer Work?
3rd Place	Bell	Jovani	Physics and Astronomy	Chula Vista Middle	8	Saclauso-Caro	The Effect of Tee Height on Shot Distance
2nd Place	Bemaras	Samuel	Engineering - Energy and Transport	Soille S.D.Hebrew Day	8	Bessler	Earthquakes
3rd Place	Bendo	Christian	Behavioral/Social Sciences	St. Michaels Academy	7	Brown	Ambiguous Illusions
4th Place	Bendo	Danika	Behavioral/Social Sciences	St. Michaels Academy	8	Brown	Screen vs Printed Tests: Which Affects Retention the Most?
1st Place	Bennett	Evan	Engineering - Electrical and Mechanical	Santa Fe Christian	7	Culley	Trebuchet: Maximizing Distance
3rd Place	Beresford	Alejandra	Plant Sciences	Stella Maris Academy	8	Klubberud	A Greener Thumb

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3rd Place	Bick	Garrett	Physics and Astronomy	St. Mary Star of Sea	7	Englund	Pneumatic Potato Gun
3rd Place	Biese	Paul	Biochemistry	St. Joseph Academy	7	Hanson	MSG: Is it Harmful?
3rd Place	Bilal	Haniyah	Behavioral/Social Sciences	Islamic School of SD	8	Alkhawaja	Does Priming Affect Student Performance?
3rd Place	Bixel	Lauren	Biochemistry	St. Didacus	7	Blickenstaff	Gross Globbs of Gluten!
2nd Place	Blue	Vivian	Microbiology	Rhoades	7	Hunker	Can Water Bottle Materials Impact Bacterial Growth?
2nd Place	Bodenhamer	Tyler	Engineering - Materials and Bioengineering	De Portola Middle	7	Bridges	The Study of Seismic Control of Buildings During an Earthquake
2nd Place	Bonakdar	Bodhi	Behavioral/Social Sciences	Stella Maris Academy	8	Klubberud	Which Law of Human Perception by Grouping Has the Most Effect Over the Estimation of
1st Place	Boren	Alex	Engineering - Materials and Bioengineering	School of Madeleine	8	Herreweyers	Fantastic Plastic
2nd Place	Bose	Saurav	Medicine and Health Sciences	Rhoades	8	Hunker	Effects of Fatigue on Anaerobic Activitiy
2nd Place	Bounyavong	Brooke	Environmental Science and Management	Wangenheim Middle	8	Madsen	Which Absorbent Material is Most Effective at Absorbing Oil?
2nd Place	Boyd	Bella	Animal Sciences	St. Didacus	7	Blickenstaff	Best Worm Reproduction Soil
2nd Place	Branson	Kelsey	Medicine and Health Sciences	All Hallows	7	Lambert	Teen Drinks: Teeth Stainers or Brightners
3rd Place	Brant	Autumn	Biochemistry	Mt. Helix Academy	7	Cohen	What Can Keep Apples from Turning Brown?
3rd Place	Breise	Jordan	Behavioral/Social Sciences	The Children's School	8	Brown	Will They Look?
2nd Place	Brem	Ryan	Behavioral/Social Sciences	Rhoades	7	Hunker	What's Easier to Solve: A Riddle or a Lateral Thinking Puzzle?

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2nd Place	Brewer	Kayla	Medicine and Health Sciences	Rhoades	7	Hunker	Turn It Down! Measuring Decibel Tolerances in Children
3rd Place	Brzezinski	Szymon	Plant Sciences	Soille S.D.Hebrew Day	8	Bessler	Is Greywater Better than Water?
3rd Place	Buckley	Isabella	Medicine and Health Sciences	Sacred Heart (Coronado)	8	Bartlett	Simply Snacking
1st Place	Buendia	Alexander	Consumer Sciences/Product	Good Shepherd	8	McNeil	What is the Best Material to Prevent a Concussion?
3rd Place	Bueno	Esther	Environmental Science and Management	Chula Vista Middle	8	Saclauso Caro	The Effect of Fabric Types on Heat Absorbance Time
2nd Place	Buford	Dhaamin	Physics and Astronomy	Rancho Del Rey Middle	8	Castillo	Radiation Experimentation: A Star Wars Quote Proven True
2nd Place	Burton	Kyle	Consumer Sciences/Product	Nazareth	7	Reed	What Baseball Wristguard Design is Most Protective?
1st Place	Butler	Manny	Physics and Astronomy	All Hallows	7	Lambert	The Mpemba Effect in Other Household Liquids
3rd Place	Butler	Sirenyty	Engineering - Electrical and Mechanical	National City Middle	7	Lualhati	All Terrain Robots
1st Place	Byrnes	Aidan	Physics and Astronomy	Rhoades	7	Hunker	Avian Dangers: Developing Devices for the Prevention of Bird Strike
3rd Place	Cady	Alexis	Physics and Astronomy	Mt. Helix Academy	7	Cohen	At Which Pressure (Pa) Will a Volleyball Bounce Highest?
1st Place	Cahill	Adelaide	Animal Sciences	Classical Conversations		Schmidaler	
1st Place	Cai	Sean	Behavioral/Social Sciences	Marshall Middle	8	Gillum	Using Linguistic Cues for the Automatic Recognition of Personality
3rd Place	Cajes	Elie	Environmental Science and Management	Bonita Vista Middle	7	Cardenas	Can Plants Prevent Soil Erosion?
3rd Place	Calderon	Grace	Behavioral/Social Sciences	S. D. Jewish Academy	8	Deveau	Think Fast

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3rd Place	Cameron	Sandy	Consumer Sciences/Product	Rhoades	7	Hunker	Are All Cookie Sheets Created Equal?
3rd Place	Campos	Christian	Engineering - Electrical and Mechanical	Wilson Jr Hi	7	Shiffer	Rubberband Driven Fly Wheel
4th Place	Carcamo	Carol	Chemistry	National City Middle	7	Lualhati	ph Stimulation
4th Place	Carpenter	Miguel	Medicine and Health Sciences	St. Rose of Lima	7	Urbiztondo	Testing Olfactory Fatigue in Varied Healthy Subjects
3rd Place	Carrillo	Matthew	Environmental Science and Management	Pius X	8	Doyle	Graywater
2nd Place	Casillas	Itzel	Plant Sciences	St. Rose of Lima	7	Urbiztondo	Production of Energy Through the Process of Photosynthesis
1st Place	Castaneda	Gabriel	Engineering - Electrical and Mechanical	St. Didacus	7	Blickenstaff	Dynamo Discoveries
2nd Place	Castorena	Mayn	Chemistry	De Portola	8	Bridges	What is the Best Temperature for Luminol?
3rd Place	Castronovo	Frankie	Plant Sciences	All Hallows	7	Lambert	Do Human Growth Hormones Affect the Growth Rate of Basil?
1st Place	Catanzaro	Francisco	Physics and Astronomy	Pacific Beach Middle	8	Potter	Detecting Gopher Tunnels Using Ground Penetrating Radar
3rd Place	Cayabyab	Joann	Plant Sciences	St. Didacus	7	Blickenstaff	Juiciest Oranges
2nd Place	Ceballos	Sofia	Environmental Science and Management	St. Rose of Lima	7	Urbiztondo	Careless water
3rd Place	Chavez	Isabella	Engineering - Energy and Transport	Sacred Heart (Coronado)	8	Twomey	How To Transport Water Well
3rd Place	Chazin	Tianne	Medicine and Health Sciences	Rhoades	7	Hunker	Variations in Color Perception Acuity in Children
3rd Place	Chizhik	Aaron	Engineering - Materials and Bioengineering	Mt. Everest Academy	8	Negus	The Hills Are Alive with the Sound of Watermelon!

