

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| Place   | Project Title                   | Grade  | School                                | Teacher/Advisor  |
|---|---------------------------------|--------|---------------------------------------|------------------|
| <b>JUNIOR DIVISION ANIMAL SCIENCES</b>                  |                                 |        |                                       |                  |
| 1st   | Mele Barton                     | 8      | The Rhoades School                    | R. Hunker        |
| 1st   | Preston Bove<br>Carlie Burns    | 7<br>7 | St. John School - Encinitas           | G. Heins         |
| 2nd   | Karissa Carlson                 | 8      | St. Didacus Parish School             | R. Blickenstaff  |
| 2nd   | Emiko Hina<br>Angelina Staines  | 8      | St. Rita's Catholic School            | A. Rice          |
| 2nd   | Daneyia Hudgins                 | 8      | Farb Middle School                    | P. Huntington    |
| 2nd   | Ria Rizo                        | 8      | Mt. Everest Academy                   | N. Negus         |
| 3rd   | Aidan Cook                      | 8      | St. Didacus Parish School             | R. Blickenstaff  |
| 3rd   | Cassara Cummins                 | 8      | St. Didacus Parish School             | R. Blickenstaff  |
| 3rd   | Sophie Lawler- Ehr              | 7      | St. Peter the Apostle Catholic School | T. Fantano       |
| 3rd   | Jessica Nunez Vazquez           | 8      | Farb Middle School                    | P. Huntington    |
| 3rd   | Robbie Patterson                | 7      | St. Didacus Parish School             | R. Blickenstaff  |
| 3rd   | Emmanuel Penalosa               | 7      | St. Michael Academy San Diego         | M. Escalante     |
| 3rd   | Kaia Prince                     | 8      | St. Didacus Parish School             | R. Blickenstaff  |
| 3rd   | Cianna Quintero                 | 8      | Chula Vista Middle School             | G. Saclauso-Caro |
| 4th   | Emmanuel Hernandez              | 8      | Our Lady of Mount Carmel              | J. Pereyra, SJS  |
| <b>JUNIOR DIVISION BEHAVIORAL &amp; SOCIAL SCIENCES</b> |                                 |        |                                       |                  |
| 1st   | Gabriela Alfaro                 | 7      | Nazareth School                       | M. Reed          |
| 1st   | Zara Bannister                  | 8      | The Rhoades School                    | R. Hunker        |
| 1st   | Maya Bateman                    | 8      | The Children's School                 | T. Brown         |
| 1st   | Taylor Belanich<br>Grace Howard | 7<br>7 | The Rhoades School                    | R. Hunker        |

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| <b>Place</b> | <b>Project Title</b>              | <b>Grade</b> | <b>School</b>                      | <b>Teacher/Advisor</b> |
|--------------|-----------------------------------|--------------|------------------------------------|------------------------|
| <b>1st</b>   | Leila Elasaad                     | 8            | The Rhoades School                 | R. Hunker              |
| <b>1st</b>   | Sophia Frank                      | 7            | St. John School - Encinitas        | G. Heins               |
| <b>1st</b>   | Karis Goodwin                     | 8            | St. John School - Encinitas        | G. Heins               |
| <b>1st</b>   | Safwa Khan                        | 8            | Bright Horizon Academy             | N. Naserelddin         |
| <b>1st</b>   | Lauren Levi                       | 8            | Soille San Diego Hebrew Day School | M. Bessler             |
| <b>1st</b>   | Lily Masi                         | 7            | The Rhoades School                 | R. Hunker              |
| <b>1st</b>   | Zelma Maya                        | 8            | Soille San Diego Hebrew Day School | M. Bessler             |
| <b>1st</b>   | Shane Montal                      | 7            | The Children's School              | D. Quincannon          |
| <b>1st</b>   | Denisse Podolsky                  | 8            | Soille San Diego Hebrew Day School | M. Bessler             |
| <b>1st</b>   | Adriana Quezada                   | 8            | St. John School - Encinitas        | G. Heins               |
| <b>1st</b>   | Patrick Rooney                    | 8            | The Children's School              | T. Brown               |
| <b>1st</b>   | Sammy Ross                        | 8            | San Diego Jewish Academy           | L. Deveau              |
| <b>1st</b>   | Leia Ryan                         | 8            | The Rhoades School                 | R. Hunker              |
| <b>1st</b>   | Ellie Sipper                      | 7            | Nazareth School                    | M. Reed                |
| <b>1st</b>   | Agastya Sridharan                 | 8            | Thurgood Marshall Middle School    | E. Schumacher          |
| <b>1st</b>   | Evelyn Sugapong                   | 7            | Bonita Vista Middle School         | C. Cardenas            |
| <b>1st</b>   | Jamie Jane Weston<br>Mehar Thaper | 8<br>8       | The Rhoades School                 | R. Hunker              |
| <b>2nd</b>   | Jorielle Nyla Bettinger           | 8            | St. Michael Academy San Diego      | M. Escalante           |
| <b>2nd</b>   | Abigail Shaull<br>Noa Burrows     | 8<br>8       | The Rhoades School                 | R. Hunker              |
| <b>2nd</b>   | Cooper Chapman                    | 7            | The Children's School              | D. Quincannon          |

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|--------------|------------------------------------|--------------|---------------------------------------|------------------------|
| <b>2nd</b>   | Payslie Childress                  | 8            | Carlton Hills Middle School           | K. Ducharme            |
| <b>2nd</b>   | Mikayla Crowe                      | 8            | The Children's School                 | T. Brown               |
| <b>2nd</b>   | Jeremy De Las Alas                 | 8            | St. Michael Academy San Diego         | M. Escalante           |
| <b>2nd</b>   | Vivian Doan                        | 8            | Farb Middle School                    | P. Huntington          |
| <b>2nd</b>   | Mariam Eldegwy                     | 7            | Bright Horizon Academy                | N. Naserleddin         |
| <b>2nd</b>   | Michelle Goldwasser                | 8            | San Diego Jewish Academy              | L. Deveau              |
| <b>2nd</b>   | James Gonzalez                     | 8            | St. John of the Cross Catholic School | G. Krumm               |
| <b>2nd</b>   | Marc Jinich                        | 8            | San Diego Jewish Academy              | L. Deveau              |
| <b>2nd</b>   | Alana Kelly                        | 8            | The Children's School                 | T. Brown               |
| <b>2nd</b>   | Christopher Lindgren               | 7            | St. Didacus Parish School             | R. Blickenstaff        |
| <b>2nd</b>   | Ashley Montiel                     | 8            | St. Michael Academy San Diego         | M. Escalante           |
| <b>2nd</b>   | Jenan Muzaini<br>Arisa Usmani      | 7<br>8       | Bright Horizon Academy                | N. Naserleddin         |
| <b>2nd</b>   | Wesley Nesbitt                     | 8            | The Rhoades School                    | R. Hunker              |
| <b>2nd</b>   | Annabella Nguyen<br>Isabel Sanchez | 8<br>8       | Farb Middle School                    | P. Huntington          |
| <b>2nd</b>   | Luke Palmer<br>Trey Telfer         | 8<br>8       | The Rhoades School                    | R. Hunker              |
| <b>2nd</b>   | Maya Pastuszko                     | 8            | The Children's School                 | D. Quincannon          |
| <b>2nd</b>   | Sonali Pathria                     | 8            | The Children's School                 | T. Brown               |
| <b>2nd</b>   | Qudsia Qarar                       | 7            | Bright Horizon Academy                | N. Naserleddin         |
| <b>2nd</b>   | Aairah Usmani                      | 7            | Bright Horizon Academy                | N. Naserleddin         |
| <b>2nd</b>   | Nicole Vosburgh                    | 8            | St. John School - Encinitas           | G. Heins               |

