

ANIMAL BIOLOGY - JR J01

Idris Abdul-Malik	Institute of Knowledge Middle School	First Place J0104	<i>The Heat is On: Examining the Impact of Temperature on Painted Lady Butterfly (V. cardui) Development</i>
	Selena Khan	Split group: -	
Dro Abouljian	Chamlan Armenian School	Second Place J0101	<i>An Alternate Source of Protein, The Black Soldier Fly</i>
	Iida Gevorkian	Split group: -	
Raphael Kaplan	La Canada Preparatory	Third Place J0102	<i>How Do Raptors Survive in L.A.?</i>
	Steve Miller	Split group: -	
Yousef Elrabat	New Horizon School	Recognition J0105	<i>Using Mealworms to Effectively Biodegrade Styrofoam</i>
	Kavitha Satya	Split group: -	
Ayah Hamdan	Al-Huda Islamic School	Recognition J0103	<i>Are Fingerprints Inherited?</i>
	Rula Alshanableh	Split group: -	
Adina Tariq	Al-Huda Islamic School	Recognition J0106	<i>Stuck with You! A study on the Long Term Side Effects of Covid-19.</i>
	Rula Alshanableh	Split group: -	

ANIMAL PHYSIOLOGY - JR J02

Yash Jaju	La Canada Preparatory	First Place J0204	<i>Planaria, Regeneration, and Future of Medicine</i>
	Steve Miller	Split group: -	
Faris Hafid	Al-Huda Islamic School	Second Place J0201	<i>Is There a Correlation between the Epstein-Barr Virus (EBV) and Developing Postural Orthostatic Tachycardia Syndrome (POTS)?</i>
	Rula Alshanableh	Split group: -	
Azmavet Inocente	Magnolia Science Academy 6	Third Place J0202	<i>The Build Of The Artificial Pancreas</i>
	Sarah Kim	Split group: -	
Khadijah Aliuddin	Institute of Knowledge Middle School	Honorable Mention J0206	<i>Far From Home and Back Again: Tracking the Journey of the Eastern Kingbird (T. tyrannus) and Its Seasonal Lifestyle</i>
	Selena Khan	Split group: -	

Autrin Anousheh	Mirman School	Recognition J0203	<i>The Role of Wearable Electrocardiogram Technology to Detect Electrical Abnormalities Associated with Sudden Cardiac Arrest in Young Athletes</i>
	Andrea Peoples Marwah	Split group: -	

BEHAVIORAL SCIENCE - NON-HUMAN - JR J03

Penelope Ungersma	Portola Highly Gifted Magnet	First Place J0303	<i>Anthophila Preferences for Colored Flowers</i>
	Ruth Gramajo	Split group: -	
Mazzy Wortman	Arroyo Seco Museum Science Magnet School	Second Place J0305	<i>Comparing Learning Capabilities Between White's Tree Frogs and Feeder Mice</i>
	Laura Griffith	Split group: -	
Ella Markarian	St. Gregory A. & M. Hovsepian School	Recognition J0304	<i>Did the Dog Do it Or Not</i>
	Shakeh Haroutiounian	Split group: -	
Jennifer Velasquez	Sierra Vista Junior High School	Recognition J0301	<i>Sugar Addiction: A Study of the Effect of different nutrient Sources When Exposed to Different Environmental Temperatures</i>
	Shauna Davis	Split group: -	

BEHAVIORAL/SOCIAL SCIENCES - HUMAN - JR J04

Remi O'Dell	Mirman School	First Place J0412	<i>The Influence of the Pygmalion and Golem Effects on the Confidence, Mental Health and Math Test Scores of a Student in Middle School</i>
	Andrea Peoples Marwah	Split group: -	
Lucas Woo	Mirman School	Second Place J0419	<i>Examining the Influence of Bedtime Bright Light on Cognitive Function in Middle Schoolers</i>
	Andrea Peoples Marwah	Split group: -	
Rose Lehrer	Walter Reed Middle School	Third Place J0420	<i>Mind the Sign</i>
	Joyann Sofio	Split group: -	
Ameya Balaji	Cathedral Chapel School	Honorable Mention J0421	<i>Reiki: Unwind Your Mind</i>
	Donielle Mitchell	Split group: -	
Cathryn Abrishami	Arroyo Seco Museum Science Magnet School	Recognition J0401	<i>The Art of Deception</i>
	Laura Griffith	Split group: -	

Aleena Alkwadri	Al-Huda Islamic School	Recognition J0418	<i>Examining the Stress Relieving Powers of Aroma Therapy.</i>
	<i>Rula Alshanableh</i>	Split group: -	
Ashley Chan	Archer School for Girls - Junior Division	Recognition J0403	<i>The Bystander Effect on Humans</i>
	<i>Jerilyn Neshek</i>	Split group: -	
Audrey Chin Rachel Lee Kevin Han	Ridgecrest Intermediate School	Recognition J0407	<i>Stroop Effect: Congruent VS. Incongruent Stimuli</i>
	<i>Julie Munoz</i>	Split group: -	
Noa Delson	Temple Beth Am Pressman Academy	Recognition J0410	<i>Gossip Girlz</i>
	<i>Monica Hall</i>	Split group: -	
Simon Goldberg	Temple Beth Am Pressman Academy	Recognition J0415	<i>The Proof are in the Prints</i>
	<i>Monica Hall</i>	Split group: -	
Arielle Goldscheider	Temple Beth Am Pressman Academy	Recognition J0414	<i>The Power Of Color</i>
	<i>Monica Hall</i>	Split group: -	
Jenny Hernandez	Magnolia Science Academy 6	Recognition J0411	<i>Which is Candy?</i>
	<i>Sarah Kim</i>	Split group: -	
Sandy Htwe	Al-Huda Islamic School	Recognition J0417	<i>Exploring Short-Term Memory Retention with Visual versus Auditory Methods.</i>
	<i>Rula Alshanableh</i>	Split group: -	
Ryan Kim	Stratford School	Recognition J0406	<i>Does differently colored food change our food preferences?</i>
	<i>Jett del Mundo</i>	Split group: -	
Rasmi Mustafa	Institute of Knowledge Middle School	Recognition J0413	<i>Brave New World: Exploring the Potential of Virtual Reality Therapy in Overcoming Fears</i>
	<i>Selena Khan</i>	Split group: -	
Jenna Orefice Ashley Kpachavi	Sierra Vista Junior High School	Recognition J0405	<i>How does your nightly routine and environment before sleep affect the quality of sleep and your overall health?</i>
	<i>Shauna Davis</i>	Split group: -	
Janelle Peralta	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Recognition J0408	<i>The Effect of School Gardens on Students' Well- being</i>
	<i>Teresa Aki</i>	Split group: -	

Liliana Ponnezhan	Stratford School	Recognition J0409	<i>Does Guided Deep Breathing Exercises Improve Test Outcomes in Elementary Students?</i>
	<i>Jett del Mundo</i>	Split group: -	
Zayneb Qazwini	Institute of Knowledge Middle School	Recognition J0423	<i>Black, White, or Something in Between? Exploring the Impact of Text Color on Readability</i>
	<i>Selena Khan</i>	Split group: -	
Natasha Ramos	Mark Twain Middle School	Recognition J0422	<i>Does video game music productivity.</i>
	<i>Jenny Burman</i>	Split group: -	
Sophia Spencer	Mirman School	Recognition J0404	<i>Eye color and Photophobia: the effect of vision in light and dark.</i>
	<i>Andrea Peoples Marwah</i>	Split group: -	
Kealani Vega	Miraleste Intermediate School	Recognition J0402	<i>Age Analyzation Towards Learned and Conditioned Responses</i>
	<i>Julie Munoz</i>	Split group: -	
BIOCHEMISTRY & MOLECULAR BIOLOGY - JR J05			
Leana Asatourian	Chamlan Armenian School	First Place J0506	<i>Sugars in Your Smoothies!</i>
	<i>Iida Gevorkian</i>	Split group: -	
Derek Gao	Sierra Madre Middle School	Second Place J0508	<i>The secrets behind large and sweet strawberries</i>
	<i>Ravi Dev Anandhan</i>	Split group: -	
Varsha Murali	Portola Highly Gifted Magnet	Third Place J0502	<i>GlutoPen : A Novel Solution to Allergen Detection</i>
	<i>Ruth Gramajo</i>	Split group: -	
GUGLIELMO CORDARA	La Canada Preparatory	Honorable Mention J0501	<i>SALT AND SUGAR: TWO SILENT ENEMIES!</i>
	<i>Steve Miller</i>	Split group: -	
Natalie Davidian	Chamlan Armenian School	Honorable Mention J0503	<i>Electrolyte Challenge</i>
	<i>Iida Gevorkian</i>	Split group: -	
Ximena Nunez	Montebello Intermediate School	Recognition J0505	<i>Are fingerprints inherited?</i>
	<i>Karina Aragon</i>	Split group: -	
Shravanthi Raja	Hale Charter Academy STEAM Magnet	Recognition J0504	<i>How Does Narrowing the Diameter of an Artery Affect Blood Flow Rate?</i>
	<i>Joanne Ramirez</i>	Split group: -	