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1st Place	Chougle	Sadaf	Environmental Science and Management	Islamic School of SD	7	Alkhawaja	How Does Trash Effect the Oxygen Levels in Water
1st Place	Chrostowski	Kaya	Behavioral/Social Sciences	St. Francis	8	Warren	Does the sugar and fat we consume affect our brains?
2nd Place	Clardy	Megan	Medicine and Health Sciences	Santa Fe Christian	7	Culley	Music Matters
3rd Place	Cleveland	Aviel	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	Distracted Driving
4th Place	Cleveland	Nathan	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	Will You Press The Button?
3rd Place	Clevenger	Noah	Consumer Sciences/Product	Oak Grove Middle	7	Shorr	Two Stroke vs Four Stroke
2nd Place	Cochran	Kylee	Behavioral/Social Sciences	De Portola Middle	8	Bridges	Is Beauty in the Eye of the Beholder?
2nd Place	Cochran	Michael	Environmental Science and Management	Corfman/McCabe School - El	7	Gibson	The Science of Substrates
2nd Place	Cohen	Akiva	Engineering - Materials and Bioengineering	Soille S.D.Hebrew Day	8	Bessler	Building Bridges
4th Place	Collis	Makenzie	Chemistry	St. Mary Star of Sea	7	Englund	Blood Spatter
2nd Place	Concepcion	Emily	Behavioral/Social Sciences	St. Didacus	8	Blickenstaff	"Is Mint The Hint?"
1st Place	Cook	Sean	Medicine and Health Sciences	Rhoades	8	Hunker	Are Caps on Medication Bottles Really Child-proof?
3rd Place	Coons	Benjamin	Engineering - Energy and Transport	Santa Fe Christian	7	Cully	Solar Furnace
3rd Place	Corpuz	Marianne	Behavioral/Social Sciences	St. Michael Academy	7	Brown	Electronic vs Paper
1st Place	Courchesne	Sierra	Behavioral/Social Sciences	Grant Middle School	8	Baldwin	Empathy and Social Perception: Gender Based or Not?

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2nd Place	Coy	Eric	Engineering - Electrical and Mechanical	St. Mary's Escondido	7	Martinez	Electronic Mouse Trap (Which One Works?)
3rd Place	Crain	Jacob	Consumer Sciences/Product	St. Peter the Apostle	8	Jones	Arrow-Dynamics
3rd Place	Cruz	Rebeca	Consumer Sciences/Product	Chula Vista Middle	8	Saclauso Caro	The Reality of pH Level in Commercial Bottled Water
3rd Place	Cu	Mark	Engineering - Electrical and Mechanical	St. Rose of Lima	7	Urbiztondo	Wi-Findings
2nd Place	Cutler	Brady	Biochemistry	St. Joseph Academy	7	Hanson	Which Popular Soda is the Most Corrosive to Teeth?
1st Place	Czerniak	Lael	Biochemistry	St. Gregory the Great	7	Ryan	Meat Mystery
3rd Place	Daluz	Nina	Environmental Science and Management	St. Didacus	8	Blickenstaff	Testing Water Acidity
1st Place	Danowsky	Jake	Consumer Sciences/Product	Rhoades	7	Hunker	Effectiveness of Commercial Netting in Preventing Soil Erosion
3rd Place	David	Tristan	Physics and Astronomy	National City Middle	7	Lualhati	Magnets and Loudness of Sound
3rd Place	De La Cruz	Josephina	Environmental Science and Management	Chula Vista Middle	8	Fee	Bioplastic Degradation
1st Place	De Lara	Isaac	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	TV Madness
4th Place	De Los Santos	Loren Joy	Plant Sciences	Good Shepherd	8	McNeil	Recycling Greywater
1st Place	DeGuzman	Alexander	Consumer Sciences/Product	St. Rose of Lima	8	Urbiztondo	Solar Cell Power Output vs. Light Intensity & Temperature
2nd Place	Dehaini	Hamza	Engineering - Materials and Bioengineering	Islamic School of SD	8	Naser	The Toughest Tower
2nd Place	Dei	Domenic	Behavioral/Social Sciences	Rhoades	7	Hunker	Does Presenting Information in Song Format Enhance Recall?

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1st Place	Delgado	Catherine	Biochemistry	Wangenheim Middle	8	Madsen	Does the Presence of Food in the Stomach Affect How Fast Iron Dissolves?
1st Place	Derderian	Adrian	Behavioral/Social Sciences	Escondido Christian School	7	DeLucia	The Wisdom of the Crowd
2nd Place	DiPaolo	Joe	Engineering - Energy and Transport	St. Didacus	8	Blickenstaff	Up, Up and Away
2nd Place	Discar	Isabella	Medicine and Health Sciences	Classical Conversations		Quileza	
1st Place	Do	Kevin	Mathematical Sciences	Grant Middle School	8	Baldwin	Predicting Sport Outcomes: Pythagorean Expectation
2nd Place	Doan	Madison	Engineering - Electrical and Mechanical	St. Joseph's Academy	8	Rice	Radio Waves and Electricity
2nd Place	Dome	Ethan	Physics and Astronomy	Bonita Vista Middle	7	Shimasaki	Where is the Center of the Milky Way Galaxy?
3rd Place	Dominguez	Clara	Behavioral/Social Sciences	St. Joseph Academy	7	Rice	Memory Mnemonics
4th Place	Dominguez	Maria	Behavioral/Social Sciences	St. Therese	8	Beavers	What Effect Does Color Have on Readability?
3rd Place	Downey	Leonardo	Chemistry	Sacred Heart (Coronado)	7	Twomey	UV Reaction Rate
2nd Place	Dullea	Michael	Plant Sciences	St. Rose of Lima	8	Urbiztondo	Will Dirty H2O Make Your Vegetables Grow?
1st Place	Eckmann	Peter	Engineering - Energy and Transport	Stella Maris Academy	8	Klubberud	Airfoil Optimization by Applying Evolutionary Algorithms to Computational Fluid Dynamics
3rd Place	Eggleton	Thomas	Medicine and Health Sciences	Mt. Helix Academy	7	Cohé	Trick or Treat
2nd Place	Elsaad	Jasmine	Behavioral/Social Sciences	Rhoades	7	Hunker	Can a Tactile Experience Improve Visual Spatial Skills Performance?
1st Place	Eldegwy	Omar	Chemistry	Islamic School of SD	8	Alkhawaja	How to: Itch Proof Detergent

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4th Place	Elmer	Lindsay	Plant Sciences	St. Joseph Academy	7	Hanson	Too Healthy Tomatoes?
3rd Place	Elmer	Timothy	Plant Sciences	St. Joseph Academy	8	Rice	Hydroponics vs. Soil
2nd Place	Elmore	Matthew	Microbiology	St. Joseph Academy	7	Rice	No More Yuck on Those Soda Cans
3rd Place	Elshafie	Fayza	Chemistry	Islamic School of SD	8	Alkhawaja	Making Organic Lip Balm
3rd Place	Enciso	Juan	Behavioral/Social Sciences	St. Didacus	8	Blickenstaff	Fit or Fad?
1st Place	Epley	Sophia	Behavioral/Social Sciences	Bonita Vista Middle	8	Shimasaki	Fifth Grade Students' Attitudes Toward Police Officers, Doctors, Firefighters and Teachers: The
2nd Place	Escudero	Nelson	Engineering - Electrical and Mechanical	St. Mary Star of Sea	7	Englund	Testing Different Conveyor Belts on a Van De Graaff Genetator
1st Place	Esguerra	Dominique	Animal Sciences	Nazareth	7	Reed	Does Flouride Affect the Survival Rate of Daphnia
1st Place	Estrada	Isabella	Plant Sciences	St. Michael Academy	8	Brown	The Effect of Elevated Levels of CO2 On Plant Growth
2nd Place	Estudillo	Antonio	Plant Sciences	St. Didacus	7	Blickenstaff	Hydroponic Systems
1st Place	Fabian, Fernandez	Arlyn, Haley	Engineering - Materials and Bioengineering	Rancho Del Rey Middle	8	Castillo	Fog Catchers
3rd Place	Favila	Valeria	Microbiology	St. Michael Academy	7	Brown	Effect of Temperature on the Production of CO2 in Sucrose and Yeast
2nd Place	Ferguson	Emily	Behavioral/Social Sciences	Rhoades	8	Hunker	Investigating the Effects of Technology on Eyewitness Recall
2nd Place	Figueroa	Alan	Biochemistry	Oak Grove Middle	7	Shorr	One Bad Apple Spoils the Whole Batch
2nd Place	Findley	Allison	Environmental Science and Management	All Hallows	7	Lambert	Collecting Dew: Finding the Best Way