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| <b>Place</b> | <b>Project Title</b>                 | <b>Grade</b>  | <b>School</b>                           | <b>Teacher/Advisor</b> |
|--------------|--------------------------------------|---|---|------------------------|
| <b>2nd</b>   | Henry Wilson                         | The Most Eye Catching Color   | 8 St. Didacus Parish School             | R. Blickenstaff        |
| <b>2nd</b>   | Calvin Yaruss                        | Which Facial Expression Can Be Most Easily Be Detected and Why?             | 8 The Children's School                 | T. Brown               |
| <b>3rd</b>   | Piper Baes                           | Personal Personality  | 8 St. Peter the Apostle Catholic School | T. Fantano             |
| <b>3rd</b>   | Sabrina Calderon<br>Shaelan Myhra    | InCreativity  | 7 St. Michael's School - Poway<br>7     | J. Poling              |
| <b>3rd</b>   | Griffin Cappiello                    | Effects of Positive Vocalizations On Athletic Performance                   | 8 The Rhoades School                    | R. Hunker              |
| <b>3rd</b>   | George Carr                          | Does Where You Sit Affect Your Test Scores?                                 | 8 The Children's School                 | T. Brown               |
| <b>3rd</b>   | Olivia Degodoy                       | Gamers vs Non-gamers Reaction Times   | 7 Bonita Vista Middle School            | C. Shimasaki           |
| <b>3rd</b>   | Gerrel Dela Cruz                     | Autism's Bizarre Adventure  | 8 Farb Middle School                    | P. Huntington          |
| <b>3rd</b>   | Rebecca Dolin                        | Perception: Positive or Negative Space                                      | 8 Carlton Hills Middle School           | K. Ducharme            |
| <b>3rd</b>   | Andrea Galicot                       | Which Ages Have Better Teamwork   | 8 San Diego Jewish Academy              | L. Deveau              |
| <b>3rd</b>   | Ian Housden                          | The Effect of Sound on Heart Rate   | 8 The Children's School                 | T. Brown               |
| <b>3rd</b>   | Mayela Lopez                         | Accuracy of Eyewitness Testimony  | 8 St. Didacus Parish School             | R. Blickenstaff        |
| <b>3rd</b>   | Ava Maudal                           | Aptitude on Attitude  | 8 St. John School - Encinitas           | G. Heins               |
| <b>3rd</b>   | Kelsie McNamara                      | Social Media  | 7 St. John School - Encinitas           | G. Heins               |
| <b>3rd</b>   | Paul Montal                          | Does The Type of Group You Work with Affect Math Test Scores?               | 8 The Children's School                 | T. Brown               |
| <b>3rd</b>   | Grace Mulvey                         | Real or Fake Smile  | 7 St. Didacus Parish School             | R. Blickenstaff        |
| <b>3rd</b>   | John Pascual                         | Music as aTool  | 8 St. Michael Academy San Diego         | M. Escalante           |
| <b>3rd</b>   | Emma Persichilli                     | How Colored Packaging Affects Children's Food Choices                       | 8 St. Didacus Parish School             | R. Blickenstaff        |
| <b>3rd</b>   | Matthew Savage<br>Sean Savage        | The Stroop Effect   | 8 St. Didacus Parish School<br>8        | R. Blickenstaff        |
| <b>3rd</b>   | Wegahta Tadesse                      | Reaction Time and Ages  | 8 St. Didacus Parish School             | R. Blickenstaff        |
| <b>4th</b>   | Tea Ballew<br>Isabella Joyce Mercado | What Causes Us to Take Longer When Making a Decision at a Concession Stand? | 7 St. Michael's School - Poway<br>7     | J. Poling              |

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|-------|----------------------|---|-------|-----------------------------|-----------------|
| 4th   | Isabel Jones         | Random Numbers  | 8     | St. Didacus Parish School   | R. Blickenstaff |
| 4th   | Jemma Jones          | Text Color and Readability                                    | 7     | St. Didacus Parish School   | R. Blickenstaff |
| 4th   | Sara Mattsson        | Color for Memory  | 8     | Carlton Hills Middle School | K. Ducharme     |
| 4th   | Jaden Ocampo         | What is the Effect of Net or No Net on Free Throw Percentage? | 8     | Wangenheim Middle School    | T. Mendibles    |
| 4th   | Frank Ray Occhialini | Effectiveness of Lie Detector Tests                           | 7     | St. Didacus Parish School   | R. Blickenstaff |
| 4th   | Elias O'Hollaren     | The Effect of Video Games on Heart Rate                       | 7     | St. Didacus Parish School   | R. Blickenstaff |
| 4th   | Asha Postins         | Do We Base Who We Trust on Clothing                           | 8     | The Children's School       | D. Quincannon   |

**JUNIOR DIVISION**

**BIOCHEMISTRY**

|     |                       |  |   |                              |                  |
|-----|-----------------------|--|---|------------------------------|------------------|
| 1st | Hafsah Kazi           | Turmeric: The Effect on Metals in Healthy Cells                                | 7 | Bright Horizon Academy       | N. Nasereldin    |
| 2nd | Kai Do                | How Does L-ascorbic Acid Affect the Ph Levels of Tilapia Skin                  | 8 | Wangenheim Middle School     | M. Silva         |
| 2nd | Samantha Gail Tawatao | Does the Amount of Detergent Affect the Amount of DNA Extracted from a Banana? | 8 | Wangenheim Middle School     | T. Mendibles     |
| 2nd | Vincent Venverloh     | Does Amount of Water Within a Substance Effect Energy Obtainable               | 8 | The Children's School        | T. Brown         |
| 3rd | Jaren Kishimoto       | Electricity in Fruits and Vegetables   | 7 | St. Michael's School - Poway | J. Poling        |
| 3rd | Isabella Matias       | Which Apple Will Win?  | 7 | Bonita Vista Middle School   | C. Shimasaki     |
| 3rd | Kevin Vogel           | Effect of Plastic Source on the Rate of Biodegradability                       | 8 | Chula Vista Middle School    | G. Saclauso Caro |
| 4th | Elenore Cannon        | Organic vs Non-Organic Bananas Investigation                                   | 8 | Chula Vista Middle School    | G. Saclauso-Caro |
| 4th | Naija Coles           | Looking Deeper Into the Results of Gel Electrophoresis                         | 8 | Wangenheim Middle School     | T. Mendibles     |
| 4th | Lisa Echoku           | How Would the Fat in Milk Affect It Spoiling?                                  | 8 | Chula Vista Middle School    | T. Tom           |

**JUNIOR DIVISION**

**CHEMISTRY**

|     |                 |  |   |                           |         |
|-----|-----------------|--|---|---------------------------|---------|
| 1st | Jenevie Bella   | What Fabric is Most Absorbent of Water | 8 | Chula Vista Middle School | T. Tom  |
| 1st | Samuel Figueroa | Instant Drinks                         | 7 | Corfman School            | I. Leon |