CHEMISTRY - APPLIED - JR J06

Jordan Rowe	The Science Academy STEM Magnet	First Place J0612	<i>The effects of the enzyme Proteinase K on the biodegradation of plastic</i>
	Flavia DiMonaco	Split group: -	
Allison Wong	Hale Charter Academy STEAM Magnet	Second Place J0604	<i>Can CaCO₃ Solve the Effects of Acid Rain?</i>
	Joanne Ramirez	Split group: -	
Aspen Chung	The Science Academy STEM Magnet	Third Place J0616	<i>Producing Hydrogen Gas Through Electrolysis: How Different Amounts of Magnesium Sulfate Affect the Rate of Electrolysis and pH Change</i>
	Flavia DiMonaco	Split group: -	
Benjamin Brady	Mirman School	Honorable Mention J0611	<i>The Efficiency of Aluminum Potassium Sulfate in Fireproofing Cloth</i>
	Andrea Peoples Marwah	Split group: -	
David Enfiadjian	Chamlan Armenian School	Honorable Mention J0602	<i>Benzene Breach!</i>
	Iida Gevorkian	Split group: -	
Andrew Benneian	C. & E. Merdinian Armenian Evangelical School	Recognition J0605	<i>What Cools a Soda the Fastest?</i>
	Fredrick Sayadian	Split group: -	
Frankie Cortese	St. Cyril of Jerusalem School	Recognition J0606	<i>Which Cleaning Liquid Creates the Most Rust on Spoons?</i>
	Taylor Schori	Split group: -	
Adelrio Efendy	New Horizon School	Recognition J0609	<i>Comparing different brands of Vitamin C for their solubility in Soda, Room Temperature Water, and Body Temperature Water</i>
	Kavitha Satya	Split group: -	
Maral Erdenesuren	Sierra Madre Middle School	Recognition J0607	<i>Can candles harm you and your health?</i>
	Ravi Dev Anandhan	Split group: -	
Zein Fawaz	New Horizon School	Recognition J0610	<i>Transforming Drinks Into Semi-Solid Juice Balls That Pop In Your Mouth</i>
	Kavitha Satya	Split group: -	
Madison Gonzalez	Pomona Unified School District Junior Division	Recognition J0613	<i>Gummy Expansion</i>
	bridget gardea	Split group: -	

Yousef Hawa	Islamic Center of Claremont School (ICCS)	Recognition J0617	<i>How pH-resch is your Water?</i>
	<i>Samraa Smadi</i>	Split group: -	
Jasmine Hsiung	Sierra Madre Middle School	Recognition J0615	<i>Between Granulated Activated Carbon Filters, Powdered Activated Carbon Filters, and No Carbon Filters, Which One Works Best?</i>
	<i>Ravi Dev Anandhan</i>	Split group: -	
Amelie Palma	Sierra Madre Middle School	Recognition J0603	<i>Ice Cream and Salt</i>
	<i>Ravi Dev Anandhan</i>	Split group: -	
Ayesha Qureshi	Islamic Center of Claremont School (ICCS)	Recognition J0601	<i>How Acids Affect the Rate of Corrosion</i>
	<i>Samraa Smadi</i>	Split group: -	
Shiloh Rosner Jasmine Nejat	Temple Beth Am Pressman Academy	Recognition J0608	<i>Whipped Cream Awesomeness</i>
	<i>Monica Hall</i>	Split group: -	
Gisabella Ruiz	Pomona Unified School District Junior Division	Recognition J0618	<i>Walking Water</i>
	<i>bridget gardea</i>	Split group: -	
Zainab Zubairi	Institute of Knowledge Middle School	Recognition J0614	<i>Fiery Fabrics: Unraveling the Impact of Fabric Softener on the Flammability of Textiles</i>
	<i>Selena Khan</i>	Split group: -	
CHEMISTRY - GENERAL - JR J07			
Elle Shepela	Saint Martin of Tours Elementary School	First Place J0704	<i>Glucose in Apples</i>
	<i>Mohammad Ashas</i>	Split group: -	
Cormac Malloy	St. Timothy School	Second Place J0701	<i>The best water filters: Homemade vs. store bought</i>
	<i>Christy Novak</i>	Split group: -	
Ellie Chang	Stratford School	Third Place J0703	<i>Pods compared to non-concentrated dish soap</i>
	<i>Jett del Mundo</i>	Split group: -	
Adalina Alshurbaji Madina Parwani	Islamic Center of Claremont School (ICCS)	Recognition J0705	<i>Which Salt Allows for the Best Crystal Formation to Occur?</i>
	<i>Samraa Smadi</i>	Split group: -	

Douglas Trinh Dylan McMullen	Pomona Unified School District Junior Division <i>bridget gardea</i>	Recognition J0702 Split group: -	<i>Crushing Cans With Air Pressure</i>
EARTH / SPACE SCIENCES - JR J08			
Melissa Meneses	Magnolia Science Academy 6 <i>Sarah Kim</i>	First Place J0806 Split group: -	<i>Heat Up! Water Temperature in Solar Oven</i>
Hayes Elbert	Hale Charter Academy STEAM Magnet <i>Joanne Ramirez</i>	Second Place J0803 Split group: -	<i>Are Horizontal Windmills more efficient than Vertical Windmills?</i>
Sara Ziyad	Institute of Knowledge Middle School <i>Selena Khan</i>	Third Place J0805 Split group: -	<i>Tumbling Through Space: How Does Speed Affect Orbiting Altitude?</i>
Amelia Sarkisian Ramsey Sarkisian Haley Simon	Brentwood School - Junior Division <i>Aidyl Gonzalez-Serricchio</i>	Honorable Mention J0802 Split group: -	<i>No Glo Radiation-Protective Garments: Carbon-Fiber Filament Meshed in Fabric - the Way to Reduce Natural Radiation Exposure</i>
ECOLOGY - JR J09			
Beau Cartwright	Archer School for Girls - Junior Division <i>Jerilyn Neshek</i>	First Place J0907 Split group: -	<i>Effects of glyphosate-based roundup on gonad mass and cellular structure in freshwater mussels</i>
Guthrie Luke Daisy Luke	Portola Highly Gifted Magnet <i>Ruth Gramajo</i>	Second Place J0909 Split group: -	<i>The True Cost of Disposable Diapers</i>
Francis Lawton	St. Timothy School <i>Christy Novak</i>	Third Place J0906 Split group: -	<i>Water is Water is Water</i>
Sophie Herbert Jacqueline Mayne	Archer School for Girls - Junior Division <i>Jerilyn Neshek</i>	Honorable Mention J0901 Split group: -	<i>Deadly algae: How fertilizers create algae blooms and decrease dissolved oxygen levels</i>
Ariel Hopenstand	Temple Beth Am Pressman Academy <i>Monica Hall</i>	Honorable Mention J0902 Split group: -	<i>Sea Change</i>
Hovannes Benneian	C. & E. Merdinian Armenian Evangelical School <i>Fredrick Sayadian</i>	Recognition J0911 Split group: -	<i>Rethink Your Drink!</i>

Norah Fuad	Al-Huda Islamic School	Recognition J0910	<i>Disinfecting Undrinkable Water with Sunlight.</i>
	<i>Rula Alshanableh</i>	Split group: -	
Leon Hairabdian	Chamlian Armenian School	Recognition J0904	<i>How Does Your Location Affect Air Quality?</i>
	<i>lida Gevorkian</i>	Split group: -	
Shaheer Hashmi	Institute of Knowledge Middle School	Recognition J0908	<i>Chilling Out Sustainably: The Quest for an Affordable and Eco-Friendly Cooling Solution</i>
	<i>Selena Khan</i>	Split group: -	
Ranjana Sathish	Hale Charter Academy STEAM Magnet	Recognition J0905	<i>How does Supplemental Carbon Dioxide Affect Algae Growth?</i>
	<i>Joanne Ramirez</i>	Split group: -	
Mason Whittemore	Walter Reed Middle School	Recognition J0903	<i>Unclear Contamination</i>
	<i>Joyann Sofio</i>	Split group: -	
ENGINEERING APPLICATIONS - JR J10			
Naira Badalyan	The Science Academy STEM Magnet	First Place J1001	<i>3D > 2D: Nonplanar Solar Panels to Increase Surface Area and Efficiency</i>
	<i>Flavia DiMonaco</i>	Split group: A	
Anna Schofield	Walter Reed Middle School	First Place J1003	<i>Trussworthy?</i>
	<i>Joyann Sofio</i>	Split group: A	
Danielle Tsao	The Science Academy STEM Magnet	First Place J1028	<i>How much more power can a solar panel capture from the sun by using an active tracking system?</i>
	<i>Flavia DiMonaco</i>	Split group: B	
Ilinca Sasu	Portola Highly Gifted Magnet	Second Place J1017	<i>How Does the Size of the Filament Affect the Brightness of the Bulb and the Time it Takes to Burn Out?</i>
	<i>Ruth Gramajo</i>	Split group: A	
Sai Tej Chikati	Oak Hills Elementary	Second Place J1040	<i>The Robotic Helping Hand</i>
	<i>Jarrold Henry</i>	Split group: B	
Shahrzad Dardashti Evelyn Kruger	Beverly Vista Middle School	Third Place J1018	<i>Decentralize Desalination</i>
	<i>Michael Sherman</i>	Split group: A	
Severine Welsh	Portola Highly Gifted Magnet	Third Place J1049	<i>When the Nose Doesn't Know</i>
	<i>Ruth Gramajo</i>	Split group: B	