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2nd Place	Fiskness	Carly	Behavioral/Social Sciences	Rhoades	8	Hunker	Effects of Peer Pressure on Recall
1st Place	Flores	Larissa	Earth and Planetary Sciences	Barbara Worth Middle	8	Calip	Pond Life Vs. Nanosilver
1st Place	Flynn	Maille	Engineering - Materials and Bioengineering	All Hallows	7	Lambert	It's Too Loud In Here! Testing Materials For Soundproofing
2nd Place	Forsuth	Rosalia	Biochemistry	Wangenheim Middle	8	Madsen	How Much Energy is Stored in Energy Bars?
1st Place	Fowler	Lou	Engineering - Energy and Transport	The Children's School	7	Brown	Wind Power: The Effect of Angle of Attack, Length of Blades, and Number of Blades on a
4th Place	Franco	Ricardo	Biochemistry	St. John of the Cross	8	Krumm	A Device to Identify DNA
2nd Place	Franssens	Brooke	Medicine and Health Sciences	Nazareth	7	Reed	Is Sensitivity Heightened On Your Dominant Side?
2nd Place	French	Brenna	Plant Sciences	School of Madeleine	8	Herreweyers	Flora, Fauna, Radish Sprout Phenomena
2nd Place	Fritz	Kara	Animal Sciences	Rhoades	7	Hunker	Exploring Equine Responses to Auditory vs. Visual Stimuli
3rd Place	Fudge	Sophia	Plant Sciences	St. Didacus	7	Blickenstaff	Daily Grass Watering
3rd Place	Fuson	Megan	Medicine and Health Sciences	Nazareth	7	Reed	Does Soccer Headgear Prevent Concussions?
3rd Place	Fuster	Lukas	Environmental Science and Management	Stella Maris Academy	8	Klubberud	Can Soil Absorb Car Exhaust Pollution?
3rd Place	Gambale	Elliot	Physics and Astronomy	Saint John School	7	Heins	Car Crash Barrier
1st Place	Gan	Jessie	Biochemistry	S.D. Jewish Academy	8	Deveau	Natural Antioxidant and Nano-Antioxidant Effects Against Oxidative Stress
3rd Place	Ganzon	Angelo	Environmental Science and Management	St. Joseph Academy	7	Rice	Homemade Water Filtration System

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3rd Place	Garcia	Elizabeth	Engineering - Energy and Transport	St. Rose of Lima	8	Urbiztondo	The Limiting Agents of a Solar Panel
2nd Place	Gaston	Maya	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	Reaction Time
2nd Place	Gerlach	Daniel	Environmental Science and Management	Rhoades	7	Hunker	Effects of Air Freshener Compounds on Plant Health
4th Place	Giammarinaro	Mia	Engineering - Electrical and Mechanical	St. Francis	8	Warren	Arduino J2534
1st Place	Gmyr	Noelle	Behavioral/Social Sciences	Santa Fe Christian	7	Culley	Do Dancers Have Better Reflexes?
2nd Place	Goldberg	Nathan	Physics and Astronomy	Mt. Helix Academy	8	Cohen	Does Hot Water Freeze Faster than Cold Water?
1st Place	Goldberg	Zachary	Engineering - Electrical and Mechanical	Mt. Helix Academy	8	Cohen	Trebuchet: The Counterweight: Payload Ratio
3rd Place	Gomez	Carlos	Plant Sciences	St. Michael Academy	7	Brown	The Effect of Light Wavelength on Plant Growth
4th Place	Gonzalez-Hughes	Diego	Plant Sciences	St. Mary Star of Sea	8	Englund	Testing Best Crop-Growing Practices: Fertilizers and Yield Outcome
2nd Place	Goswami	Marissa	Environmental Science and Management	Rhoades	7	Hunker	Investigating the Effects of Insecticides on Artemis Salina
3rd Place	Guiniling	Jonrey	Microbiology	Wangenheim Middle	8	Madsen	Can Silver Nanoparticles Effect E. Coli Bacteria?
2nd Place	Haagensen	Annika	Medicine and Health Sciences	Notre Dame Academy	7	Lopatka	Blood Clot or Not?
3rd Place	Hable	Jake	Environmental Science and Management	St. Didacus	8	Blickenstaff	Safe and Sound
1st Place	Hall	Marcus	Engineering - Energy and Transport	Mt. Everest Academy	8	Tran	Hydro-Electric Turbofans
1st Place	Hansen	Amanda	Plant Sciences	Saint John School	7	Heins	Effects of Sunscreen on the Ocean's Red Macroalgae

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3rd Place	Hansen	Olivia	Engineering - Electrical and Mechanical	Saint John School	7	Heins	How Does Drag Affect A Swimmer?
2nd Place	Hawkins	Ian	Consumer Sciences/Product	St. Peter the Apostle	8	Jones	Science Fair Tires Me Out
2nd Place	He	Yuhan (Gary)	Behavioral/Social Sciences	Mesa Verde Middle	7	Bird	Reducing Food Waste in Mesa Verde MS
4th Place	Henderson	Ashley	Environmental Science and Management	Wangenheim Middle	8	Madsen	What Water Saving Projects Will Decrease in a Household?
3rd Place	Hernandez	Caroline	Consumer Sciences/Product	Nazareth	7	Reed	Which Mascara is Most Waterproof?
3rd Place	Hernandez	Mario	Microbiology	St. John of the Cross	8	Krumm	Does Mouthwash Kill 99% of Bacteria
2nd Place	Hernandez	Noah	Engineering - Electrical and Mechanical	St. Gregory the Great	7	Ryan	The Kick Kick Trials
3rd Place	Hickey	Helena	Behavioral/Social Sciences	Wangenheim Middle	8	Madsen	How Reliable is the Eyewitness Testimony?
2nd Place	Hightower	Jack	Engineering - Electrical and Mechanical	St. Columba	7	Lunn	What Type of Bridge Can Support the Most Wait?
4th Place	Hirsch	Jillian	Biochemistry	St. Columba		Lunn	
1st Place	Hirst	Isabella	Microbiology	Rhoades	7	Hunker	Buyer Beware: Comparison of Bacterial Contamination in Store Bought vs. Online Jeans
1st Place	Hobbib	Krista	Consumer Sciences/Product	Marshall Middle	8	Gillum	Pucker Up: Putting Long-Lasting Lipstick to the Test
2nd Place	Hogan	Kiley	Behavioral/Social Sciences	Rhoades	8	Hunker	On Task: Student Persistence in Public vs. Private Environments
2nd Place	Horn	Jacob	Plant Sciences	Soille S.D.Hebrew Day	8	Bessler	Illumination Duration Alteration Narration On Vegetation
1st Place	Horsley	Finn	Consumer Sciences/Product	Rhoades	8	Hunker	Investigating the Efficacy of Popular Ski Waxes