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|--------------|----------------------|---|--------------------------------------|------------------------|
| <b>1st</b>   | Alexis Green         | Types of Paint and Temperature vs Drying Time   | 7 St. Michael Academy San Diego      | M. Escalante           |
| <b>1st</b>   | Jasmine Killion      | Does Soda Ash Make Tie Dye Brighter?  | 8 Mt. Helix Academy                  | J. Hudson              |
| <b>1st</b>   | Racel Ligeralde      | More Than Just A Drink: Fuel Power At Peak  | 8 Good Shepherd Catholic School      | Mary A. McNeil         |
| <b>1st</b>   | Maya Zagursky        | What Recipe for Bath Bombs Makes the Fizziest Bath Bomb?  | 8 San Diego Jewish Academy           | L. Deveau              |
| <b>2nd</b>   | Harris Azhand        | How Does the Type of Carbon Affect the Clarity of Filtered Colored Water?                                       | 8 Wangenheim Middle School           | T. Mendibles           |
| <b>2nd</b>   | Christina Cornejo    | Separating Hydrogen and Oxygen from Water   | 8 St. Rita's Catholic School         | A. Rice                |
| <b>2nd</b>   | Sam Fries            | Water and Nitrates  | 8 St. Didacus Parish School          | R. Blickenstaff        |
| <b>2nd</b>   | Mila Gruber          | Which Natural Ingredient Can Make Homemade Litmus Paper Work as Well as Store-bought Litmus Paper?              | 6 St. Mary Star of the Sea School    | J. Alonso              |
| <b>2nd</b>   | Lorelei Jackson      | Vitmain C Levels at Different Ripening Stages of a Bell Peper   | 8 St. Mary Star of the Sea School    | J. Alonso              |
| <b>2nd</b>   | Eliyahu Lapp         | Get Your Oils Ready   | 8 Soille San Diego Hebrew Day School | M. Bessler             |
| <b>2nd</b>   | Catherine Singer     | What Wrapping Material Preserves Apples the Best: Ziploc Bags, Reynolds Wrap, or Glad Cling Wrap?               | 8 Mt. Helix Academy                  | J. Hudson              |
| <b>2nd</b>   | Yi Sun               | Do Different Salt Types, Kosher, Sea Salt, and Pink Salt Have the Same Effect on the Time It Takes Ice to Melt? | 8 Wangenheim Middle School           | T. Mendibles           |
| <b>2nd</b>   | Jocelyn Sweeney      | Does Copper Ionization Work Better than Chemicals in Killing Algae?   | 7 Nazareth School                    | M. Reed                |
| <b>3rd</b>   | Lukky De Guzman      | Preventing Condensation on Eyeglasses   | 8 Chula Vista Middle School          | T. Tom                 |
| <b>3rd</b>   | Nathan Do            | Acid Attack   | 8 Farb Middle School                 | P. Huntington          |
| <b>3rd</b>   | Victoria Dyakova     | Glycerin and Soap Bubbles   | 8 Wangenheim Middle School           | T. Mendibles           |
| <b>3rd</b>   | Annalee Haim         | Holy Crap!  | 8 Soille San Diego Hebrew Day School | M. Bessler             |
| <b>3rd</b>   | Eitan Maman          | Is Your H2O the Way to Go   | 8 San Diego Jewish Academy           | L. Deveau              |
| <b>3rd</b>   | Evangeline Mayne     | Slime Stretchiness  | 8 The Cambridge School High School   | M. Mayne               |
| <b>3rd</b>   | Daniela Szajkowski   | Marshmallow Density   | 8 St. Mary Star of the Sea School    | J. Alonso              |

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|-------|--------------------|--|------------------------------|-----------------|
| 4th   | Jonathan Flietstra | The Effect of Length of Cloth with Naphtha Lighter Fluid on Flame Duration | 8 City Tree Christian School | M. Lee          |

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|------------------------|-------------------------|
| <b>JUNIOR DIVISION</b> | <b>COMPUTER SCIENCE</b> |
|------------------------|-------------------------|

|     |                                 |  |        |                                       |             |
|-----|---------------------------------|--|--------|---------------------------------------|-------------|
| 1st | Arjun Chatha<br>David Samy      | Fall Detection: Using Artificial Intelligence to Help the Elderly                  | 8<br>8 | The Rhoades School                    | R. Hunker   |
| 1st | Kai Goodsell                    | Forecasting Stock Market Values Using Machine Learning                             | 8      | The Rhoades School                    | R. Hunker   |
| 1st | Andrew Martinez                 | What Materials Can Reduce A WiFi Signal  | 6      | St. Mary Star of the Sea School       | J. Alonso   |
| 1st | Rahul Rao<br>Rikhil Rao         | AI-Based Obstacle Detection and Notification for the Visually Impaired             | 8<br>8 | Pacific Trails Middle School          | S. Thacker  |
| 1st | Aleister Steadman               | Using a Neural Network to Determine Emotion in Music                               | 8      | Wangenheim Middle School              | M. Silva    |
| 2nd | Ashton Anderson                 | Using Machine Learning to Detect and Identify Food Products for the Sight Impaired | 8      | Correia Middle School                 | J. Flosky   |
| 2nd | Emilio Gandara                  | Coding a Game  | 8      | St. John of the Cross Catholic School | G. Krumm    |
| 2nd | Oscar Plasencia                 | N-Gram Fitness!  | 7      | Nazareth School                       | M. Reed     |
| 3rd | Logan Benintend<br>Koe Goodsell | Generating Color Through Coding an Infinity Mirror                                 | 7<br>7 | The Rhoades School                    | R. Hunker   |
| 3rd | Liora Berg                      | Look Away: Vision App  | 8      | Soille San Diego Hebrew Day School    | M. Bessler  |
| 3rd | Emilio Cisneros                 | What Materials Block WiFi Signal   | 7      | Bonita Vista Middle School            | C. Cardenas |
| 3rd | Diego Cruz                      | At What Angle Does Light Show Up the Clearest in a Spectrometer?                   | 8      | Wangenheim Middle School              | M. Silva    |
| 3rd | Mateo Gamboa<br>Jacob Gracias   | Programming a Tic-Tac-Toe Game   | 8<br>8 | St. John of the Cross Catholic School | G. Krumm    |

|                        |                                      |
|------------------------|--------------------------------------|
| <b>JUNIOR DIVISION</b> | <b>EARTH &amp; PLANETARY SCIENCE</b> |
|------------------------|--------------------------------------|

|     |                      |   |   |                               |              |
|-----|----------------------|---|---|-------------------------------|--------------|
| 1st | Marcus Catanzaro     | Percolation: Quantifying the Movement of Water Through Soil | 8 | Pacific Beach Middle School   | G. Greenberg |
| 1st | Sophia Tamashiro     | The Effect of Different Types of Sunscreens on Brine Shrimp | 8 | City Tree Christian School    | M. Lee       |
| 2nd | Morgan Brady         | Why is there Extra Light in our Skies?                      | 8 | Stella Maris Academy          | A. Jones     |
| 2nd | Alecsandra Inocentes | The Effect of Salt Level on Plant Growth                    | 8 | St. Michael Academy San Diego | M. Escalante |
| 2nd | Gabriela Serena      | Wave Runup and Ocean Floor Composition                      | 7 | St. Michael's School - Poway  | J. Poling    |

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|-------|--|--------|---------------------------|-----------------|
| 3rd   | Kalani Adolpho                             | 7      | Nativity School           | T. Lunn         |
| 3rd   | Julia Kaplan                               | 8      | San Diego Jewish Academy  | L. Deveau       |
| 3rd   | Emily Tran<br>Kaia Lam                     | 8<br>8 | Wangenheim Middle School  | M. Silva        |
| 3rd   | Joe Rascon                                 | 7      | St. Didacus Parish School | R. Blickenstaff |
| 3rd   | Kandice Alvarado                           | 7      | Corfman School            | I. Leon         |
| 4th   | Valentina Castro<br>Isabella Perez         | 8<br>8 | Our Lady of Mount Carmel  | J. Pererya, SJS |
| 4th   | Danae Santana-Oikawa<br>Estefania Valencia | 8<br>8 | Our Lady of Mount Carmel  | J. Pereyra, SJS |

**JUNIOR DIVISION**

**ENGINEERING: ELECTRICAL & MECHANICAL**

|     |                                     |        |                                  |                |
|-----|-------------------------------------|--------|----------------------------------|----------------|
| 1st | Tom Bamford<br>Ashur Taylor         | 8<br>8 | The Rhoades School               | R. Hunker      |
| 1st | Chris Choi                          | 7      | Corfman School                   | I. Leon        |
| 1st | Jennine Manalo                      | 8      | St. Rita's Catholic School       | A. Rice        |
| 1st | Cecilia Moxley                      | 8      | De Portola Middle School         | M. Bridges     |
| 1st | Orion Tamayo                        | 8      | Farb Middle School               | P. Huntington  |
| 1st | Kyle Tianshi                        | 8      | The Cambridge School High School | M. Mayne       |
| 2nd | Kareem Bassyouni                    | 7      | Bright Horizon Academy           | N. Naserelddin |
| 2nd | Nathan McKinney                     | 8      | Good Shepherd Catholic School    | Mary A. McNeil |
| 2nd | Leanne Murray                       | 8      | Wangenheim Middle School         | M. Silva       |
| 2nd | Thomas Recalde                      | 7      | St. Mary Star of the Sea School  | J. Alonso      |
| 2nd | Jaime Santos                        | 8      | Corfman School                   | C. Butler      |
| 2nd | Lorenzo Valenzuela                  | 7      | Corfman School                   | I. Leon        |
| 3rd | Michael Apalatea<br>Brendan Cordaro | 8<br>8 | St. John School - Encinitas      | G. Heins       |