Arpi Hokyhkyan	C. & E. Merdianian Armenian Evangelical School <i>Fredrick Sayadian</i>	Honorable Mention J1002 Split group: A	<i>Build a heart rate monitor</i>
Nick Honda	Palos Verdes Intermediate School <i>Julie Munoz</i>	Honorable Mention J1016 Split group: A	<i>Fog Collection for Agricultural Irrigation</i>
Coco Sakuma	Rudecinda Sepulveda Dodson Gifted Magnet Middle School <i>Teresa Aki</i>	Honorable Mention J1011 Split group: A	<i>Stop Building Damages Using Earthquake-resistant Supporters</i>
Katia Thomas Pasha Selig	Archer School for Girls - Junior Division <i>Jerilyn Neshek</i>	Honorable Mention J1007 Split group: A	<i>Building an Aerodynamic, Sustainable Steam Engine</i>
Kayla Arvizu Paria Vahdat	The Science Academy STEM Magnet <i>Flavia DiMonaco</i>	Honorable Mention J1031 Split group: B	<i>Water On The Go: Creating an Emergency Water Filter</i>
Maliyah Bass	Ross Academy of Creative and Media Arts Middle School <i>Oscar Espinoza</i>	Honorable Mention J1050 Split group: B	<i>Dealing with Diabetes: The Process Of Developing an Artificial Pancreas</i>
Leila Boles	Incarnation Parish School <i>Anna Anderson</i>	Honorable Mention J1032 Split group: B	<i>Amazing Origami: Fold into Function</i>
Liam OBrient	Turning Point School <i>Matthew KLine</i>	Honorable Mention J1042 Split group: B	<i>A shocking solution to the drought: a foolproof timer circuit for greywater systems</i>
Davit Abgaryan	C. & E. Merdianian Armenian Evangelical School <i>Fredrick Sayadian</i>	Recognition J1012 Split group: A	<i>Rc blimp</i>
Yanar Akoshali	New Horizon School <i>Kavitha Satya</i>	Recognition J1009 Split group: A	<i>Constructing a Solar Water Heater and Testing its Efficiency in Heating Water From a Hose.</i>
Christopher Avila Giovany Santos Eduardo Sanchez	Montebello Intermediate School <i>Karina Aragon</i>	Recognition J1010 Split group: A	<i>ZA Bullet</i>
Vienna Carlin	Montebello Intermediate School <i>Karina Aragon</i>	Recognition J1023 Split group: A	<i>The Handy Hand</i>

Harley Carmona-Gonzalez Moises Escobar	Montebello Intermediate School	Recognition J1022	<i>Magnetos GLove</i>
	<i>Karina Aragon</i>	Split group: A	
John Erikson	Miraleste Intermediate School	Recognition J1020	<i>Device for Efficient Measuring of Solar Power</i>
	<i>Julie Munoz</i>	Split group: A	
Darett Estrada	Montebello Intermediate School	Recognition J1004	<i>Need A Leg?</i>
	<i>Karina Aragon</i>	Split group: A	
Michelle Garcia	Montebello Intermediate School	Recognition J1024	<i>Bicycle Ice Cream</i>
	<i>Karina Aragon</i>	Split group: A	
Irene Kwon Noreen Ahmed Heather Choi	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Recognition J1019	<i>Oil Filtering from Water</i>
	<i>Teresa Aki</i>	Split group: A	
Bilal Mala	Islamic Center of Claremont School (ICCS)	Recognition J1026	<i>If More Light is Concentrated on a Solar Light Will it Produce More Electricity and Allow Items to Charge Faster?</i>
	<i>Samraa Smadi</i>	Split group: A	
Jonathan Nunez	Montebello Intermediate School	Recognition J1015	<i>Space cleaners</i>
	<i>Karina Aragon</i>	Split group: A	
Valeri Petrosyan	The Science Academy STEM Magnet	Recognition J1021	<i>The Fuel of the Future: Harvesting Biofuel from Algae</i>
	<i>Flavia DiMonaco</i>	Split group: A	
Elise Sarmiento Joshua Park Kayla Wang	Rudecinda Sepulveda Dodson Middle School	Recognition J1005	<i>The Auto-Crate</i>
	<i>Wilmer Sarmiento</i>	Split group: A	
Sara Schneider	C. & E. Merdinian Armenian Evangelical School	Recognition J1008	<i>Robot Arm</i>
	<i>Fredrick Sayadian</i>	Split group: A	
Ibrahim Shawky	New Horizon School	Recognition J1006	<i>Designing a Comfortable Bike Seat</i>
	<i>Kavitha Satya</i>	Split group: A	
Cody Smith	The Science Academy STEM Magnet	Recognition J1014	<i>Changing Concrete: A Resourceful Approach to Construction by Using Different Materials</i>
	<i>Flavia DiMonaco</i>	Split group: A	

Charles Wittnebel	Saint Martin of Tours Elementary School	Recognition J1025	<i>Better Living Through DIY Air Filtration</i>
	Mohammad Ashas	Split group: A	
Travis Bader Doviel Lugo	Miraleste Intermediate School	Recognition J1029	<i>Using Modularity to Make Everyday Items More Efficient</i>
	Julie Munoz	Split group: B	
Meryem Bellabouah	Rudecinda Sepulveda Dodson Middle School	Recognition J1036	<i>The Pi Plant</i>
	Wilmer Sarmiento	Split group: B	
Nathaniel Carnow	Ross Academy of Creative and Media Arts Middle School	Recognition J1051	<i>Hand Washing Timer</i>
	Oscar Espinoza	Split group: B	
Natalie Conde Osorio	Magnolia Science Academy 6	Recognition J1046	<i>Cue the Signal</i>
	Sarah Kim	Split group: B	
Kenneth Diaz	Magnolia Science Academy 6	Recognition J1039	<i>The Rotor Rivalry</i>
	Sarah Kim	Split group: B	
Noah Eisner Noah Revzen	New Roads School	Recognition J1043	<i>Portable Self-Powered Induction Stove</i>
	Daniel Figueroa	Split group: B	
Donovan fuentes	Montebello Intermediate School	Recognition J1034	<i>Solar panel car</i>
	Karina Aragon	Split group: B	
Ruben Lavi Lilit Manvelyan	St. Gregory A. & M. Hovsepien School	Recognition J1047	<i>Railroad Trash Vacuum</i>
	Shakeh Haroutiounian	Split group: B	
Nathan Loza	Montebello Intermediate School	Recognition J1038	<i>Hydro-Power!</i>
	Karina Aragon	Split group: B	
Emma Melgoza	Montebello Intermediate School	Recognition J1035	<i>Fiddler Prevention Team</i>
	Karina Aragon	Split group: B	
David Melkonyan	C. & E. Merdinian Armenian Evangelical School	Recognition J1030	<i>Point of a Parabola</i>
	Fredrick Sayadian	Split group: B	

Samuel Menashe	Temple Beth Am Pressman Academy	Recognition J1048	<i>Discover The Hover</i>
	Monica Hall	Split group: B	
Itzel Narez Sophia Apolinar	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Recognition J1045	<i>Determining the Viability of Using Recycled Bottles to Make Trash Cans</i>
	Teresa Aki	Split group: B	
Colin Sweeney	Sierra Madre Middle School	Recognition J1027	<i>What mask best blocks a sneeze?</i>
	Ravi Dev Anandhan	Split group: B	
Vinayan Tiruvellore Gautham Korrapati Daniel Garcia	Rio Norte Junior High School	Recognition J1044	<i>Self Sufficient Garden: A Green Dream Come True</i>
	Stephanie Madrid	Split group: B	
Ma'Kyla Whitaker	Los Angeles Academy Middle School	Recognition J1037	<i>Solar-powered Kart</i>
	Cynthia Moss	Split group: B	
ENGINEERING RESEARCH - JR J11			
Julietta Hutt	Sierra Madre Middle School	First Place J1107	<i>What Effect Does Speaker Enclosure Size Have on Bass Frequency Response?</i>
	Ravi Dev Anandhan	Split group: -	
Andreas Eitel	Oak Hills Elementary	Second Place J1105	<i>Retrofitting Existing Bridges to Enhance their Earthquake Resistance</i>
	Jarrod Henry	Split group: -	
Braden Chou	Pomona Unified School District Junior Division	Third Place J1109	<i>What Materials Block Wi- Fi?</i>
	bridget gardea	Split group: -	
Ismael Abdul-Matin	New Horizon School	Honorable Mention J1113	<i>Calculating the amount and worth of precious metals in electronic waste (e-waste)</i>
	Kavitha Satya	Split group: -	
Nolan Vuong Vikraant Gianchandani	Palos Verdes Intermediate School	Honorable Mention J1102	<i>Building Better Bridges.</i>
	Julie Munoz	Split group: -	
Justin Baek	Palos Verdes Intermediate School	Recognition J1114	<i>Using Volcanoes to Generate Energy</i>
	Julie Munoz	Split group: -	
David Diaz	Mark Twain Middle School	Recognition J1106	<i>What Effects Do Different Liquids Have On A Hydraulic Press?</i>
	Jenny Burman	Split group: -	