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2nd Place	Houk	Michael	Behavioral/Social Sciences	Rhoades	7	Hunker	The Effects of Motion on Inattentive Blindness
2nd Place	House	Savanna	Behavioral/Social Sciences	Saint John School	8	Heins	Does The Human Eye Think?
4th Place	Hovland	Alexis	Biochemistry	St. Pius X	7	Doyle	Will the Color of an Egg Yolk Change?
2nd Place	Huracha	Yamila	Consumer Sciences/Product	Sacred Heart (Coronado)	7	Barlett	Bath Bomb Effervescence
1st Place	Huynh	Ethan	Engineering - Electrical and Mechanical	St. Michaels School SD	7	Brown	Best Fan Blade Angle
2nd Place	Imran	Muhammadsha heer	Computer Science	Islamic School of SD	8	Naserleddin	Statistical Prediction of Heart Disease Using Machine Learning
3rd Place	Iwai	Malia	Environmental Science and Management	Wangenheim Middle	8	Madsen	What Materials are Best to Clarify Contaminated Water?
2nd Place	Jacobson	Emily	Environmental Science and Management	De Portola Middle	8	Bridges	Plastic Bags
2nd Place	Jamaledin	Duaa	Medicine and Health Sciences	National University	7	Dillard	Are Fingerprint Patterns Inherited?
2nd Place	Joelson	Zachary	Consumer Sciences/Product	Rhoades	7	Hunker	Better Bounce: Wilson vs Spalding Basketballs
3rd Place	Jordan	Timothy	Chemistry	St. Pius X	8	Doyle	Chill Out
3rd Place	Joseph	Nathan	Engineering - Electrical and Mechanical	St. Mary Star of Sea	7	Englund	The Energy Produced by Different Sized Wind Turbine Blades
1st Place	Kamran	Izzah	Engineering - Electrical and Mechanical	Islamic School of SD	8	Naser	Solar Roller: An Efficient Solar Device
3rd Place	Kaplan	Yosef	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	Music The Workout Changer
2nd Place	Kazmi	Musab	Chemistry	Islamic School of SD	8	Alkhawaja	Accessible Graffiti Removal Techniques

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Place Award	Last Name	First Name	Category	School	Grade Level	Teacher/ Advisor	Project Title
1st Place	Kennedy	Lauren	Chemistry	St. Columba	7	Lunn	Plastic into Milk
3rd Place	Kerney	Gia	Physics and Astronomy	Good Shepherd	7	McNeil	H2O: How to Operate Energy
3rd Place	Kikkawa	Claire	Physics and Astronomy	Santa Fe Christian	7	Culley	Effect of heat on rubber bands
1st Place	Kim	Elliott	Computer Science	Marshall Middle	8	Gillum	Enabling Tactile Sense Based Communication
2nd Place	Kisir	Sophia	Consumer Sciences/Product	Nazareth	7	Reed	Bottle Water? Purified or Natural Source-Is there a difference
3rd Place	Klein	Elisha	Medicine and Health Sciences	Soille S.D.Hebrew Day	8	Bessler	Effect of Sleep on Athletic Performance
4th Place	Klimsak	John	Engineering - Energy and Transport	St. Pius X	7	Doyle	Can you Cook a Hotdog with Sunlight and a Parabola?
1st Place	Konyn	Kylie	Animal Sciences	St. Joseph Academy		Rice	
1st Place	Kovarik	Colin	Consumer Sciences/Product	Rincon Middle	7	Hunker	Comparing EMF Emission of Common Household Appliances
1st Place	Kuang	Andrew	Environmental Science and Management	Carmel Valley Middle	7	McVay	Cilantro as a Heavy Metal Biosorbent
3rd Place	Kubczak	Megan	Biochemistry	Saint John School	8	Heins	Electrolytes
1st Place	Kulick	Christopher	Behavioral/Social Sciences	Rhoades	8	Hunker	Investigating Disabled Accessibility Compliance at North County Bus Stops
2nd Place	Kunin-ur	Taylor	Behavioral/Social Sciences	Grant	7	Baldwin	Pay Attention
2nd Place	Kwon	Emily	Environmental Science and Management	St. Pius X	8	Doyle	From Ocean Water to "Drinkable" - DIY Reverse Osmosis Water Filter
2nd Place	LaBelle	Benjamin	Engineering - Energy and Transport	Chula Vista Middle	8	Fee	The Effect of Wind Turbine Design on Electricity Production

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Place Award	Last Name	First Name	Category	School	Grade Level	Teacher/ Advisor	Project Title
3rd Place	Land	Gabrielle	Consumer Sciences/Product	Nazareth	7	Reed	Which over-the-counter lactase tablets create the most acidity?
1st Place	Larson Moreno	Seney	Engineering - Materials and Bioengineering	St. Didacus	8	Blickenstaff	When It Rains, It Drains, Best Additives for Permeable Concrete
3rd Place	Le	Steven	Engineering - Energy and Transport	Wangenheim Middle	8	Madsen	Does the Angle of Solar Panels Affect Its Efficiency?
2nd Place	Lemon	Phoebe	Animal Sciences	Rhoades	7	Hunker	Investigating Feline Responses to Bird Songs
2nd Place	Leos	Chaya	Animal Sciences	Soille S.D.Hebrew Day	8	Bessler	RepellANTS
2nd Place	Levy	Dahlia	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	The Power of Suggestion
1st Place	Lewis	Matthew	Animal Sciences	Classical Conversations	8	Lewis	Circadian Conundrum
3rd Place	Liebman	Ahuvah	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	Does Violence Affect Your Moral Judgement?
1st Place	Lifset	Jude	Medicine and Health Sciences	Rhoades	7	Hunker	Reducing Hot Water to Safe Drinking Temperatures Using Phase Change Materials
3rd Place	Lindgren	Iris	Animal Sciences	St. Didacus	8	Blickenstaff	Position vs. Color Pt. 2
3rd Place	Lis	Samuel	Plant Sciences	Sacred Heart (Coronado)	7	Bartlett	Grafting Tomatoes and Peppers
3rd Place	Littlejohn	Lauren	Chemistry	Santa Fe Christian	7	Culley	The Effect of Lactase in Regular vs. Lactose-free Milk
4th Place	Llevaras	Marianne	Physics and Astronomy	St. Michael Academy	8	Brown	Will It Generate?
3rd Place	Lopez	Jacob	Engineering - Electrical and Mechanical	Grant Middle Schoo	8	Baldwin	Does Tire Type Influence an Actual Vehicles Driving Performance???
2nd Place	Lorenzo	Sharlene	Engineering - Energy and Transport	Wangenheim Middle	8	Madsen	What is the Effect of Rocket Nose Shape on Air Time?

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4th Place	Loza	Madelin	Engineering - Electrical and Mechanical	Corfman/McCabe School	7	Gibson	Solar Robot
3rd Place	Lozach	Killian	Environmental Science and Management	San Diego French Acad		Jacoway	Coral with Calcium Hydroxide
3rd Place	Luansing	Kehn Mondee	Engineering - Energy and Transport	Wangenheim Middle	8	Madsen	Does The Chord Width Affect An Airplane Propeller's Efficiency?
2nd Place	Lucey	Conner	Behavioral/Social Sciences	Rhoades	8	Hunker	Comparing Recall of Numeric vs. Alphanumeric Sequences
1st Place	Luciani	Daniella	Engineering - Electrical and Mechanical	Saint John School	7	Heins	Light Tracking Robot
2nd Place	Luzi	Nicholas	Plant Sciences	St. Joseph Academy	7	Hanson	Battle of the Ponics
1st Place	Lyons	Colleen	Behavioral/Social Sciences	Notre Dame Academy	7	Lopatka	How Does Age Affect the Stroop Effect?
4th Place	Macary	Pamela	Behavioral/Social Sciences	St. John of the Cross	8	Krumm	How many people my age have an eating disorder?
2nd Place	Macavinta	Chelsea	Engineering - Materials and Bioengineering	Good Shepherd	8	McNeil	Building Tool to Discover the Field Forensics
2nd Place	MacGaffey	Nicole	Environmental Science and Management	Bonita Vista Middle	7	Cardenas	Can You Water Your Grass with Grey Water?
3rd Place	Macias	Erika	Physics and Astronomy	De Portola	8	Bridges	How to make a Piano Sing
2nd Place	Mahjouri	Sammy	Medicine and Health Sciences	Rhoades	7	Hunker	Measuring Conductivity of Dental Implants: Zirconia vs. Titanium
1st Place	Mahmood	Umair	Plant Sciences	Rhoades	7	Hunker	Flammability Properties of Native and Non-Native Landscape Plants
2nd Place	Mai	Stacy	Behavioral/Social Sciences	De Portola Middle	8	Bridges	How Birth Order Affects Personalities
2nd Place	Malone	Sahala	Physics and Astronomy	Carlton Hills		Ducharme	