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|-------|---------------------------------|-------|---------------------------------------|-----------------|
| 3rd   | Abigail Bayot<br>Ashley Sanchez | 8     | St. Rita's Catholic School            | A. Rice         |
| 3rd   | Gavin Britt                     | 8     | De Portola Middle School              | L. Yepiz        |
| 3rd   | Katherine Celestino             | 8     | St. John of the Cross Catholic School | G. Krumm        |
| 3rd   | Anderson Escudero               | 6     | St. Mary Star of the Sea School       | J. Alonso       |
| 3rd   | Isabella Garcia                 | 7     | Bonita Vista Middle School            | C. Shimasaki    |
| 3rd   | Andres Knoll<br>Miguel Morales  | 8     | St. John of the Cross Catholic School | G. Krumm        |
| 3rd   | Christopher Meyer               | 6     | St. Mary Star of the Sea School       | J. Alonso       |
| 3rd   | Wesley Newton                   | 8     | St. Didacus Parish School             | R. Blickenstaff |
| 3rd   | Luke Norin                      | 6     | City Tree Christian School            | M. Lee          |
| 4th   | Noah Pritsker                   | 8     | Soille San Diego Hebrew Day School    | M. Bessler      |

|                        |  |
|------------------------|--|
| <b>JUNIOR DIVISION</b> | <b>ENGINEERING: ENERGY &amp; TRANSPORT</b> |
|------------------------|--|

|     |                           |   |                                       |                  |
|-----|---------------------------|---|---------------------------------------|------------------|
| 1st | Asher Duben               | 8 | Soille San Diego Hebrew Day School    | M. Bessler       |
| 1st | Kyle Estep                | 8 | Farb Middle School                    | P. Huntington    |
| 1st | Jaeyoung Jeon<br>Ryan Kim | 8 | Mesa Verde Middle School              | R. Bird          |
| 1st | Nicholas Usher            | 8 | Classical Academy Middle School       | J. Morrow        |
| 1st | Kashifa Vellore           | 7 | Bernardo Heights Middle School        | L. Cao           |
| 2nd | Cameron Brooks            | 7 | Bonita Vista Middle School            | C. Shimasaki     |
| 2nd | Shane Garcia              | 8 | St. John School - Encinitas           | G. Heins         |
| 2nd | Ronit Munshi              | 7 | Carmel Valley Middle School           | Siobhan C. Kelly |
| 2nd | Luke O'Leary              | 7 | St. Gregory the Great Catholic School | S. Dasgupta      |
| 2nd | Alondra Villa             | 8 | Chula Vista Middle School             | G. Saclauso-Caro |

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|-------|---------------------------------|---|--------|---------------------------------------|------------------|
| 3rd   | Brenda Cervantes<br>Mya Navarro | Parachutes: Does Size Matter?   | 8<br>8 | National City Middle School           | K. Langel        |
| 3rd   | Max Colucci<br>Evan Humphrey    | Rocket Cars   | 8<br>8 | St. John School - Encinitas           | G. Heins         |
| 3rd   | Evan King                       | The Test Track  | 8      | Wangenheim Middle School              | T. Mendibles     |
| 3rd   | Janina Kosol                    | How Does the Shape of a Skateboard Affect Speed                               | 8      | Wangenheim Middle School              | T. Mendibles     |
| 3rd   | Jose Lopez                      | Energy in the Sky   | 8      | Our Lady of Guadalupe Academy         | J. Patton        |
| 3rd   | Isaac Reyes                     | Light and Action  | 8      | Southwest Middle                      | E. Barron        |
| 3rd   | Daniel Slinsky                  | Rocket Models   | 7      | Our Lady of Mount Carmel              | J. Pereyra, SJS  |
| 4th   | Isabella Lugo                   | Water=Electricity?  | 8      | Good Shepherd Catholic School         | M. McNeil        |
| 4th   | Leonardo Perez                  | What Makes a Helicopter Fly?  | 8      | Our Lady of Mount Carmel              | J. Pereyra, SJS  |
| 4th   | Tony Pham                       | How Does the Length of a Catapult Arm Affect the Distance a Ball is Launched? | 8      | Wangenheim Middle School              | T. Mendibles     |
| 4th   | Jorge Razo                      | DIY Potato Charger vs DIY Dill Pickle Charger                                 | 8      | Chula Vista Middle School             | G. Saclauso-Caro |
| 4th   | Frederic Riaza                  | Gas Mileage Put to the Test   | 8      | St. Peter the Apostle Catholic School | T. Fantano       |

**JUNIOR DIVISION**

**ENGINEERING: MATERIALS & BIOENGINEERING**

|     |   |   |        |                                 |                |
|-----|---|---|--------|---------------------------------|----------------|
| 1st | Lilian Englund                          | Bioplastics: Cleaning Up Our Oceans                                       | 8      | St. Mary Star of the Sea School | J. Alonso      |
| 1st | Veronica Griger                         | Is It Possible to Make a Biodegradable Straw Out of Casein Plastic?       | 7      | Coastal Academy                 | B. Biernacki   |
| 1st | Marcos McKone-Sweet<br>Colten Tretinjak | Paper Airplanes   | 7<br>7 | St. Michael's School - Poway    | J. Poling      |
| 1st | Vincent Vu                              | Which Type of Inexpensive Soundproofing Produces Effective Soundproofing? | 8      | Wangenheim Middle School        | T. Mendibles   |
| 2nd | Ziyad Aly                               | Hydraulic Powered Robot Cardboard Arm                                     | 7      | Bright Horizon Academy          | N. Naserelddin |
| 2nd | Sofia Ayesta-Hollstein                  | The New Water Solution  | 8      | Stella Maris Academy            | A. Jones       |
| 2nd | Ethan Copon                             | Can You Trust Your Truss?   | 7      | Bonita Vista Middle School      | J. Stell       |
| 2nd | Philip Knapton                          | What Material of Baseball Bats Have the Higher Exit Velocity              | 7      | Nazareth School                 | M. Reed        |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| Place | Project Title                         | Grade  | School                               | Teacher/Advisor |
|-------|---------------------------------------|--|--------------------------------------|-----------------|
| 2nd   | Cooper Lynch                          | Why It Breaks  | 8 San Diego Jewish Academy           | L. Deveau       |
| 2nd   | Daniela Teran                         | Heat Resistance of Concrete  | 8 St. Didacus Parish School          | R. Blickenstaff |
| 2nd   | Alexandra Toth<br>Christabella Wilson | Phone Holder   | 7 St. Michael's School - Poway<br>7  | J. Poling       |
| 3rd   | Dayna Coates                          | Raise The Roof-Top Gardens   | 8 Rancho del Rey Middle School       | D. Castillo     |
| 3rd   | Vincent Michael Cruz                  | How Does the Amount of Fins Affect a Submarine's Speed?              | 8 Wangenheim Middle School           | T. Mendibles    |
| 3rd   | Samantha Dagdag                       | The Comparison of Different Bridge Supports Before Breaking          | 8 Wangenheim Middle School           | T. Mendibles    |
| 3rd   | Brevan Johnson                        | How Can Adding Filling to a Cardstock Cylinder Affect Its Stability? | 8 Wangenheim Middle School           | T. Mendibles    |
| 3rd   | Nina Maya                             | Ocean Pollution Solution   | 8 Soille San Diego Hebrew Day School | M. Bessler      |
| 3rd   | Liam Patterson                        | Structures that Reduce Tsunami Damage                                | 7 St. Didacus Parish School          | R. Blickenstaff |
| 3rd   | Tiffany Pham                          | How Temperature of Materials Affects Sound                           | 8 Wangenheim Middle School           | M. Silva        |