Eshal Janjua	Institute of Knowledge Middle School <i>Selena Khan</i>	Recognition J1108 Split group: -	<i>The Girl Who Harnessed the Wind: Which Blade Design in a Windmill Effectively Produces the Most Electricity?</i>
Benjamin Ramirez	Pomona Unified School District Junior Division <i>bridget gardea</i>	Recognition J1103 Split group: -	<i>Fantastic Cars</i>
elijah ruiz Isabella Chinn Damian Acosta	Montebello Intermediate School <i>Karina Aragon</i>	Recognition J1115 Split group: -	<i>DIY water bottle light bulb</i>
Vivien Shang	Mirman School <i>Andrea Peoples Marwah</i>	Recognition J1104 Split group: -	<i>A device to eliminate D. citri</i>
Anita Tierney Bernadette Tominna	Saint Monica Academy <i>Sorab Ghandhi</i>	Recognition J1101 Split group: -	<i>Hydraulics: Air vs. Water</i>
ENVIRONMENTAL MANAGEMENT - JR J12			
Leonna Torosyan	La Canada Preparatory <i>Steve Miller</i>	First Place J1219 Split group: A	<i>Reduce, Reuse, Recycle</i>
Arman Sharif	Institute of Knowledge Middle School <i>Selena Khan</i>	First Place J1230 Split group: B	<i>Caution: Worms at Work! An Investigation in the Use of Vermiculture (G. mellonella and T. molitor) in the Biodegradation of Polystyrene</i>
Kaihann Hashimi	New Horizon School <i>Kavitha Satya</i>	Second Place J1214 Split group: A	<i>Using Orange Peel Polymer for Moisture Conservation and Growth of Snap Peas (Pisum sativum)</i>
Claire Crane	Walter Reed Middle School <i>Joyann Sofio</i>	Second Place J1237 Split group: B	<i>Greywater: YAYwater or NAYwater?</i>
Yumna Kazi	Al-Huda Islamic School <i>Rula Alshanableh</i>	Third Place J1210 Split group: A	<i>Cover It Up! Exploring Which Ground Cover Best Stops Soil Erosion.</i>
Summer Kniffin	Ridgecrest Intermediate School <i>Julie Munoz</i>	Third Place J1228 Split group: B	<i>Sand Temperature and Turtle Gender</i>

Zohra Alam	Sierra Vista Junior High School	Honorable Mention J1218	<i>Protecting Plants from Acid Rain</i>
	<i>Shauna Davis</i>	Split group: A	
Asha Parry	Archer School for Girls - Junior Division	Honorable Mention J1205	<i>Arsenic in Drinking Water: Comparing Arsenic Levels in Different Socioeconomic Neighborhoods of Los Angeles</i>
	<i>Jerilyn Neshek</i>	Split group: A	
Stella Tesoriero	Saint Martin of Tours Elementary School	Honorable Mention J1209	<i>Drip Irrigation Systems: Which One Works Best?</i>
	<i>Mohammad Ashas</i>	Split group: A	
Prateek Dorepally	Hale Charter Academy STEAM Magnet	Honorable Mention J1235	<i>Is Water Powered Energy the Future of Fuel?</i>
	<i>Joanne Ramirez</i>	Split group: B	
Amy Jackson	Sierra Vista Junior High School	Honorable Mention J1231	<i>Worms, Worms are Everywhere : A study of Solutions To our Planets Plastic Problems.</i>
	<i>Shauna Davis</i>	Split group: B	
Elijah Lee	St. Timothy School	Honorable Mention J1223	<i>SOS- Save Our Soil!</i>
	<i>Christy Novak</i>	Split group: B	
Jonathan Svilik Ethan Kang	The Science Academy STEM Magnet	Honorable Mention J1234	<i>Water Works: A Solar Desalination Chamber</i>
	<i>Flavia DiMonaco</i>	Split group: B	
Yuvanah Vignesh Sathvi Reddy	Rosemont Middle School	Honorable Mention J1229	<i>Increasing the life span of solar panels</i>
	<i>Suzanne Risse</i>	Split group: B	
Melina Ajami	Palos Verdes Intermediate School	Recognition J1215	<i>Prevention of Carbon Dioxide in Our Atmosphere</i>
	<i>Julie Munoz</i>	Split group: A	
Ari Armenian	Chamlan Armenian School	Recognition J1213	<i>Methods of Desalination</i>
	<i>Iida Gevorkian</i>	Split group: A	
Dean Choi	Ridgecrest Intermediate School	Recognition J1202	<i>Aquifire</i>
	<i>Julie Munoz</i>	Split group: A	
Colton Engle	St. Timothy School	Recognition J1216	<i>Magnet Power</i>
	<i>Christy Novak</i>	Split group: A	

Samantha Glasgow	Sierra Vista Junior High School	Recognition J1212	<i>Washing Machines And Their Impact On Oceans.</i>
	<i>Shauna Davis</i>	Split group: A	
Thomas Gregor	Rudecinda Sepulveda Dodson Middle School	Recognition J1204	<i>More Efficient Solar Panels</i>
	<i>Wilmer Sarmiento</i>	Split group: A	
Jhiliane Ibatuan	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Recognition J1217	<i>The Prevention of Air Pollution: What Effect Does Soil Have on Air Pollution?</i>
	<i>Teresa Aki</i>	Split group: A	
Arthur Kostikyan	Sierra Madre Middle School	Recognition J1201	<i>Do different types of water pollution affect algae growth?</i>
	<i>Ravi Dev Anandhan</i>	Split group: A	
Raga Hansika Kotthru	Hale Charter Academy STEAM Magnet	Recognition J1208	<i>What is the best way to use a Solar Powered water Desalination device?</i>
	<i>Joanne Ramirez</i>	Split group: A	
Shivani Mohindra	Rudecinda Sepulveda Dodson Middle School	Recognition J1203	<i>How Does the pH Level of Water Affect the Growth of French Marigolds?</i>
	<i>Wilmer Sarmiento</i>	Split group: A	
Neelima Panicker	Hale Charter Academy STEAM Magnet	Recognition J1207	<i>What is the best natural way to remove microplastics from water?</i>
	<i>Joanne Ramirez</i>	Split group: A	
Blaise Smurda	Saint Martin of Tours Elementary School	Recognition J1206	<i>What is the best method of water purification?</i>
	<i>Mohammad Ashas</i>	Split group: A	
Samuel Abraham	Ridgecrest Intermediate School	Recognition J1236	<i>Simple Water Desalination</i>
	<i>Julie Munoz</i>	Split group: B	
Leona Aiba Rei Otsubo Micah Terashima	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Recognition J1220	<i>Natural Resource Filtration</i>
	<i>Teresa Aki</i>	Split group: B	
Vem Boynerian	Chamlan Armenian School	Recognition J1221	<i>Testing Radiation Emitted from Electronics in Certain Conditions</i>
	<i>Iida Gevorkian</i>	Split group: B	
Jerry Delgado	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Recognition J1224	<i>How Solar Powered Chromebook Chargers can Lower Carbon Emissions</i>
	<i>Teresa Aki</i>	Split group: B	

Noah Figueroa Jordin Luciano Mariella Rosalado	Rudecinda Sepulveda Dodson Middle School	Recognition J1225	<i>Cleaning Schools and Pools</i>
	<i>Wilmer Sarmiento</i>	Split group: B	
Daniel Kim	Incarnation Parish School	Recognition J1238	<i>Making your own water filter</i>
	<i>Anna Anderson</i>	Split group: B	
James Kinsella	New Roads School	Recognition J1233	<i>Desalinating water</i>
	<i>Daniel Figueroa</i>	Split group: B	
Shayon Roy	Rosemont Middle School	Recognition J1226	<i>Let's save water</i>
	<i>Suzanne Risse</i>	Split group: B	
Angeleslie Vergel de Dios	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Recognition J1232	<i>SFS Water Filter</i>
	<i>Teresa Aki</i>	Split group: B	

MATERIALS SCIENCE - JR J13

Ilia Ghatei	Hale Charter Academy STEAM Magnet	First Place J1318	<i>Improving urban life by 24.67%. Stronger/safer roads and buildings by just adding a simple material to concrete mixture.</i>
	<i>Joanne Ramirez</i>	Split group: -	
Isabella Gonzalez	Rudecinda Sepulveda Dodson Middle School	Second Place J1319	<i>Determining which Metals or Alloys are Most Corrosion Resistant to Saltwater</i>
	<i>Wilmer Sarmiento</i>	Split group: -	
Troy Song	Walter Reed Middle School	Third Place J1307	<i>Atmospheric Energy</i>
	<i>Joyann Sofio</i>	Split group: -	
Micah Clauson	Sierra Madre Middle School	Honorable Mention J1317	<i>Which type of insulation works best in homes</i>
	<i>Ravi Dev Anandhan</i>	Split group: -	
Luke Girardi	Portola Highly Gifted Magnet	Honorable Mention J1311	<i>What Liquid Reflects the Most Light</i>
	<i>Ruth Gramajo</i>	Split group: -	
Lucinda Lee	Walter Reed Middle School	Honorable Mention J1310	<i>Insulate It!</i>
	<i>Joyann Sofio</i>	Split group: -	
James Ting	St. Timothy School	Honorable Mention J1315	<i>Saving Spoiled Shorelines</i>
	<i>Christy Novak</i>	Split group: -	