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3rd Place	Maloney	Sean	Consumer Sciences/Product	St. Mary's Escondido	8	Martinez	Is Your Food Really Safe?
2nd Place	Manalo	Richard	Plant Sciences	St. Rose of Lima	8	Urbiztondo	Stationary vs. Rotational, Vertical Hydroponics
1st Place	Mandyam	Atulya	Animal Sciences	Mesa Verde Middle	7	Bird	Exercise Output in Male and Female Subjects that Voluntarily Exercise
3rd Place	Mapel	Joshua	Physics and Astronomy	Wangenheim Middle	8	Madsen	Does a Corked Bat Hit Farther Than a Regulation Bat?
3rd Place	Mark	Gabriela	Plant Sciences	Mt. Helix Academy	8	Cohen	How Does Microwave Radiation Affect Plants?
3rd Place	Marquez	Ashley	Engineering - Energy and Transport	Chula Vista Middle	8	Fee	Using Wind Energy to Charge a Phone
4th Place	Marrujo	Gabriel	Physics and Astronomy	St. Didacus	7	Blickenstaff	Biomechanics of Pitching
2nd Place	Martenson	Eloise	Environmental Science and Management	Santa Fe Christian	7	Culley	Vigorous Green Growing to be Seen
3rd Place	Martinez	Matthew	Engineering - Energy and Transport	St. Mary Star of Sea	8	Englund	Which Paper Airplane Flies Best?
2nd Place	Martinez	Nicholas	Engineering - Energy and Transport	St. Mary Star of Sea	7	Englund	Solar Power: Cloudy vs. Sunny
1st Place	Martinez	Nicolas	Plant Sciences	St. Mary Star of Sea	8	Englund	Which Do Plants Prefer - Eggshells, Coffee, or Both?
3rd Place	Martinez	Talisa	Chemistry	Corfman/McCabe School	7	Gibson	A Slimy Situation: The Science Behind Slime
2nd Place	Masangya	Kayla	Consumer Sciences/Product	St. Rose of Lima	8	Urbiztondo	Water Purification
3rd Place	Mateo-Torres	Jose	Consumer Sciences/Product	St. Peter the Apostle	7	Jones	Organic: Worth the Cost?
1st Place	Matlaga	Jonathan	Environmental Science and Management	St. Mary Star of Sea	8	Englund	Ignis Planta

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2nd Place	McArdle	Heidi	Biochemistry	Saint John School	8	Heins	Plant DNA Extraction
1st Place	McCormick	William	Physics and Astronomy	Rhoades	7	Hunker	Measuring Electromagnetic Fields at Local Power Transmission Towers
3rd Place	McGehee	Jeffrie	Physics and Astronomy	Sacred Heart (Coronado)	7	Twomey	Does the Temperature of the Golf Ball Affect the Golf Ball's Ability to Bounce?
2nd Place	McGrattan	Kelsey	Microbiology	St. Gregory the Great	7	Ryan	Human vs. Dog - Who Gets It Cleaner?
1st Place	McKinney	Veronica	Physics and Astronomy	Good Shepherd	8	McNeil	A Dielectric's Effect on Capacitance
2nd Place	McKone-Sweet	Maya	Physics and Astronomy	St. Michaels School SD		McHale	Catapult-It
2nd Place	McMahon	Austin	Physics and Astronomy	Saint John School	7	Heins	How the Strength of a Magnet Varies With Temperature
2nd Place	Megow	Amelia	Earth and Planetary Sciences	City Tree Christian	7	Lucas	Shake it up!
2nd Place	Memon	Suha	Computer Science	Islamic School of SD	7	Nasereiddin	Student and Teacher Communication
2nd Place	Mendoza	Josue	Engineering - Electrical and Mechanical	Barbara Worth Middle	7	Soto	Which Material Makes The Electrical Conductor For Tesla Coil?
3rd Place	Meziere	Donald	Earth and Planetary Sciences	St. Mary's Escondido	7	Martinez	Radiation
3rd Place	Minimo	John Paul	Computer Science	National City Middle	8	Smith	Blast Processing!!
2nd Place	Miret	Santiago	Consumer Sciences/Product	St. Rose of Lima	8	Urbiztondo	Is Your Country's Food Safe?
3rd Place	Mitchell	Annabelle	Biochemistry	Classical Conversations	8	Mitchell	Nutritional Benefit of Organic Oranges
4th Place	Modregon	Raymond	Medicine and Health Sciences	Discovery Charter School	8	Peterson	Cast Cool

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4th Place	Mohamed	Amal	Behavioral/Social Sciences	Harriet Tubman Village Charter	7	Sharif	Can Color Affect a Person's Perception?
2nd Place	Monzon	Justin	Chemistry	Rancho Del Rey Middle	8	Castillo	Electrolysis of Water
3rd Place	Morales	Laura	Plant Sciences	St. Michael Academy	7	Brown	What is the Effect of Nitrogen on Plant Growth?
2nd Place	Morsi	Nadeen	Engineering - Materials and Bioengineering	Islamic School of SD	7	Naserelddin	Shaping the Future with Micro-Powders
2nd Place	Moryosef	Hadassah	Engineering - Materials and Bioengineering	Soille S.D.Hebrew Day	8	Bessler	Tsunamis
3rd Place	Muradagha	Nada	Consumer Sciences/Product	Islamic School of SD	7	Al Khawaja	Is All Nail Polish Water Permeable?
2nd Place	Nagtalon	Kenneth	Consumer Sciences/Product	St. Michael Academy	8	Brown	"Childproof" Containers
2nd Place	Naguit	Dominic	Chemistry	St. Joseph Academy	8	Rice	The Invisible Force of Magnetism
1st Place	Narayana Murthy	Adhithi	Microbiology	Marshall Middle	7	Gillum	The Effect of Ayurvedic Plants on Bacterial Growth
3rd Place	Narcy	Nicholas	Engineering - Electrical and Mechanical	St. Mary's Escondido	8	Martinez	Do Right Save Light
2nd Place	Nelson	D.J.	Consumer Sciences/Product	Rhoades		Hunker	
2nd Place	Nelson	Tanner	Environmental Science and Management	Oak Grove Middle	7	Shorr	Don't Go Towards The Light
4th Place	Newton	Brianna	Environmental Science and Management	St. Didacus	8	Blickenstaff	What's in Your Water?
3rd Place	Nguyen	Jonathan	Physics and Astronomy	Wangenheim Middle	8	Madsen	How Many Coins Can Different Boat Shapes Hold
2nd Place	Nguyen	Kassidy	Consumer Sciences/Product	St. Didacus	7	Blickenstaff	What Happened to my Apple?