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|------------------------|--|
| <b>JUNIOR DIVISION</b> | <b>ENVIRONMENTAL SCIENCES &amp; MANAGEMENT</b> |
|------------------------|--|

|     |                                  |   |                                 |                 |
|-----|----------------------------------|---|---------------------------------|-----------------|
| 1st | Adam Esch<br>Grace Millikin      | Quantifying the Effectiveness of <i>P. ostreatus</i> in Mycoremediation of Heavy Metals                           | 8 The Rhoades School<br>8       | R. Hunker       |
| 1st | Rohan Keswani<br>Elias Samady    | Documenting the Prevalence of Invasive Species at the Batiquitos Lagoon   | 7 The Rhoades School<br>7       | R. Hunker       |
| 1st | Willa Norvell                    | Woolsey Fire Burnt Soil: Analyzing Factors for Native Plant Regrowth  | 8 The Rhoades School            | R. Hunker       |
| 2nd | Korina Apostol                   | Which Form of Insulation is Most Effective in Retaining the Temperature of Hot Green Tea at 0 Degrees Fahrenheit? | 8 St. Michael Academy San Diego | M. Escalante    |
| 2nd | Kelly Bordine<br>Kaitlyn Podlich | Exploring Water Quality at the Buena Vista Lagoon   | 8 The Rhoades School<br>8       | R. Hunker       |
| 2nd | Fatuma Ismail                    | Can Bacteria Break Down Engine Oil?   | 8 Bright Horizon Academy        | N. Nasereldin   |
| 2nd | Tanner Kamencik                  | Would a Black Solar Tube Filled with Water Gain More Energy Than a White Solar Tube Filled with Water?            | 7 All Hallows Academy           | J. Meza         |
| 2nd | Kyla Lay                         | Flowers and Erosion   | 8 St. Didacus Parish School     | R. Blickenstaff |
| 2nd | Kayla Leung                      | How Much Carbon Dioxide is Produced by Different Gas Sources?   | 8 St. Michael Academy San Diego | M. Escalante    |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| <b>Place</b> | <b>Project Title</b>           | <b>Grade</b>   | <b>School</b>                           | <b>Teacher/Advisor</b> |
|--------------|--------------------------------|--|---|------------------------|
| <b>2nd</b>   | Alyssa Ortega                  | Air Pollutants In Our Environment  | 8 Corfman School                        | C. Butler              |
| <b>2nd</b>   | Valeria Teran                  | Soil Bearing Capacity  | 8 St. Didacus Parish School             | R. Blickenstaff        |
| <b>2nd</b>   | Emely Larios                   | Constructing Bio-Plastic as a Replacement for the Traditional Pretroleum Based Plastic | 8 Chula Vista Middle School             | T. Tom                 |
| <b>3rd</b>   | Jacob Antonio Brando Banco     | How Does the Presence of Heavy Metals Affect Aquatic Environments?                     | 8 Wangenheim Middle School              | M. Silva               |
| <b>3rd</b>   | Hector Camarena                | Can I Make It Rain For Cheap?  | 8 Farb Middle School                    | P. Huntington          |
| <b>3rd</b>   | Karol Carbajal Osdanna Robledo | Recycling Greenhouse   | 8 Our Lady of Mount Carmel<br>8         | J. Pereyra, SJS        |
| <b>3rd</b>   | Sebastian Dailey Jacob MacNab  | Which Interior is Most Economical?   | 7 St. Michael's School - Poway<br>7     | K. McHale              |
| <b>3rd</b>   | Ryan De Guzman                 | H2 Oh No! Which San Diego Public Parks Have the Cleanest Drinking Water?               | 8 Good Shepherd Catholic School         | Mary A. McNeil         |
| <b>3rd</b>   | Raquel Delgado                 | How Much Air Pollution is There in Places Visited Every Day                            | 7 All Hallows Academy                   | J. Meza                |
| <b>3rd</b>   | Savanna Grodeman               | Can San Diego's Freshwater pH Sustain Rainbow Trout Population?                        | 8 Chula Vista Middle School             | T. Tom                 |
| <b>3rd</b>   | Alayda Guerrero                | Oceans Without Border  | 8 Chula Vista Middle School             | G. Saclauso-Caro       |
| <b>3rd</b>   | Emilie Lindsey                 | The Effect of Acidification on Beam Clam Shell Mass and Seagrass Length                | 8 City Tree Christian School            | M. Lee                 |
| <b>3rd</b>   | Alex Rotunda                   | Raise the Roof   | 7 St. Peter the Apostle Catholic School | T. Fantano             |
| <b>3rd</b>   | William Sheldon                | Humidity Hotspot   | 8 St. Joseph Academy                    | R. Hanson              |
| <b>3rd</b>   | Gretchen Silva                 | Where is the Bacteria in Your Faucet?  | 8 Chula Vista Middle School             | G. Saclauso-Caro       |
| <b>4th</b>   | Ana Banda Carrillo             | How Does Diet affect Red Earthworms Population and Soil?                               | 6 Our Lady of Guadalupe Academy         | J. Patton              |
| <b>4th</b>   | Celeste Bernal Sofia Esguerra  | How to Clean Up an Oil Spill   | 7 Our Lady of Mount Carmel<br>7         | J. Pereyra, SJS        |
| <b>4th</b>   | Eoin Buechs Alex Burkart       | Light Pollution  | 8 St. John School - Encinitas<br>8      | G. Heins               |
| <b>4th</b>   | Colin Dionne                   | Reach for the Stars  | 7 St. Peter the Apostle Catholic School | T. Fantano             |
| <b>4th</b>   | Marcos Hernandez               | Temperature and Beach water pH   | 8 St. Didacus Parish School             | R. Blickenstaff        |
| <b>4th</b>   | Joseph Lambert                 | The Stirling Engine  | 7 Nativity School                       | T. Lunn                |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| Place |                 | Project Title                                | Grade | School                     | Teacher/Advisor |
|-------|-----------------|--|-------|----------------------------|-----------------|
| 4th   | Stephanie Liang | Water Filters: The Future of Helping Nature? | 7     | Bonita Vista Middle School | C. Cardenas     |
| 4th   | Tyler Petersen  | Microbial Fuel Cell - A New Energy Source    | 8     | De Portola Middle School   | M. Bridges      |
| 4th   | Ethan Rhee      | Cooking with the Sun                         | 7     | St. Didacus Parish School  | R. Blickenstaff |
| 4th   | Peyton Slinkard | Effectiveness of Homemade Desalinators       | 7     | St. Didacus Parish School  | R. Blickenstaff |

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|------------------------|------------------------------|
| <b>JUNIOR DIVISION</b> | <b>MATHEMATICAL SCIENCES</b> |
|------------------------|------------------------------|

|     |                   |  |   |                              |            |
|-----|-------------------|--|---|------------------------------|------------|
| 1st | Nandana Madhukara | Mathematical Origami Models for Space Structures Based on the Axial Compressibility of Cones | 7 | Pacific Trails Middle School | K. Freeman |
| 2nd | Levi Katriel      | Analyzing NFL Statistics To Determine Impacts of Injuries on Team Performance                | 8 | The Rhoades School           | R. Hunker  |