Natalie Adeva	Ross Academy of Creative and Media Arts Middle School <i>Oscar Espinoza</i>	Recognition J1309 Split group: -	<i>Real Gold?</i>
Nishita Bhakta	Ross Academy of Creative and Media Arts Middle School <i>Oscar Espinoza</i>	Recognition J1304 Split group: -	<i>How Does The Sun Affect Paint?</i>
Corey Dehlinger	Ross Academy of Creative and Media Arts Middle School <i>Oscar Espinoza</i>	Recognition J1303 Split group: -	<i>How Does the Type of Material Affect the Distance of an Object?</i>
Orion Gainsforth	Delphi Academy of Los Angeles <i>Cindy Gainsforth</i>	Recognition J1305 Split group: -	<i>How do I fold thee? Let me count the ways!</i>
Luca Jarjoura	New Roads School <i>Daniel Figueroa</i>	Recognition J1313 Split group: -	<i>Science of Water Filtration</i>
Emmalynn Mounivong	Ross Academy of Creative and Media Arts Middle School <i>Oscar Espinoza</i>	Recognition J1312 Split group: -	<i>Glowstick Mania</i>
Antonio Navarro	St. Timothy School <i>Christy Novak</i>	Recognition J1314 Split group: -	<i>Radiation Shield</i>
Amielle Jubilee Niere	Rudecinda Sepulveda Dodson Gifted Magnet Middle School <i>Teresa Aki</i>	Recognition J1316 Split group: -	<i>Measuring The Quality Of Different Fabrics</i>
Tvisha Premjith	Oak Hills Elementary <i>Jarrold Henry</i>	Recognition J1306 Split group: -	<i>How does color affect heating by light absorption</i>
Zoe Silberstein	Temple Beth Am Pressman Academy <i>Monica Hall</i>	Recognition J1302 Split group: -	<i>Which Brand of Bottled Water is "Purest"</i>

MATHEMATICS & COMPUTER SCIENCES - JR J14

Pranav Arunachalam	Rosemont Middle School <i>Suzanne Risse</i>	First Place J1403 Split group: -	<i>Pneumonia and Covid Detection on CXR Images using Deep Learning</i>
Henry Huang	Ridgecrest Intermediate School <i>Julie Munoz</i>	Second Place J1402 Split group: -	<i>Training AI To Play Tennis</i>

Minghao Guo	Portola Highly Gifted Magnet	Third Place J1408	Development of a Smart Traffic Light Algorithm for Traffic Control
	Ruth Gramajo	Split group: -	
Daniel Hong	Palos Verdes Intermediate School	Honorable Mention J1409	Vex Robotics Autonomous Code
	Julie Munoz	Split group: -	
Evelyn Gelman	Hale Charter Academy STEAM Magnet	Recognition J1401	How Accurate Is Artificial Intelligence?
	Joanne Ramirez	Split group: -	
Anderson Gomez	Magnolia Science Academy 6	Recognition J1410	Speeding Surface Area!
	Sarah Kim	Split group: -	
Youcef Hafid	Al-Huda Islamic School	Recognition J1404	Identifying Dog Breeds
	Rula Alshanableh	Split group: -	
Viggo Magunna	New Roads School	Recognition J1406	The limits of AI's human voice recognition
	Daniel Figueroa	Split group: -	
Aditya Velusamy	Sierra Madre Middle School	Recognition J1405	What is the most efficient YOLOv5 AI model when detecting vehicles?
	Ravi Dev Anandhan	Split group: -	
Tianqi Wu	Palos Verdes Intermediate School	Recognition J1407	Testing Neural Networks
	Julie Munoz	Split group: -	
MICROBIOLOGY - JR J15			
Madeleine Martinez Park	Portola Highly Gifted Magnet	First Place J1508	Can Noctiluca Scintillans Be Used To Make An Affordable, Eco-Friendly, Non-Electric Lamp?
	Ruth Gramajo	Split group: -	
Mirsolih Agzamov	New Horizon School	Second Place J1504	The Effect of Different Temperatures on Yeast Fermentation
	Kavitha Satya	Split group: -	
farah Sandoval	Archer School for Girls - Junior Division	Third Place J1503	You cannot B. Cereus: Bacteria growth at school
	Jerilyn Neshek	Split group: -	
Noor Ahmad	Al-Huda Islamic School	Recognition J1510	Identifying the Limits to the Growth of Bacteria under Various Temperatures.
	Rula Alshanableh	Split group: -	

Alex Charette	Hale Charter Academy STEAM Magnet	Recognition J1501	<i>Does a toothbrush cap really limit bacteria growth on a toothbrush head?</i>
	<i>Joanne Ramirez</i>	Split group: -	
Conor Durcan	Saint Martin of Tours Elementary School	Recognition J1502	<i>Testing Bacteria Levels in Different Water Environments</i>
	<i>Mohammad Ashas</i>	Split group: -	
Suhaa Hamdan Noor Sidky	Al-Huda Islamic School	Recognition J1505	<i>Bee Gone! A Study on the Antibacterial Properties of Bee Propolis.</i>
	<i>Rula Alshanableh</i>	Split group: -	
Sena Hokugo Ione McLain	The Science Academy STEM Magnet	Recognition J1506	<i>Which Hand-Cleaning Products Are Most Effective When Trying to Remove Germs From the Hands?</i>
	<i>Flavia DiMonaco</i>	Split group: -	
Allison O'Boyle	Archer School for Girls - Junior Division	Recognition J1507	<i>Is it Safe to Swim?</i>
	<i>Jerilyn Neshek</i>	Split group: -	
Jiya Patel	Portola Highly Gifted Magnet	Recognition J1509	<i>Comparing the Antimicrobial Effects of Amoxicillin, Penicillin and Vancomycin to Forms of Natural Medicine on E-coli Bacteria.</i>
	<i>Ruth Gramajo</i>	Split group: -	

PHARMACOLOGY - JR J16

Ella Tulloch	Archer School for Girls - Junior Division	First Place J1611	<i>Battling with Broccoli: The effects of sulforaphane on oxidative stress in C. elegans</i>
	<i>Jerilyn Neshek</i>	Split group: -	
Charlotte Kamdar	Archer School for Girls - Junior Division	Second Place J1608	<i>Saffron VS Cancer: How Saffron affects the Regeneration of Neoblasts in Planaria</i>
	<i>Jerilyn Neshek</i>	Split group: -	
Hana Cho	Archer School for Girls - Junior Division	Third Place J1604	<i>Effect of common antibiotics (Penicillin, ampicillin, and neomycin) on gram-positive (Bacillus subtilis) and gram-negative (E. coli) bacteria</i>
	<i>Jerilyn Neshek</i>	Split group: -	
Talia Boghossian	Chamlan Armenian School	Honorable Mention J1605	<i>Can Resveratrol and Drosophila Melanogaster Help Us Live Healthier and Longer?</i>
	<i>Iida Gevorkian</i>	Split group: -	
Yasmine Labesh	Islamic Center of Claremont School (ICCS)	Honorable Mention J1602	<i>Which Cramp Medication Dissolves the Fastest in White Vinegar?</i>
	<i>Samraa Smadi</i>	Split group: -	

Makana Vega	Miraleste Intermediate School	Honorable Mention J1601	<i>The Affect of Solubility on Painkillers</i>
	<i>Julie Munoz</i>	Split group: -	
Arhum Mirza	Institute of Knowledge Middle School	Recognition J1606	<i>Defeat the Unseen: Developing a Pathway to Help the Blind Navigate</i>
	<i>Selena Khan</i>	Split group: -	
Abigail Moeller	Ross Academy of Creative and Media Arts Middle School	Recognition J1610	<i>pH with Pills</i>
	<i>Oscar Espinoza</i>	Split group: -	
Samuel Paik-Heintz Prianna Singhania	Mark Twain Middle School	Recognition J1609	<i>The Viability of Bacteriophage Treatment for E. Coli</i>
	<i>Jenny Burman</i>	Split group: -	
Yaser Syed	New Horizon School	Recognition J1607	<i>Comparing the Dissolution Rate of Tylenol</i>
	<i>Kavitha Satya</i>	Split group: -	

PHYSICS - AERODYNAMICS/HYDRODYNAMICS - JR J17

Maximus Piersol	Hale Charter Academy STEAM Magnet	First Place J1709	<i>What is the Effect of Weather On The Stall Point of a Wing?</i>
	<i>Joanne Ramirez</i>	Split group: -	
Zach Matise	St. Timothy School	Second Place J1714	<i>Set Sail: Which Weirdly Shaped Sail Will Be the Best?</i>
	<i>Christy Novak</i>	Split group: -	
Nikolas Navarro	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Third Place J1701	<i>Rocket Aerodynamics</i>
	<i>Teresa Aki</i>	Split group: -	
Anthony Bangayan	Chaminade Middle School	Honorable Mention J1702	<i>Nerf Blasting Barrels: Do Nerf Barrels Actually Work?</i>
	<i>Robert Jones</i>	Split group: -	
Natalie Lopez-Martinez	Magnolia Science Academy 6	Honorable Mention J1710	<i>Hydraulic Lifts</i>
	<i>Sarah Kim</i>	Split group: -	
Aditi Mahajan	Portola Highly Gifted Magnet	Honorable Mention J1704	<i>How Does the Diameter of an Artery and Plaque Build-up Affect the Rate of Blood Flow in an Artery?</i>
	<i>Ruth Gramajo</i>	Split group: -	
Grecia Bonilla Emilia Gonzales	Pomona Unified School District Junior Division	Recognition J1705	<i>Parachute Drop Bomb</i>
	<i>bridget gardea</i>	Split group: -	