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3rd Place	Nguyen	Madeline	Behavioral/Social Sciences	St. Francis	7	Warren	Music, Color, and Your Mood
3rd Place	Nguyen	Sophia	Biochemistry	Good Shepherd	8	McNeil	How Many Sugars are in Your Smoothie?
3rd Place	Nicoli	Juliette	Chemistry	Stella Maris Academy	7	Klubberud	What the best materials to grow crystals?
3rd Place	Nieves	Patrick	Plant Sciences	St. Rose of Lima	7	Urbiztondo	Don't Waste That Waste
2nd Place	Noel	Karina	Physics and Astronomy	Marshall Middle	8	Gillum	Water Bottle Flip Physics
2nd Place	Nolan	Declan	Consumer Sciences/Product	St. Peter the Apostle	7	Jones	Rising Prices
2nd Place	Norell	Magnus	Physics and Astronomy	Oak Grove Middle	7	Shorr	It's Going with Heat
2nd Place	Nunes	Diego	Mathematical Sciences	Bonita Vista Middle	7	Stell	The Best Shape for Dice
2nd Place	Obispo	Zuriel	Plant Sciences	St. Michael Academy	8	Brown	Colored Light in the Production of Chlorophyll
3rd Place	Occhialini	Stella	Biochemistry	St. Didacus	7	Blickenstaff	Milk and Egg Substitutes
2nd Place	O'Keeffe	Fiona	Medicine and Health Sciences	Notre Dame Academy	7	Lopatka	What is the Perfect Ballerina Body?
2nd Place	Oliver	Eliana	Plant Sciences	Stella Maris Academy	8	Klubberud	Pesticides: Homemade vs. Commercial
2nd Place	Oliveros	Viviana	Chemistry	St. Rose of Lima	7	Urbiztondo	Ceramics are Stronger Than You Think!
2nd Place	Olson	Annie	Consumer Sciences/Product	Classical Conversations	8	Schmidtler	Follow the Bouncing Ball: A Tennis Experiment
1st Place	Omran	Elina	Consumer Sciences/Product	Islamic School of SD	7	Nasserdelen	Types of Threads

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2nd Place	Ong	Ryan	Biochemistry	Wangenheim Middle	8	Madsen	Do Numbers of Bananas Affect the Rate of Ripening?
1st Place	Orczyk	Alexandra	Animal Sciences	Rhoades	8	Hunker	Comparing Changes in Local Sea Star Populations
1st Place	Ordas	Calista	Microbiology	De Portola Middle	8	Bridges	How Dirty Are Our Phones?
2nd Place	Ordonio	Kaitlin	Environmental Science and Management	St. Joseph Academy	8	Rice	The Engineers of Ecosystems
3rd Place	Ostadan	William	Animal Sciences	St. Gregory the Great	7	Ryan	Why do Birds Suddenly Appear?
1st Place	Pabari	Raj	Engineering - Electrical and Mechanical	Coastal Academy	7	Biernacki	AquaGuard: Arduino-Powered Smart Water Sensor (Internet of Things Device)
3rd Place	Pajimola	Joshua	Microbiology	St. Didacus	7	Blickenstaff	Bleach Alternatives vs. Commercial Bleach
2nd Place	Palmer	Isabella	Behavioral/Social Sciences	Saint John School	7	Heins	What's Creepy?
2nd Place	Palmer	Lauren	Consumer Sciences/Product	Rhoades	7	Hunker	Mercury in Mascara?
1st Place	Pate	Bethani	Environmental Science and Management	Rhoades	7	Hunker	Investigating Levels of Bacteria in Sand at Oceanside Beach
3rd Place	Paul	Mia	Behavioral/Social Sciences	St. Joseph Academy	7	Hanson	Eye Hear the Sequence
4th Place	Perez	Maria	Behavioral/Social Sciences	St. Didacus	8	Blickenstaff	Taste Buds
3rd Place	Perez	Pamela	Behavioral/Social Sciences	St. Didacus	7	Blickenstaff	The Importance of Popularity
3rd Place	Persichilli	Sophia	Plant Sciences	St. Didacus	8	Blickenstaff	Best Recycled Water for Plant Growth
2nd Place	Petree	Brennan	Behavioral/Social Sciences	Wilson Jr High	7	Shiffer	A Study of Gender Response to Frustration

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3rd Place	Pham	Andrew	Environmental Science and Management	Wangenheim Middle	8	Madsen	What Vehicle(s) Can Produce the Most CO2?
2nd Place	Pham	Gabriel	Earth and Planetary Sciences	Nazareth	7	Reed	Which Dog Beach Water is Cleaner? OB or Fiesta Island?
4th Place	Pham	Leah	Engineering - Materials and Bioengineering	Good Shepherd		McNeil	
4th Place	Piatek	Angeline	Medicine and Health Sciences	St. Didacus	7	Blickenstaff	Blood Thinning
1st Place	Pierce	Theodore	Engineering - Materials and Bioengineering	Nazareth	7	Reed	Carbon Composite or Steel: Which Resists Strain Better?
2nd Place	Pingol	Anna	Chemistry	St. Rita's	8	Rice	Do Shape and pH Affect the Melting Rate of Ice?
1st Place	Polanco	Calista	Consumer Sciences/Product	St. Rose of Lima	8	Urbiztondo	Intake Mistake
3rd Place	Pregardier	Sophia	Environmental Science and Management	St. Mary Star of Sea	8	Englund	Lawn irrigation with grey water
3rd Place	Prentice	Ethan	Engineering - Materials and Bioengineering	Nazareth	7	Reed	Do City Codes Provide Fire Safety As Prescribed
2nd Place	Prentice	Mitchell	Engineering - Electrical and Mechanical	Nazareth	7	Reed	Higher is Brighter
1st Place	Preston	Shaun	Engineering - Energy and Transport	Escondido Christian School	7	DeLucia	Riding On Air, The Hovercraft
1st Place	Rachlin	Abraham	Engineering - Materials and Bioengineering	St. Rose of Lima	8	Urbiztondo	Lims of the Future: 3D Printed Legs
4th Place	Radovanovic	Alexa	Engineering - Materials and Bioengineering	St. Mary Star of Sea	7	Englund	Water Filtration
2nd Place	Ramirez	Ana	Medicine and Health Sciences	St. John of the Cross	8	Krumm	Distinguishing Organic Foods
4th Place	Ramirez	Lucia	Plant Sciences	Sacred Heart (Coronado)	8	Marlene	Does Nitrogen Help Plants Grow More Than Supplemental Carbon Dioxide?

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3rd Place	Rasheed	Lamia	Chemistry	Corfman/McCabe School	7	Gibson	Rocketology
2nd Place	Reed	Sara - Marie	Physics and Astronomy	Marshall Middle	8	Gillum	The Physics and Acoustics of Softball
1st Place	Reilly	Lauren	Engineering - Electrical and Mechanical	St. Rose of Lima	8	Urbiztondo	On Course: A New Device for Backstroke Efficiency
2nd Place	Renas	Caroline	Medicine and Health Sciences	Grant Middle School	7	Tyson	Breathe In, Breathe Out: The Effects of Meditation on Wind Musicians
3rd Place	Renda	Wesley	Consumer Sciences/Product	St. Didacus	8	Blickenstaff	Which Golf Ball Goes the Farthest?
3rd Place	Reyes	Dominika	Engineering - Electrical and Mechanical	Wilson Jr Hi	7	Shiffer	Photovoltaic Module Circuit Connection Parallel and Series Arrangement
2nd Place	Reynolds	Madeline	Biochemistry	St. Mary Star of Sea	7	Englund	How Temperature Affects Enzymes
3rd Place	Rhee	Lucas	Engineering - Electrical and Mechanical	St. Didacus	7	Blickenstaff	Battery Life
3rd Place	Rhodes	Rebecca	Environmental Science and Management	Santa Fe Christian	7	Culley	Oh! Zone
2nd Place	Rieger	Alan	Animal Sciences	St. Michael's School - Poway	7	Poling	Flakes vs Pellets Affect On pH, Nitrite, and Nitrate
3rd Place	Riel	Jacqueline	Biochemistry	Good Shepherd	7	McNeil	Smelling Colors
3rd Place	Riodique	Angelo	Biochemistry	St. Michael Academy	7	Brown	The Effect Of Enzymes Added To Laundry Detergents
3rd Place	Rios	Michaela	Animal Sciences	St. Michael's School - Poway	7	Poling	Can Horses Understand Us?
1st Place	Ritchie	Avalon	Behavioral/Social Sciences	St. Didacus	8	Blickenstaff	Simon Says Dance
2nd Place	Roberts	Sarah	Microbiology	Wangenheim Middle	8	Madsen	Can Applying Different Temperatures to Strawberries Prevent Mold Growth?