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|------------------------|---------------------------------------|
| <b>JUNIOR DIVISION</b> | <b>MEDICINE &amp; HEALTH SCIENCES</b> |
|------------------------|---------------------------------------|

|     |                                   |  |        |                               |               |
|-----|-----------------------------------|--|--------|-------------------------------|---------------|
| 1st | Reem Hmoud                        | One Step Closer to Ending Diabetes by Choosing the Right Variety of Rice                       | 7      | Bright Horizon Academy        | N. Nasereldin |
| 1st | Daanya Hussain                    | Are Probiotics Beneficial for Brain Health?  | 8      | Bright Horizon Academy        | N. Nasereldin |
| 1st | Isabel Lehmann                    | Climber's Chalk: Quantifying Exposure to Magnesium Carbonate Coarse and Fine Particulates      | 8      | The Rhoades School            | R. Hunker     |
| 1st | Krishna Nagarajan                 | The Effect of Simple Sugars on Adolescent Heart Rate   | 8      | The Rhoades School            | R. Hunker     |
| 1st | Bhadra Rupesh                     | Evaluating Single Nucleotide Polymorphisms in the Correlation of Phenotypes to Type 2 Diabetes | 8      | The Rhoades School            | R. Hunker     |
| 1st | Melissa Soberanes                 | How Pollution is Affecting Children in the Imperial/Mexicali Valley                            | 6      | Our Lady of Guadalupe Academy | J. Patton     |
| 1st | Sarah Youssef                     | Will Organic Really Make a Difference?   | 7      | Bright Horizon Academy        | N. Nasereldin |
| 1st | Sydney Zhang                      | Designing A Low-cost, High-sensitivity Method For Early Diagnosis Of Dry Eye Diseases          | 7      | Mesa Verde Middle School      | C. Cochran    |
| 2nd | Patrick Dockery<br>Gustavo Serena | Hearing Loss When You Use Headphones, Earbuds, and Airpods                                     | 7<br>7 | St. Michael's School - Poway  | K. McHale     |
| 2nd | Sameer Goswami                    | Investigating Lead Contamination in Children's Consumer Products                               | 8      | The Rhoades School            | R. Hunker     |
| 2nd | Eljen Lacibal                     | The Effect of Different Liquids on a Liver   | 8      | Wangenheim Middle School      | M. Silva      |
| 2nd | Audrey Link<br>Divya Sharma       | Investigating Antimicrobial Properties of Eco-Friendly Herbal Disinfectants                    | 7<br>7 | The Rhoades School            | R. Hunker     |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| Place | Project Title                    | Grade  | School                               | Teacher/Advisor |
|-------|----------------------------------|--|--------------------------------------|-----------------|
| 2nd   | Samantha Meram                   | Can Your Phone Really Kill You?                              | 8 Corfman School                     | C. Butler       |
| 2nd   | Sofia Meyers                     | Does Being on Your Phone Make You Blink More?                | 8 St. John School - Encinitas        | G. Heins        |
| 2nd   | Moshe Shaked                     | Protecting Screens   | 8 Soille San Diego Hebrew Day School | M. Bessler      |
| 2nd   | Alek Singer                      | Does BMX Improve Balance                                     | 8 Soille San Diego Hebrew Day School | M. Bessler      |
| 3rd   | Ella Azzeh<br>Evan Dodds         | Are Fingerprint Patterns Inherited                           | 7 St. John School - Encinitas<br>7   | G. Heins        |
| 3rd   | Ethan Bertellotti<br>Tyler Duong | A Study of Padding   | 7 St. Michael's School - Poway<br>7  | K. McHale       |
| 3rd   | Sania Dogra                      | Indirect Assessment of Solanine Levels in Potatoes Over Time | 8 The Rhoades School                 | R. Hunker       |
| 3rd   | Robin Jayco                      | Studying and Performing Bioinformatics Using Influenza       | 8 St. Rita's Catholic School         | A. Rice         |
| 3rd   | Alan Luu                         | Absorbing Alveoli  | 8 Farb Middle School                 | P. Huntington   |
| 3rd   | Marianna Marasigan               | Does Gender Affect How Often Arched Fingerprints Occur?      | 7 Wangenheim Middle School           | T. Mendibles    |
| 3rd   | Ruthie McElfresh                 | Does Ballet Experience Affect Reaction Time?                 | 8 Soille San Diego Hebrew Day School | M. Bessler      |
| 3rd   | Orin Mizan                       | Crybaby  | 8 Soille San Diego Hebrew Day School | M. Bessler      |
| 3rd   | Max Namazy                       | Does Age Affect Olfactory Fatigue?                           | 8 Mt. Helix Academy                  | J. Hudson       |
| 3rd   | Aaron Jonathan Palma             | Myocardial Infarction Representation Experiment              | 8 St. Rita's Catholic School         | A. Rice         |
| 3rd   | Ivan Valadez                     | Feel the Burn  | 7 Barbara Worth Junior High School   | C. Calip        |

**JUNIOR DIVISION**

**MICROBIOLOGY**

|     |                |   |                            |           |
|-----|----------------|---|----------------------------|-----------|
| 1st | Abigail Arnold | The Antibacterial Properties of Manuka Honey in Relation to Its UMF Value | 8 Mt. Helix Academy        | J. Hudson |
| 1st | Jonah Berman   | Comparing Bacteria Levels at Fast Food Restaurants                        | 7 The Rhoades School       | R. Hunker |
| 1st | Leanne Fan     | Power of Light: The Antibacterial Effect of Red and Blue Lights           | 6 Mesa Verde Middle School | D. Fice   |
| 1st | Josh Kozak     | Is a Washed or Unwashed Egg Better at Protecting Against Bacteria         | 7 All Hallows Academy      | J. Meza   |
| 1st | Shannon Stroup | Child and Adult Medical Clinic Waiting Rooms: Which Has More Bacteria?    | 7 Nazareth School          | M. Reed   |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| Place |                                 | Project Title   | Grade  | School                             | Teacher/Advisor  |
|-------|---------------------------------|---|--------|------------------------------------|------------------|
| 2nd   | Ema Escobar                     | The Five Second Rule  | 7      | St. Didacus Parish School          | R. Blickenstaff  |
| 2nd   | Sophie Howard                   | How Much Bacteria is Really on Your Toothbrush?   | 8      | St. John School - Encinitas        | G. Heins         |
| 2nd   | Sarah Shlemon                   | Time to Glow: The Effect of Agitation on Dinoflagellate Bioluminescence   | 7      | Classical Conversations            | J. Shlemon       |
| 2nd   | Erin Grace Tuscano              | Testing the Effectiveness of Commercially Available Water Filters for Total Dissolved Solids and Microbial Growth | 8      | St. Michael Academy San Diego      | M. Escalante     |
| 2nd   | Michelle Wilson                 | How Much Bacteria Accumulates on the Sole of a Brand New Pair of Shoes  | 7      | All Hallows Academy                | J. Meza          |
| 2nd   | Ella Yerushalmi                 | SCOBY-doo. Where Are You? A Scientific Kombucha Experiment  | 8      | Soille San Diego Hebrew Day School | M. Bessler       |
| 3rd   | Meryem Al-Delaimy               | UV Rays Vs UV Light on Bacteria   | 8      | Bright Horizon Academy             | N. Nasereddin    |
| 3rd   | Farah Aswad                     | Which Works Best?? Alcohol vs. Homemade Sanitizers  | 8      | Bright Horizon Academy             | N. Naserelddin   |
| 3rd   | America Barron                  | Bacteria in USD Currency  | 8      | Chula Vista Middle School          | G. Saclauso-Caro |
| 3rd   | Dominic Berona<br>Sydney Polish | Sweet Sensation: What Sugar Substitute Works Best Compared to Basic Sugar?  | 8<br>8 | Wangenheim Middle School           | M. Silva         |
| 3rd   | Sofia Calatroni                 | What Prevents Germ Growth the Most - Cold Temperatures, Copper, or Disinfecting wipes                             | 7      | All Hallows Academy                | J. Meza          |
| 3rd   | Magnolia Olin                   | Bacteria in Public Pools  | 8      | Chula Vista Middle School          | G. Saclauso-Caro |
| 3rd   | Melanni Sandoval                | The Effect of Filtration Methods on River Water   | 8      | The Children's School              | D. Quincannon    |
| 3rd   | Jaelynn Tiong                   | The Greatest Elimination  | 8      | St. Michael Academy San Diego      | M. Escalante     |