Janelle Elias	Magnolia Science Academy 6	Recognition J1703	<i>Flight C</i>
	<i>Sarah Kim</i>	Split group: -	
Ethan Gallegos	Pomona Unified School District Junior Division	Recognition J1713	<i>Air Resistance Fabrics</i>
	<i>bridget gardea</i>	Split group: -	
Lev Marmer Jadon Geer	Temple Beth Am Pressman Academy	Recognition J1707	<i>The Grand Splash</i>
	<i>Monica Hall</i>	Split group: -	
Namya Mehra	Sierra Madre Middle School	Recognition J1706	<i>How Do Air Pressure and Speed Impact the Collision of Two Objects?</i>
	<i>Ravi Dev Anandhan</i>	Split group: -	
Adam Naseer	Institute of Knowledge Middle School	Recognition J1715	<i>Heaving the Limit: Designing Boats to Bear the Load - An Investigation into the Key Factors that Support Maximum Cargo Weight</i>
	<i>Selena Khan</i>	Split group: -	
Kc Pagaduan	Ross Academy of Creative and Media Arts Middle School	Recognition J1708	<i>Tornado in a Box</i>
	<i>Oscar Espinoza</i>	Split group: -	
Iago Parry	New Roads School	Recognition J1716	<i>Parachutes to the Rescue: Investigating the relationship between area of parachute, payload mass and terminal velocity</i>
	<i>Daniel Figueroa</i>	Split group: -	
Leo Powell	Walter Reed Middle School	Recognition J1711	<i>Music: Making Waves in Science</i>
	<i>Joyann Sofio</i>	Split group: -	
Owen Yeh	Ridgecrest Intermediate School	Recognition J1712	<i>Comparing Paper Airplane Designs for the Best Aerodynamics</i>
	<i>Julie Munoz</i>	Split group: -	
PHYSICS - ELECTRICITY & MAGNETISM - JR J18			
Sophia Martin	Chamlian Armenian School	First Place J1809	<i>Comparison of Electromagnetic Fields Emitted from Various Objects</i>
	<i>Iida Gevorkian</i>	Split group: -	
Elenka Odorczuk	Pomona Unified School District Junior Division	Second Place J1803	<i>Electric Energy from Household Items</i>
	<i>bridget gardea</i>	Split group: -	

Yasmeen Hawa	Islamic Center of Claremont School (ICCS)	Third Place J1806 Split group: -	<i>Magnetic Fruit</i>
	<i>Samraa Smadi</i>		
Eduardo Diaz	Magnolia Science Academy 6	Honorable Mention J1810 Split group: -	<i>1,2,3...SCATTER!</i>
	<i>Sarah Kim</i>		
Elle Hong	Walter Reed Middle School	Honorable Mention J1801 Split group: -	<i>Attraction Action!</i>
	<i>Joyann Sofio</i>		
Emmanuel Morales	Magnolia Science Academy 6	Honorable Mention J1802 Split group: -	<i>Protection Against an RFID Reader</i>
	<i>Sarah Kim</i>		
Joseph Cru	Holy Angels School	Recognition J1812 Split group: -	<i>Testing the conductivity of different liquids</i>
	<i>Araceli Galvez</i>		
Arsha Farkhondeh	Hale Charter Academy STEAM Magnet	Recognition J1811 Split group: -	<i>How to Generate More Electricity?</i>
	<i>Joanne Ramirez</i>		
Kamala Karimova	New Horizon School	Recognition J1805 Split group: -	<i>Which Fruit Conducts the Most Voltage?</i>
	<i>Kavitha Satya</i>		
Peter Shanoian	C. & E. Merdinian Armenian Evangelical School	Recognition J1804 Split group: -	<i>Simple Electric Motor: Which is the best power source?</i>
	<i>Fredrick Sayadian</i>		
PHYSICS - GENERAL - JR J19			
Aude Ste-Croix Hamazaki	Oak Hills Elementary	First Place J1906 Split group: -	<i>s-ICE-mulator</i>
	<i>Jarrod Henry</i>		
Charles Huang	Portola Highly Gifted Magnet	Second Place J1910 Split group: -	<i>The Relativistic Kinematics of Muon Decay: A Measurement of Muon Lifetime and Speed</i>
	<i>Ruth Gramajo</i>		
Walker Ehrich	Saint Martin of Tours Elementary School	Third Place J1901 Split group: -	<i>To bounce or not to Bounce</i>
	<i>Mohammad Ashas</i>		
Ashalina Bholat	Al-Huda Islamic School	Honorable Mention J1905 Split group: -	<i>It's Free, Free Falling! Does the Mass of an Object Affect the Speed by Which it Falls?</i>
	<i>Rula Alshanableh</i>		

Lyric Rivera	Pomona Unified School District Junior Division	Honorable Mention J1903 Split group: -	<i>LEGO Drop Experiment</i>
	<i>bridget gardea</i>		
Raadiya Sabah	Rudecinda Sepulveda Dodson Middle School	Honorable Mention J1911 Split group: -	<i>Automatic Street Light</i>
	<i>Wilmer Sarmiento</i>		
Anabelle Viljoen Avery Yu	Ridgecrest Intermediate School	Honorable Mention J1912 Split group: -	<i>Analyzing the Refraction and Reflection of Light</i>
	<i>Julie Munoz</i>		
Joseph Agustin	Magnolia Science Academy 6	Recognition J1909 Split group: -	<i>Catapult Power</i>
	<i>Sarah Kim</i>		
Emma Dishoyan	C. & E. Merdianian Armenian Evangelical School	Recognition J1904 Split group: -	<i>What Ever Floats My Boat</i>
	<i>Fredrick Sayadian</i>		
Evan Grady	St. Timothy School	Recognition J1907 Split group: -	<i>Temperatures impact on how far a ball travels</i>
	<i>Christy Novak</i>		
Karen Ter-Arsenyan	C. & E. Merdianian Armenian Evangelical School	Recognition J1908 Split group: -	<i>What makes ice melt faster</i>
	<i>Fredrick Sayadian</i>		

PLANT BIOLOGY & PHYSIOLOGY - JR J20

Gaia Bhavsar	Archer School for Girls - Junior Division	First Place J2003 Split group: A	<i>Fueled by algae: Determining which type of algae produces the most oil that can be used for biodiesel to power modes of transportation</i>
	<i>Jerilyn Neshek</i>		
Sahel Munshi	Portola Highly Gifted Magnet	First Place J2023 Split group: B	<i>Heavy Metals Alter Plant Development and Physiology</i>
	<i>Ruth Gramajo</i>		
Oliva Matheny	St. Timothy School	Second Place J2007 Split group: A	<i>How does your garden grow?</i>
	<i>Christy Novak</i>		
Sophie Audu	Rudecinda Sepulveda Dodson Gifted Magnet Middle School	Second Place J2032 Split group: B	<i>Plants to the Rescue: Do plants have an effect on noise pollution?</i>
	<i>Teresa Aki</i>		

Nikolai Robin	Walter Reed Middle School	Third Place J2015 Split group: A	<i>From Gravel to Moss: What hydroponic growth stone grows tomato plants best?</i>
	<i>Joyann Sofio</i>		
Nicholas Brown	Hale Charter Academy STEAM Magnet	Third Place J2028 Split group: B	<i>Which Plant Grows Best in Microgravity?</i>
	<i>Joanne Ramirez</i>		
Savanna Dizon	Rudecinda Sepulveda Dodson Middle School	Honorable Mention J2009 Split group: A	<i>How does compost affect the growth of Glycine Max</i>
	<i>Wilmer Sarmiento</i>		
Alex Ghazarian Christopher Hagobian	Chamlan Armenian School	Honorable Mention J2001 Split group: A	<i>Antimicrobials and Radish Growth</i>
	<i>Iida Gevorkian</i>		
Moses Kaplan	Portola Highly Gifted Magnet	Honorable Mention J2034 Split group: B	<i>Polluted vs Pure Microgreens</i>
	<i>Ruth Gramajo</i>		
Ibraheem Mulla	New Horizon School	Honorable Mention J2031 Split group: B	<i>Testing the Effect of Earthworms and Peanut Shell Powder on String Bean (<i>Phaseolus vulgaris</i>) Growth and Soil Moisture Content</i>
	<i>Kavitha Satya</i>		
Hiromi Ouchi	Ridgecrest Intermediate School	Honorable Mention J2029 Split group: B	<i>Using RuBisCO to Enhance the Growth Rate of Wheatgrass</i>
	<i>Julie Munoz</i>		
Fatimah Alameddine	Institute of Knowledge Middle School	Recognition J2018 Split group: A	<i>Plants in Peril: Examining the Effects of Global Warming on California's Flora</i>
	<i>Selena Khan</i>		
Emily Alejandro	Holy Angels School	Recognition J2002 Split group: A	<i>Does Artificial Light Affect the Growth of Plants?</i>
	<i>Araceli Galvez</i>		
Claire Desrosiers	Archer School for Girls - Junior Division	Recognition J2010 Split group: A	<i>The effect of sunscreen on different types of freshwater plants</i>
	<i>Jerilyn Neshek</i>		
Malak Hawa	Islamic Center of Claremont School (ICCS)	Recognition J2005 Split group: A	<i>Which Caffeine will Grow the Plant the Tallest and the Fastest?</i>
	<i>Samraa Smadi</i>		
Natalie Khatchadourian	C. & E. Merdinian Armenian Evangelical School	Recognition J2012 Split group: A	<i>DNA extraction from strawberries</i>
	<i>Fredrick Sayadian</i>		