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2nd Place	Roberts	Sofia	Animal Sciences	All Hallows	7	Lambert	Chicken Egg Production: Artificial Light Compared to Natural Light
3rd Place	Rocha	Diego	Behavioral/Social Sciences	Our Lady of Guadalupe	8	Chew-Pina	How Fast Can People Read With Accuracy?
1st Place	Rodgers	Mason	Plant Sciences	Corfman/McCabe School	7	Gibson	Effect of different forces of Water on the Growth Rate of Wheat
3rd Place	Roelofs	Garrett	Physics and Astronomy	De Portola	8	Bridges	The Amazing Sound Proof Box of Science
3rd Place	Romo	Damian	Engineering - Energy and Transport	Castle Park Middle	7	Dillon	Solar Powered Farming Vehicle
4th Place	Rosas	Antonio	Medicine and Health Sciences	National City Middle		Smith	Miracle Tone Usage
1st Place	Roscoe	Logan	Microbiology	De Portola Middle	8	Bridges	Handy Bacteria
4th Place	Rosenberg	Tzivya	Animal Sciences	Soille S.D.Hebrew Day	8	Bessler	Sound and Scent
4th Place	Sadr	Nika	Engineering - Materials and Bioengineering	The Children's School	8	Brown	Mic Tape Magic the Solution to All Your Mic Tape Problems
3rd Place	Saenz	Brandon	Computer Science	St. Rose of Lima	7	Urbiztondo	Broomba
1st Place	Salah	Nadia	Behavioral/Social Sciences	Islamic School of SD	7	Alkhawaja	Who Judges Me More - My Gender or the Opposite?
3rd Place	Salzar	Thomas	Biochemistry	Saint John School	7	Heins	Soda Corrosiveness Towards Teeth
3rd Place	Sanchez	Nina	Medicine and Health Sciences	Santa Fe Christian		Culley	How Does Stress Affect The Body?
1st Place	Sayd	Safiya	Behavioral/Social Sciences	National University	7	Dillard	Heart Health: How Does Heart Rate Change with Exercise?
3rd Place	Scelfo	Victoria	Behavioral/Social Sciences	St. Gregory the Great	7	Ryan	Memory and Activity

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1st Place	Schneider	Collin	Environmental Science and Management	Rhoades	7	Hunker	Investigating Bacteria Levels in La Jolla Cove Recreational Waters
2nd Place	Schneider	Kathryn	Physics and Astronomy	St. Michael's Schl - Poway	7	Poling	Water Rockets: Changing A Future of Spacecraft Models
1st Place	Schwarz	Trevor	Plant Sciences	Oak Grove Middle	7	Shorr	Grow with the Flow
1st Place	Scurry	Blake	Engineering - Energy and Transport	Marshall Middle	7	Gillum	The Need for Speed: Optimum Angle of Attacks for Airfoil
3rd Place	Segev	Tomer	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	Who's Afraid of Spiders?
3rd Place	Shaw	Leya	Plant Sciences	S. D. Jewish Academy	8	Deveau	Comparison of growth of grass plugs (<i>Stenotaphrum secundatum</i>) grown under either
4th Place	Sherwood	Miranda	Physics and Astronomy	St. Mary Star of Sea	8	Englund	Does the Strength of a Magnet Vary with Temperature
1st Place	Shi	Emily	Environmental Science and Management	The Cambridge School	8	Gingrich	Microscopic Study of Torrey Pine Needles for Moisture Condensation
3rd Place	Shiffer	Nathaniel	Biochemistry	Wilson Jr High	7	Shiffer	Got Volt?
2nd Place	Shim	Jun	Engineering - Materials and Bioengineering	Notre Dame Academy	8	Lopatka	The Effect of Strategic Cleat Placement on Athletic Hose and Its Ability to reduce ACL injury
2nd Place	Shim	Kyubo	Chemistry	St. Didacus	7	Blickenstaff	Different Rates of Dissolution
2nd Place	Shimabukuro	Benjamin	Engineering - Energy and Transport	Mt. Everest Academy	8	Negus	How Quickly Will Different Liquids Freeze?
1st Place	Siddiqah	Fatimah	Consumer Sciences/Product	Islamic School of SD	8	Naserleddin	Spray and Weigh that Acid Rain
1st Place	Silberstein	Maya	Behavioral/Social Sciences	S. D. Jewish Academy	8	Deveau	Middle Schoolers On Morality
3rd Place	Silva	Sofia	Behavioral/Social Sciences	Stella Maris Academy	7	Klubberud	Can Smell Enhance Memory?

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2nd Place	Silvester	Olivia	Behavioral/Social Sciences	Rhoades	7	Hunker	Investigating the Influence of Positive Mood on Recall
3rd Place	Simble	Michaela	Behavioral/Social Sciences	S. D. Jewish Academy		Deveau	
3rd Place	Simi	Paola	Medicine and Health Sciences	St. Michael's Sch - Poway	7	McHale	To a Sunscreen or Not to Sunscreen: That is the Question
3rd Place	Singer	Max	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	Tasty Colors
1st Place	Singer	Ryan	Engineering - Electrical and Mechanical	Mt. Helix Academy	8	Cohen	3D Printing: Strength of ABS vs. PLA
1st Place	Smith	Akayah	Earth and Planetary Sciences	City Tree Christian	7	Lucas	Water vs Land
3rd Place	Soberon	Monica	Environmental Science and Management	Sacred Heart (Coronado)	7	Barlett	Is Bottled Water Worth the Environmental Cost?
1st Place	Soliman	Ziyad	Computer Science	Islamic School of SD	7	Nassereddin	Train that Brain
2nd Place	Soltero	Francisco	Consumer Sciences/Product	All Hallows	7	Lambert	What's Blocking Wi-Fi
3rd Place	Soriano	Rachelle	Engineering - Materials and Bioengineering	Wangenheim Middle	8	Madsen	What Materials Work Best for Blocking Sound?
1st Place	Sosa	Mauricio	Microbiology	Harriet Tubman Village Charter	7	Sharif	Can Microorganisams Convert Carbon into Oxygen
3rd Place	Stehly	Emma	Microbiology	St. Joseph Academy	8	Rice	What is the Best Toothbrush Disinfectant
3rd Place	Stephenson	Orion	Environmental Science and Management	Bonita Vista Middle	7	Shimasaki	The Effect of Different Soaps on the Growth of Plants
2nd Place	Subramaniam	Skandhaa	Medicine and Health Sciences	Mesa Verde Middle	7	Bird	Factors Associated with Childhood and Adolescent Obesity
3rd Place	Sun	Cheng Chen	Engineering - Electrical and Mechanical	Children's Creative and	8	Chai	Solar Cell