**JUNIOR DIVISION**

**PHYSICS & ASTRONOMY**

|     |                                   |   |        |                                    |               |
|-----|-----------------------------------|---|--------|------------------------------------|---------------|
| 1st | Jayden Bamba                      | Wooden Secret Power Vs. Speed                                 | 8      | Farb Middle School                 | P. Huntington |
| 1st | Sawyer Benedict<br>Jake Streitman | Evaluating the Effectiveness of Light Shields Against Skyglow | 7<br>7 | The Rhoades School                 | R. Hunker     |
| 1st | Vikramaditya Sidharth<br>Chandra  | Why the Moon Appears Larger Occasionally                      | 7      | San Elijo Middle School            | S. Bireddy    |
| 1st | Micah Hall                        | Model Rocket Aerodynamics                                     | 7      | Mt. Helix Academy                  | J. Hudson     |
| 1st | Silas Kyne                        | Trailer Sway? No Way!   | 8      | St. Joseph Academy                 | R. Hanson     |
| 1st | Jack Licha                        | Bumper to Bumper  | 8      | Soille San Diego Hebrew Day School | M. Bessler    |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| <b>Place</b> | <b>Project Title</b>            | <b>Grade</b> | <b>School</b>                         | <b>Teacher/Advisor</b> |
|--------------|---------------------------------|--------------|---------------------------------------|------------------------|
| <b>1st</b>   | Tejas Ravi                      | 7            | The Rhoades School                    | R. Hunker              |
| <b>1st</b>   | Kylie Reyes                     | 8            | Chula Vista Middle School             | T. Tom                 |
| <b>2nd</b>   | Jacques Allende                 | 7            | Nazareth School                       | M. Reed                |
| <b>2nd</b>   | Margherita Buratti              | 8            | The Children's School                 | D. Quincannon          |
| <b>2nd</b>   | Ayann Diones                    | 7            | St. Michael Academy San Diego         | M. Escalante           |
| <b>2nd</b>   | Jackson Faust                   | 7            | St. John School - Encinitas           | G. Heins               |
| <b>2nd</b>   | Lucas Fouch                     | 7            | Bonita Vista Middle School            | C. Shimasaki           |
| <b>2nd</b>   | Ty Gagielo                      | 8            | St. Didacus Parish School             | R. Blickenstaff        |
| <b>2nd</b>   | Breanna Machuca                 | 8            | Chula Vista Middle School             | T. Tom                 |
| <b>2nd</b>   | Andreina Ortiz                  | 8            | St. Didacus Parish School             | R. Blickenstaff        |
| <b>2nd</b>   | Matthew Pullman                 | 8            | St. Joseph Academy                    | R. Hanson              |
| <b>2nd</b>   | Samantha Ryan                   | 8            | St. Mary Star of the Sea School       | J. Alonso              |
| <b>2nd</b>   | Aiden Tirabassi                 | 6            | St. Mary Star of the Sea School       | J. Alonso              |
| <b>3rd</b>   | Nico Cantore                    | 8            | St. Didacus Parish School             | R. Blickenstaff        |
| <b>3rd</b>   | Hayden Hinds                    | 7            | Nativity School                       | T. Lunn                |
| <b>3rd</b>   | Ronald Krajewski                | 7            | St. Michael's School - Poway          | J. Poling              |
| <b>3rd</b>   | Eitan Lugasi                    | 8            | Soille San Diego Hebrew Day School    | M. Bessler             |
| <b>3rd</b>   | Haegan McGarry<br>Elijah White  | 6<br>6       | St. Peter the Apostle Catholic School | T. Fantano             |
| <b>3rd</b>   | Diego Sanchez<br>Santiago Vidal | 7<br>7       | Our Lady of Mount Carmel              | J. Pereyra, SJS        |
| <b>3rd</b>   | Jacob Tabalon                   | 8            | St. Michael Academy San Diego         | M. Escalante           |



**Greater San Diego Science Engineering Fair**  
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| Place | Project Title | Grade | School                             | Teacher/Advisor |
|-------|---------------|-------|------------------------------------|-----------------|
| 3rd   | Leah Wilson   | 8     | Soille San Diego Hebrew Day School | M. Bessler      |

|                        |                       |
|------------------------|-----------------------|
| <b>JUNIOR DIVISION</b> | <b>PLANT SCIENCES</b> |
|------------------------|-----------------------|

|     |                                  |   |                                    |                 |
|-----|----------------------------------|---|------------------------------------|-----------------|
| 1st | Ryanne Marcy<br>Christina Walley | 8 | Coastal Academy                    | B. Biernacki    |
| 1st | Gizcel Mendoza                   | 8 | Wangenheim Middle School           | M. Silva        |
| 1st | Felicity Shallan                 | 8 | Mt. Helix Academy                  | J. Hudson       |
| 1st | Rebecca Venger                   | 8 | Soille San Diego Hebrew Day School | M. Bessler      |
| 2nd | Jodie Marie Cagayao              | 7 | St. Michael Academy San Diego      | M. Escalante    |
| 2nd | Ashley Hurd                      | 8 | Wangenheim Middle School           | T. Mendibles    |
| 2nd | Jedrick Kantala                  | 8 | Wangenheim Middle School           | T. Mendibles    |
| 2nd | Rozita Kareem                    | 8 | Bright Horizon Academy             | N. Nasereldin   |
| 2nd | Arielle Timtiman                 | 8 | Wangenheim Middle School           | T. Mendibles    |
| 2nd | Noor ValeCruz                    | 8 | Chula Vista Middle School          | G. Saclaus-Caro |
| 3rd | Alexis Hamel                     | 7 | Mt. Helix Academy                  | J. Hudson       |
| 3rd | Hunter Haynes                    | 7 | Eastlake Middle School             | R. Martinez     |
| 3rd | Gregory Leong                    | 7 | St. Pius X School                  | R. Doyle        |
| 3rd | Hayden Marquez                   | 7 | Bonita Vista Middle School         | C. Shimasaki    |
| 3rd | Joaqui Miranda                   | 8 | Wangenheim Middle School           | M. Silva        |
| 3rd | Emma Morin                       | 6 | City Tree Christian School         | M. Lee          |
| 3rd | Dorcas Ndume                     | 8 | City Tree Christian School         | M. Lee          |
| 3rd | Gabrielle Rafii                  | 8 | San Diego Jewish Academy           | L. Deveau       |
| 3rd | Larianna Riel                    | 8 | Wangenheim Middle School           | T. Mendibles    |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| Place | Project Title                  | Grade   | School                                       | Teacher/Advisor |
|-------|--------------------------------|---|--|-----------------|
| 3rd   | Maria Serra-Fernandez          | How is Plastic Pollution Affecting Our Plants?      | 8 Wangenheim Middle School                   | M. Silva        |
| 4th   | Seth Bucholtz                  | Does Depth of Hole Effect Size of Plant?            | 8 The Children's School                      | D. Quincannon   |
| 4th   | Carlo Castrejon<br>Omar Castro | Which Fertilizer is Best for Plant Growth?          | 7 Our Lady of Mount Carmel<br>7              | J. Pereyra, SJS |
| 4th   | Stefania Garcia                | What Type of Plants are More Flammable?             | 7 Bonita Vista Middle School                 | C. Cardenas     |
| 4th   | Emilio Morineau                | What Factor is Most Important for a Plant's Growth? | 8 Our Lady of Mount Carmel                   | J. Pereyra, SJS |
| 4th   | Sofia Ortiz                    | Do Potted Plants Grow Taller Indoors or Outdoors?   | 7 St. Pius X School                          | R. Doyle        |
| 4th   | Morgyn Stack<br>Chloe Thomas   | Plant vs. Fire                                      | 7 St. Peter the Apostle Catholic<br>7 School | T. Fantano      |
| 4th   | Sylvie Taylor                  | Do Plants Grow the Fastest in Sandy or Clay Soil?   | 7 Mt. Helix Academy                          | K. Mac Donald   |