Nathan Nguyen	Rudecinda Sepulveda Dodson Gifted Magnet Middle School <i>Teresa Aki</i>	Recognition J2013 Split group: A	<i>Soil Filtration Against Acidic Mixture</i>
Satyajith Payasam	Dunsmore Elementary School <i>Osan Garabedian</i>	Recognition J2008 Split group: A	<i>Do Different Genres of Music Affect Plant Growth?</i>
Ness Rosner	Temple Beth Am Pressman Academy <i>Monica Hall</i>	Recognition J2014 Split group: A	<i>Fantastic Fertilizers</i>
Maral Shahnazarian	Chamlan Armenian School <i>Iida Gevorkian</i>	Recognition J2011 Split group: A	<i>The Effect Of Food Residuals On Grass</i>
Samuel Sun	Palos Verdes Intermediate School <i>Julie Munoz</i>	Recognition J2017 Split group: A	<i>Plant Health with Household Products</i>
Ananya Balaji Sofia Luong	Ridgecrest Intermediate School <i>Julie Munoz</i>	Recognition J2024 Split group: B	<i>Effects of Varied Lighting on Hydroponically Grown Wheatgrass</i>
Bella Cho	Walter Reed Middle School <i>Joyann Sofio</i>	Recognition J2025 Split group: B	<i>Acid or Alkaline?</i>
Penelope Ehrich	Saint Martin of Tours Elementary School <i>Mohammad Ashas</i>	Recognition J2035 Split group: B	<i>BE WISE WHEN YOU FERTILIZE!</i>
Josiah Himsl	Sierra Madre Middle School <i>Ravi Dev Anandhan</i>	Recognition J2019 Split group: B	<i>Can I Reduce My Carbon Footprint by Growing Phytoplankton?</i>
Kendelyn Kay	Pomona Unified School District Junior Division <i>bridget gardea</i>	Recognition J2020 Split group: B	<i>Can It Grow?</i>
Anson Lee	Pomona Unified School District Junior Division <i>bridget gardea</i>	Recognition J2030 Split group: B	<i>Do Temperatures of Water Affect Plant Growth?</i>
Sophia Perez	Rudecinda Sepulveda Dodson Gifted Magnet Middle School <i>Teresa Aki</i>	Recognition J2022 Split group: B	<i>Do Lemon, Orange, and Apple Infused Water Affect the Growth of a Centuarea Cyanus?</i>

Eloise Schaeffer	Saint Martin of Tours Elementary School	Recognition J2026	<i>Lights on Lima beans</i>
	Mohammad Ashas	Split group: B	
Ayden Tashman	Temple Beth Am Pressman Academy	Recognition J2027	<i>Musical Plants: Does Music Affect the way your Plants Grow?</i>
	Monica Hall	Split group: B	
PRODUCT SCIENCE - JR J22			
Yahia Qasem Yomna Qasem	Al-Huda Islamic School	First Place J2218	<i>How Safe are Child Proof Medicine Bottles?</i>
	Rula Alshanableh	Split group: -	
Aliyah Husaini	New Horizon School	Second Place J2219	<i>Testing the Amount of Glucose Produced by Different Lactase Supplements</i>
	Kavitha Satya	Split group: -	
Chirsten Gloria Juliana Ko Allison Lee	Rudecinda Sepulveda Dodson Middle School	Third Place J2204	<i>Soundproofing Door Hanger</i>
	Wilmer Sarmiento	Split group: -	
Maryam Ahmed	Institute of Knowledge Middle School	Honorable Mention J2203	<i>Color Coded: Examining the Interplay of Age and Color in Shaping Our Perception of Flavor</i>
	Selena Khan	Split group: -	
Luke Dymtrow Justin Jung	St. Timothy School	Honorable Mention J2215	<i>Candle Scandal: Are You Getting The Best Bang For Your Buck?</i>
	Christy Novak	Split group: -	
Sana Khan	Al-Huda Islamic School	Honorable Mention J2205	<i>Dis Dis Away! Which Disinfectant Works Best at Killing Bacteria?</i>
	Rula Alshanableh	Split group: -	
Belicia Califano	Pomona Unified School District Junior Division	Recognition J2201	<i>Most Absorbent Paper Towel Brand</i>
	bridget gardea	Split group: -	
Emilie Gabrielyan	Chamlan Armenian School	Recognition J2222	<i>Synthetic Vs. Natural Antacids</i>
	lida Gevorkian	Split group: -	
Samia Halari	New Horizon School	Recognition J2206	<i>The Effectiveness of Plant-Based Detergent and Chemical-Based Detergent on Stained Pieces of Cloth.</i>
	Kavitha Satya	Split group: -	
Sydney Lem	Archer School for Girls - Junior Division	Recognition J2223	<i>Chemical vs. Natural: Which key ingredient works best at preventing ants?</i>
	Jerilyn Neshek	Split group: -	

Matteo Magnano	Saint Martin of Tours Elementary School	Recognition J2211	<i>The Race Against Pain</i>
	<i>Mohammad Ashas</i>	Split group: -	
Clarissa Mata	Montebello Intermediate School	Recognition J2207	<i>Botany in Distress</i>
	<i>Karina Aragon</i>	Split group: -	
Angelique Matavosian	Chamlan Armenian School	Recognition J2209	<i>What Materials Are Good Sound Insulators</i>
	<i>lida Gevorkian</i>	Split group: -	
Caleb Polk Shepard Meister Thomas Yoseph	Turning Point School	Recognition J2212	<i>Evaluating Solar Ovens</i>
	<i>Matthew KLine</i>	Split group: -	
Kai Quan	Mark Twain Middle School	Recognition J2214	<i>The Science of Trendy Insulated Water Bottles: Do They Deliver?</i>
	<i>Jenny Burman</i>	Split group: -	
Vinay Rao	Sierra Madre Middle School	Recognition J2217	<i>Sun Smart</i>
	<i>Ravi Dev Anandhan</i>	Split group: -	
Halo Ruiz Chloe Martir	Pomona Unified School District Junior Division	Recognition J2210	<i>Which of Shampoo is Healthiest for your Hair and Which is the Best?</i>
	<i>bridget gardea</i>	Split group: -	
Liam Sacino Jace Gibson	Incarnation Parish School	Recognition J2224	<i>Is What UV What You Get?</i>
	<i>Anna Anderson</i>	Split group: -	
Celia Sasamoto	St. Timothy School	Recognition J2202	<i>Which Color Leaves the Most Unpopped Kernels?</i>
	<i>Christy Novak</i>	Split group: -	
Max Sinanian	Saint Martin of Tours Elementary School	Recognition J2220	<i>Paper Towel vs Sweidsh Dishcloth</i>
	<i>Mohammad Ashas</i>	Split group: -	
Ben Waterman	Saint Martin of Tours Elementary School	Recognition J2225	<i>Does Your Straw Suck?</i>
	<i>Mohammad Ashas</i>	Split group: -	
Noah Weissman	Temple Beth Am Pressman Academy	Recognition J2208	<i>Which is better? Powder or granular carbon</i>
	<i>Monica Hall</i>	Split group: -	

William Wickstrom	Saint Martin of Tours Elementary School	Recognition J2221	<i>What Tape is the Strongest</i>
	Mohammad Ashas	Split group: -	

ANIMAL BIOLOGY - SR S01

William Boyd	Flintridge Preparatory School	First Place S0104	<i>Chemical Sensing in Aurelia Aurita Studied by AI-Enhanced Image Analysis: Jellyfish Can Smell</i>
	Shane Frewen	Split group: -	
Justin Jeong	Crescenta Valley High School	Second Place S0105	<i>DETERMINING THE PHYLOGENETIC POSITION OF THE SAUNDERS'S GULL</i>
	Orenda Tuason	Split group: -	
Katharina Zirn Silas Siebel Ellie Sohn	Flintridge Preparatory School	Third Place S0103	<i>The Percent Uptake of Polyethylene After Three Trophic Levels, From Rotifera to Artemia to Medusa</i>
	Shane Frewen	Split group: -	
Hannah DeMerit Matthew Lavichant	Flintridge Preparatory School	Honorable Mention S0108	<i>In Vivo Study of Uptake and Accumulation of Polyethylene Microplastics in Artemia and A. Aurita</i>
	Shane Frewen	Split group: -	
Jordan Lari	Brentwood School - Senior Division	Honorable Mention S0102	<i>The effect of caffeine on high school students' cardiovascular health and their genetic makeup</i>
	Aidyl Gonzalez-Serricchio	Split group: -	
Layan Mustafa	Institute of Knowledge High School	Honorable Mention S0101	<i>It's About Bloody Time! Examining the Health Impacts of Conventional Pad Components on Women's Menstruation</i>
	Selena Khan	Split group: -	
Rachel Lee Sabrina Soh	Crescenta Valley High School	Recognition S0106	<i>Decreasing the Excretion of Microplastics in Polystyrene-Consuming Mealworms</i>
	Orenda Tuason	Split group: -	
Usman Salman	Institute of Knowledge High School	Recognition S0107	<i>Toxic Trespass: Assessing the Impact of Copper Sulfate Pentahydrate on Marine Ecosystems</i>
	Selena Khan	Split group: -	

ANIMAL PHYSIOLOGY - SR S02

Manon Iwata	Westridge School for Girls	First Place S0209	<i>Effect of Paeonia Lactiflora Pall (White Peony) Roots on the Alleviation in Primary Dysmenorrhea</i>
	Daniel Perahya	Split group: -	
Petrina Ong	The Webb Schools	Second Place S0210	<i>Effect of Neurotransmitters on Planarian Flatworm Regeneration</i>
	Lisa Nacionales	Split group: -	