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1st Place	Sun	Raymond	Engineering - Materials and Bioengineering	Wangenheim Middle	8	Madsen	Does the Thickness of the Viscoelastic Layer Affect Constrained-Layer Damping
3rd Place	Tabalon	Jasmine	Behavioral/Social Sciences	Bonita Vista Middle		Shimasaki	
2nd Place	Taitano	Dylan	Behavioral/Social Sciences	St. Peter the Apostle	8	Jones	Eye Witness Testimony: Does the Gender Affect the Accuracy of an Eyewitness?
2nd Place	Telfer	Caryn	Behavioral/Social Sciences	Rhoades	7	Hunker	Can Photographs Enhance Recall of Unrelated Written Information?
1st Place	Telfer	Corey	Environmental Science and Management	Rhoades	8	Hunker	Investigating Water Quality at Cardiff Beach
1st Place	Temprendola	Teresa	Physics and Astronomy	St. Columba	7	Lunn	Should I Put a Lid on It?
4th Place	Teran Martija	Ana Victoria	Chemistry	St. Didacus	7	Blickenstaff	How Does Static Electricity Affect Hair?
3rd Place	Territo	Giovanna	Medicine and Health Sciences	St. Michael's Sch - Poway	7	McHale	Science vs. Nature
2nd Place	Thange	Hamza	Engineering - Electrical and Mechanical	Islamic School of SD	8	Alkhawaja	Making Solar Panels More Efficient
2nd Place	Titcomb	Jake	Engineering - Materials and Bioengineering	Saint John School	8	Heins	The Sound of Silence
2nd Place	Toledo	Isabelle-Lizbeth	Environmental Science and Management	Chula Vista Middle	8	Saclauso Caro	The Effect of Clothes Dryer Temperature on Material Shrinkage
1st Place	Toscano	Nicholas	Plant Sciences	St. Didacus	7	Blickenstaff	Acid Rain and Aquatic Plants
3rd Place	Toumi	Ayoub	Engineering - Materials and Bioengineering	Islamic School of SD	8	Naser	Roof Materials Vs. Temperature
3rd Place	Towne	Bella	Medicine and Health Sciences	Saint John School	7	Heins	Is Sunscreen a Scam or Does It Actually Protect Skin from UV Light?
2nd Place	Toy	Ryan	Engineering - Energy and Transport	St. Michaels School SD	7	McHale	Stealthy Shapes

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3rd Place	Tracy	Cole	Animal Sciences	Mt. Helix Academy	8	Cohen	Does Magnetism Affect Planarian Regeneration?
1st Place	Tran	Kathy	Chemistry	Wangenheim Middle	8	Madsen	What Type of Insulating Material Keeps Ice From Melting Best?
1st Place	Tran	Valerie	Earth and Planetary Sciences	Wangenheim Middle	8	Madsen	How Does pH of Acidified Seawater Affect the Mass of Clam Shells?
3rd Place	Truong	Jasmine	Engineering - Energy and Transport	Wangenheim Middle	8	Madsen	Do Blade Angle and Shape on a Wind Turbine Affect Energy Generation?
3rd Place	Tyson	Faith	Behavioral/Social Sciences	All Hallows	7	Lambert	Look, Listen & Learn?
1st Place	Usman	Yusuf	Physics and Astronomy	Islamic School of SD	8	Nasereldin	How To: Breaking The Fire Barrier
1st Place	Usmani	Syed	Behavioral/Social Sciences	Islamic School of SD	8	Alkhawaja	The Effect of Stereotype Threat on Middle School Students
4th Place	Valenzuela	Daniel	Behavioral/Social Sciences	St. Joseph Academy	7	Hanson	Sports Psychology
2nd Place	Vargas	Audrey	Environmental Science and Management	National City Middle	8	Smith	Wind Power
2nd Place	Vaughn	Emilia	Animal Sciences	Rhoades	7	Hunker	Canine Reaction To Symbolic Human Faces
1st Place	Velarde	Sofia	Engineering - Energy and Transport	St. Gregory the Great	7	Ryan	Which 3-D Wheel could operate most efficiently on Mars?
1st Place	Ventrapragada	Vaishnavi	Medicine and Health Sciences	Marshall Middle	8	Gillum	Ethnicity Based Hypertension in Children
1st Place	Vijayakumar	Vivek	Physics and Astronomy	San Elijo Middle	8	Phillips	A Comparison of the Properties of Planetary Nebulae
2nd Place	Viruete	Rachel	Environmental Science and Management	St. Rose of Lima	7	Urbiztondo	Comparing Plant Growth: Check Out This Dirt!
2nd Place	Vitug	Gabriel	Medicine and Health Sciences	St. Columba	7	Lunn	The Tooth Hurts

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3rd Place	Vizcaino	Victoria	Plant Sciences	Sacred Heart (Coronado)	8	Twomey	Garbage Plants
1st Place	Wahamaki	Noah	Chemistry	Chula Vista Middle	8	Fee	Does pH Affect How Fast Ice Melts?
2nd Place	Walker	Emily	Microbiology	Nazareth	7	Reed	How does varying light exposure effect the bioluminescence of dinoflagellates
3rd Place	Walls	Samuel	Plant Sciences	City Tree Christian	7	Lucas	I Wet My Plants
2nd Place	Walrath	James	Chemistry	Nazareth	7	Reed	Composting...Which Type of Container is Best?
1st Place	Walsh	Dakota	Chemistry	St. Mary Star of Sea	8	Englund	Stains? No Problem!
4th Place	Wang	Ingrid	Engineering - Materials and Bioengineering	De Portola Middle	8	Bridges	Can Fruit Batteries Be a New Source of Energy
3rd Place	Ward	Aisling	Animal Sciences	St. Didacus	7	Blickenstaff	Chicken Serenade
4th Place	Ward	Grace	Behavioral/Social Sciences	The Childrens School	8	Brown	Has Computer Typing Changed Standards for Spelling?
2nd Place	Warner	Garrett	Physics and Astronomy	Rhoades	7	Hunker	Enhancing Wi-Fi Performance: Router Location vs. Extenders
3rd Place	Watters	Liam	Physics and Astronomy	Grant Middle Schoo	8	Baldwin	Old versus new: which baseball bat vibrates more?
1st Place	Watts	Maggie	Plant Sciences	Rhoades	7	Hunker	Comparing Impacts of Different Hydroponic Methods on Plant Growth
3rd Place	Wechsler	Harrison	Behavioral/Social Sciences	Soille S.D.Hebrew Day	8	Bessler	May I Have Your Attention Please?
4th Place	Weckmann	Xavier	Consumer Sciences/Product	Wangenheim Middle	8	Madsen	Which Brand of Baseball Bat Has the Largest Sweet Spot?
1st Place	Wesseln	Kyle	Engineering - Energy and Transport	Notre Dame Academy	8	Lopatka	Blade Design and Its Effect on Wind Turbine Production

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1st Place	West	Xavier	Medicine and Health Sciences	Harriet Tubman Village Charter		Sharif	
1st Place	Weston	Scott	Environmental Science and Management	Rhoades	7	Hunker	Effects of Food Sources on Nutrient Levels of Vermicompost
2nd Place	Wieczorek	Brianne	Medicine and Health Sciences	Stella Maris Academy	7	Moreau	What is the Most Effective Sunscreen?
2nd Place	Wilborn	Anna	Behavioral/Social Sciences	De Portola Middle	8	Bridges	The Effects of Social Media on Emotional Intelligence
1st Place	Wiley	Kaylie	Microbiology	Rhoades	7	Hunker	Antimicrobial Properties of Essential Oils
2nd Place	Wilson	Halle	Behavioral/Social Sciences	St. Didacus	8	Blickenstaff	Good Lux Reading
2nd Place	Winter	Katherine	Microbiology	Chula Vista Middle	8	Fee	Lime Juice: A Comparison of Sanitizing Solutions
2nd Place	Wyborney	Kyle	Physics and Astronomy	St. Didacus	8	Blickenstaff	Play Ball!
2nd Place	Yamamoto-Hill	Katie	Plant Sciences	St. Pius X	7	Doyle	Sunflowers Without a Sun
3rd Place	Young	Ryan	Chemistry	Mt. Helix Academy	8	Cohen	Does Fabric Softener Affect the Rate that Fabric Burns at?
2nd Place	Zakar	Ashton	Engineering - Energy and Transport	Notre Dame Academy	7	Lopatka	The Placement of a Micro-Turbine and Its Ability to Generate Power
1st Place	Zdanowski	Caroline	Animal Sciences	Rhoades	8	Hunker	Examining Botanical Composition of Coastal California Gnatcatcher Habitats at Local Lagoons
1st Place	Zhang	Charlotte	Medicine and Health Sciences	Carmel Valley Middle	8	McCabe	
4th Place			Animal Sciences				

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3rd Place			Chemistry				
1st Place			Consumer Sciences/Product				
3rd Place			Engineering - Energy and Transport				

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