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|------------------------|---|
| <b>JUNIOR DIVISION</b> | <b>PRODUCT TESTING/CONSUMER SCIENCE</b> |
|------------------------|---|

|     |   |  |                                   |                 |
|-----|---|--|-----------------------------------|-----------------|
| 1st | Siena Bateman                           | Gender Bias by Color in Kids Clothing Stores   | 7 The Children's School           | D. Quincannon   |
| 1st | James Blue<br>Neelan Patel              | Beat the Heat: Comparing the Effectiveness of Blacktop Coatings                            | 8 The Rhoades School<br>8         | R. Hunker       |
| 1st | Nicole Chamberlin                       | The Best Type of Sunscreen   | 8 St. Didacus Parish School       | R. Blickenstaff |
| 1st | Anusha Chatha                           | Harvesting Water: Testing the Effectiveness of Various Sized Mesh in Fog Nets              | 8 The Rhoades School              | R. Hunker       |
| 1st | Cameron Do                              | Comparing the Effectiveness of Various Face Masks in Blocking Coarse and Fine Particulates | 8 The Rhoades School              | R. Hunker       |
| 1st | Abdullahi Gelle                         | Plastic in Rice  | 7 Bright Horizon Academy          | N. Naserelddin  |
| 1st | Daniel Hotz                             | Think Before You Drink: Testing the Effectiveness of Various Electrolyte Solutions         | 8 Mt. Helix Academy               | J. Hudson       |
| 1st | Jacob Hotz                              | Skintastic Sunscreen   | 8 Mt. Helix Academy               | J. Hudson       |
| 1st | Marcelo Jaber                           | Testing Different Glues in Different Temperatures  | 7 St. Didacus Parish School       | R. Blickenstaff |
| 1st | Valentino Jimenez<br>Jackson Ritterbeck | The Effect of Shoe Type on Jumping   | 7 City Tree Christian School<br>7 | M. Lee          |
| 1st | James Leos                              | Synthetic vs Conventional  | 7 St. Didacus Parish School       | R. Blickenstaff |
| 1st | Killian McGinnis                        | Football Helmet Safety   | 7 St. Didacus Parish School       | R. Blickenstaff |

**Greater San Diego Science Engineering Fair**  
**Category Place Awards - Junior Division**  
**2020**

| <b>Place</b> | <b>Project Title</b>                 | <b>Grade</b>  | <b>School</b>                              | <b>Teacher/Advisor</b> |
|--------------|--------------------------------------|---|--|------------------------|
| <b>1st</b>   | Rosy Montejo<br>Margaret Nasry       | Bottle of the Brands<br>8   | St. Peter the Apostle Catholic<br>8 School | T. Fantano             |
| <b>1st</b>   | Alyna Oquendo                        | The Effect of Isopropyl Alcohol vs Lysol<br>Disinfectant                      | 8 Chula Vista Middle School                | G. Saclauso-Caro       |
| <b>1st</b>   | Jackson Pawl                         | Best Bottle Brand   | 7 All Hallows Academy                      | J. Meza                |
| <b>2nd</b>   | Finley Alford                        | Effects of Heat on Fishing Line   | 7 All Hallows Academy                      | J. Meza                |
| <b>2nd</b>   | Andrew Barsoumian                    | Swimming Suit Speed   | 8 St. Joseph Academy                       | R. Hanson              |
| <b>2nd</b>   | Maddox Brandenburg<br>Carter Halenza | Documenting Ball Pressure Changes and<br>Subsequent Effects on Performance    | 8 The Rhoades School<br>8                  | R. Hunker              |
| <b>2nd</b>   | Andalyn Bray<br>Annie Mara           | The Effects of Ultra Violet Light on Printer Ink                              | 7 St. Michael's School - Poway<br>7        | J. Poling              |
| <b>2nd</b>   | Nicolas DeSouza                      | Which Helmet is Safer - Hockey or Football<br>Helmet?                         | 7 All Hallows Academy                      | J. Meza                |
| <b>2nd</b>   | Elisheva Ertel                       | Straws for a Cause  | 8 Soille San Diego Hebrew Day<br>School    | M. Bessler             |
| <b>2nd</b>   | Sarai Gonzalez<br>Romina Sierra      | Toilet Paper Breaking Point   | 8 Our Lady of Mount Carmel<br>8            | J. Pereyra, SJS        |
| <b>2nd</b>   | Melania Gorou                        | What Is In Your Water   | 7 Nazareth School                          | M. Reed                |
| <b>2nd</b>   | Noelle Gray                          | Which Baking Method Works Best for<br>Cheesecakes?                            | 8 Carlton Hills Middle School              | K. Ducharme            |
| <b>2nd</b>   | Katie Hayek                          | Soaking Up the Sun  | 8 St. Peter the Apostle Catholic<br>School | T. Fantano             |
| <b>2nd</b>   | Alexandria Hulse                     | Testing Pointe Shoe Pads  | 7 Nazareth School                          | M. Reed                |
| <b>2nd</b>   | Avery Lay                            | Biodegradable Straws  | 7 St. Didacus Parish School                | R. Blickenstaff        |
| <b>2nd</b>   | Yacob Serawit                        | Pulp or No Pulp?  | 8 St. Didacus Parish School                | R. Blickenstaff        |
| <b>2nd</b>   | Katie Tran                           | Gloss and Glimmer: Which Will Be the Last<br>Shimmer                          | 8 Carlton Hills Middle School              | K. Ducharme            |
| <b>2nd</b>   | Quynh Tran                           | How Effective are Household Items on Removing<br>Permanent Marker on Plastic? | 8 Wangenheim Middle School                 | T. Mendibles           |
| <b>2nd</b>   | Jonah Villafana                      | Steak Out: What Works Best to Tenderize Steak                                 | 7 St. Pius X School                        | R. Doyle               |
| <b>3rd</b>   | Camila Alatorre                      | Removing Permanent Marker Stains  | 8 Chula Vista Middle School                | T. Tom                 |
| <b>3rd</b>   | Alexa Castro<br>Valeria Castro       | Which Wood is More Sustainable for Heavy<br>Objects?                          | 6 Our Lady of Mount Carmel<br>6            | J. Pereyra, SJS        |

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|--------------|--|--------------|-------------------------------|------------------------|
| <b>3rd</b>   | Hector Coronel-Villarreal<br>Thermal Shock   | 8            | Corfman School                | C. Butler              |
| <b>3rd</b>   | Dylan Dullano<br>Coke versus Pepsi Blind Taste Test  | 7            | St. Michael Academy San Diego | M. Escalante           |
| <b>3rd</b>   | Joshua Duong<br>Will Polish Prevent Wood From Absorbing Water  | 8            | Chula Vista Middle School     | T. Tom                 |
| <b>3rd</b>   | Daniel Figueroa-Valdez<br>Vicente Perez-Maytorna<br>Measuring pH levels in Different Water Products to Find Out Which is Healthier (In terms of pH Levels) | 6<br>6       | Our Lady of Mount Carmel      | J. Pereyra, SJS        |
| <b>3rd</b>   | Trinity Hoang<br>How Do Different Marker Brands Determine Whether Ink Fades Away Faster?   | 8            | Wangenheim Middle School      | M. Silva               |
| <b>3rd</b>   | Alayna Maake<br>Generic Versus Name Brand Cereals: Absorbability   | 7            | St. Didacus Parish School     | R. Blickenstaff        |
| <b>3rd</b>   | Nicholas Miranda<br>Got Apples?  | 7            | St. Michael Academy San Diego | M. Escalante           |
| <b>3rd</b>   | Cassie Nguyen<br>The Pigmentation of Paint in Sunlight   | 7            | St. Didacus Parish School     | R. Blickenstaff        |
| <b>3rd</b>   | Jayce Tortona<br>How Does Temperature Affect Batteries   | 7            | Bonita Vista Middle School    | J. Stell               |
| <b>3rd</b>   | Christopher Tran<br>How Does the Number of Bananas in a Bunch Affect the Time They Take to Ripen?  | 8            | Wangenheim Middle School      | T. Mendibles           |
| <b>4th</b>   | Brandon Lau<br>Fast Fizz: What Liquid Dissolves Alka-Seltzer Fastest?  | 8            | Mt. Helix Academy             | J. Hudson              |