Javeria Kashif	Institute of Knowledge High School <i>Selena Khan</i>	Third Place S0212 Split group: -	<i>Robo Roach to the Rescue! Evaluating the Efficiency and Viability of Integrating Blaberus discoidalis and Technology in Rescue Operations</i>
Angelina Lin	Brentwood School - Senior Division <i>Aidyl Gonzalez-Serricchio</i>	Honorable Mention S0201 Split group: -	<i>Are all controls interchangeable? (in Caenorhabditis elegans)</i>
Benjamin Woodward Yang Peng	Brentwood School - Senior Division <i>Aidyl Gonzalez-Serricchio</i>	Honorable Mention S0206 Split group: -	<i>Nematodes Dopamine Rush - The Effect of Different Concentrations of Glucose on Caenorhabditis elegans</i>
Jonathan Chen	Diamond Bar High School <i>ERIC SORENSEN</i>	Recognition S0207 Split group: -	<i>The Effects of Plant-Based Diet on Prostate Cancer</i>
Lauren Cheng	Diamond Bar High School <i>ERIC SORENSEN</i>	Recognition S0211 Split group: -	<i>A Path to Scientific Discovery: The Interconnections Between a Plant-Based Diet and Stroke</i>
Annika Gruettemann	Palos Verdes High School <i>Julie Munoz</i>	Recognition S0208 Split group: -	<i>Examining Mytilus edulis' Filtration Capabilities Against Microplastics</i>
Hania Kashif Zimal Amir	Institute of Knowledge High School <i>Selena Khan</i>	Recognition S0205 Split group: -	<i>The Clairvoyants: Examining the Influence of Age on Brain Waves and Mental Prediction</i>
Justin Kung	Diamond Bar High School <i>ERIC SORENSEN</i>	Recognition S0214 Split group: -	<i>"Planting the Seeds of Prevention: The Impact of Plant-Based Diets on Diabetes Incidence"</i>
Ty Sorenson Christopher Lachowicz Cole Vranich	Palos Verdes High School <i>Julie Munoz</i>	Recognition S0213 Split group: -	<i>Emitting Sound Frequencies to Repel Euwallacea nr. fornicatus</i>
Ashley Viveros Timothy Price Ruby Reyes	Discovery Charter Preparatory High School <i>Ashkhen Bagoyan</i>	Recognition S0202 Split group: -	<i>Lifespan Abbreviation Induced by Caffeine in Worms</i>
BEHAVIORAL/SOCIAL SCIENCES - SR S03			
Sara Moshfeghi	Palos Verdes Peninsula High School <i>Mark Greenberg</i>	First Place S0313 Split group: -	<i>Combating the Spread of Deepfake Videos with Labels</i>

Ashley Deng	Palos Verdes Peninsula High School	Second Place S0303	<i>Modeling Depression and Antidepressant Treatment Accurately in Drosophila Melanogaster</i>
	<i>Mark Greenberg</i>	Split group: -	
Kimberly Liang	Diamond Bar High School	Third Place S0305	<i>Quantifying Happiness</i>
	<i>ERIC SORENSEN</i>	Split group: -	
Chloe Chen	Brentwood School - Senior Division	Honorable Mention S0308	<i>The Power of Music: Do frequencies impact nematodes with dementia?</i>
	<i>Aidyl Gonzalez-Serricchio</i>	Split group: -	
Naomi Kao	Palos Verdes High School	Honorable Mention S0304	<i>The Effect of a Simulation Game on Students' Handwashing Knowledge and Skills</i>
	<i>Julie Munoz</i>	Split group: -	
Meera Mahidhara	Archer School for Girls - Senior division	Honorable Mention S0310	<i>Less Stress for the Homeless</i>
	<i>Jerilyn Neshek</i>	Split group: -	
Grace Cha	National Youth Community Center	Recognition S0307	<i>Effects of Magnesium on Fruit Fly Memory</i>
	<i>Wonjong Kim</i>	Split group: -	
Hannah Cho	North Hollywood Senior High School	Recognition S0311	<i>Cortical Thicknesses of the Insula and Prefrontal Regions Are Significantly Correlated with Social-Emotional Processing</i>
	<i>Altair Maine</i>	Split group: -	
Zeena Hajhamid Samiya Ali Salma Azzaz	Institute of Knowledge High School	Recognition S0301	<i>Just Beat It: Examining the Gender Gap in Math-Induced Stress and Heart Rate Responses</i>
	<i>Selena Khan</i>	Split group: -	
Rana Kapadia	Da Vinci Science High School	Recognition S0306	<i>Public Health Awareness Survey</i>
	<i>Alex Creencia</i>	Split group: -	
Gabriel Morales	Don Bosco Technical Institute	Recognition S0302	<i>Big City Rats</i>
	<i>Jomaquai Jenkins</i>	Split group: -	
Kaitlyn Sullivan-Pascual	Flintridge Preparatory School	Recognition S0312	<i>How the Placebo Effect Alters Cognitive Performance</i>
	<i>Shane Frewen</i>	Split group: -	

BIOCHEMISTRY & MOLECULAR BIOLOGY - SR S04

Claire Dokko	Palos Verdes Peninsula High School	First Place S0410	<i>Comparing the Cancer-Inhibiting Abilities of Photosynthetic Pigments in Algae on Breast and Testicular Cancer Cell Lines</i>
	Mark Greenberg	Split group: -	
Kate Chiang Anjali Mani	Whitney High School	Second Place S0405	<i>Protective effects of omega-3 fatty acids against oxidative stress-induced collagen degradation of Tilapia fish scales</i>
	Nitta Song	Split group: -	
Anna Peti-Peterdi Lena Peresztegi Daniel Peresztegi	Palos Verdes High School	Second Place S0402	<i>The Development of the C2F Seawater to Freshwater Converting Bioplant</i>
	Julie Munoz	Split group: -	
Danny Wang	The Webb Schools	Third Place S0403	<i>Pinpointing Drug Targets on Influenza by Analyzing RNA Sequencing Data</i>
	Lisa Nacionales	Split group: -	
Long Hei (Ryan) Ho	The Webb Schools	Honorable Mention S0413	<i>Identifying the Pollen Composition of Local Honeys by DNA Barcoding</i>
	Lisa Nacionales	Split group: -	
Elyse Hwang	La Canada High School	Honorable Mention S0412	<i>Investigating the Open-Closed Transition of cpSRP43 Using NMR Spectroscopy and a DE3NQ Mutant</i>
	James Cartnal	Split group: -	
Ava Simpson	Palos Verdes High School	Honorable Mention S0409	<i>Determining the Collagen Content and Concentration of Nanofat and Microfat Using SDS-PAGE and Sirius Red Dye Assay Analysis</i>
	Julie Munoz	Split group: -	
Mariyah Ahmed	Institute of Knowledge High School	Recognition S0401	<i>That's a Wrap! Investigating Plastic Wrap Brands to Determine their Effectiveness in Preventing Oxidation</i>
	Selena Khan	Split group: -	
Ray Chung	Institute for Educational Advancement	Recognition S0407	<i>A new design for photovoltaic proteins in biohybrids with an aim to improve thermal stability and electric output</i>
	Monica Barsever	Split group: -	
Derick Ghadimi	Crescenta Valley High School	Recognition S0411	<i>Path To Understand and Cure the Mechanics of Phantom Limb Pain</i>
	Orenda Tuason	Split group: -	

Zachary Jones	Hart High School	Recognition S0408	<i>Recombinant Synthesis of Ovomucoid Protein, an Allergen in Eggs</i>
	Jenni Jones	Split group: -	
Muhammad Junaid	Institute of Knowledge High School	Recognition S0416	<i>Slow Your Flow: Examining the Effects of Sodium Citrate on Coagulation in the Human Body</i>
	Selena Khan	Split group: -	
Matteo Ornelas	Institute for Educational Advancement	Recognition S0414	<i>Investigating the Hybridization of Phage Tail Proteins for use in the Treatment of Multi-Antibiotic-Resistant Bacteria</i>
	Monica Barsever	Split group: -	
Brianna Rivera	Pomona Unified School District Senior Division	Recognition S0406	<i>Milk into plastic</i>
	bridget gardea	Split group: -	
Rama Takleh	Institute of Knowledge High School	Recognition S0415	<i>Sweetening the Deal: Examining the Effects of Sucrose, Fructose, and Glucose on Hypoglycemic Recovery</i>
	Selena Khan	Split group: -	
Josette White	Archer School for Girls - Senior division	Recognition S0404	<i>Plastic Eating PETase (Year 2 with Procedure Modifications)</i>
	Jerilyn Neshek	Split group: -	
CHEMISTRY - SR S05			
Sehoon Kang Zhehao Zhang	The Webb Schools	First Place S0511	<i>Conversion of Carbon Dioxide into a Versatile Green Solvent with Isorecticular Metal-Organic Frameworks</i>
	Lisa Nacionales	Split group: -	
Sana Rajesh	Whitney High School	Second Place S0516	<i>Improving the Ductility and Overall Usability of Milk Based Plastic Through the Implementation of a Plasticizer</i>
	Nitta Song	Split group: -	
Sarah Zhang Karina Kruger	Beverly Hills High School	Third Place S0508	<i>Fading Famines: Reducing world hunger by innovating upon ancient meat preservation techniques</i>
	Michael Sherman	Split group: -	
Jonah Nazarian	Brentwood School - Senior Division	Honorable Mention S0504	<i>Flex Charge</i>
	Aidyl Gonzalez-Serricchio	Split group: -	
Victoria Adams	Institute for Educational Advancement	Recognition S0507	<i>The Effects of Various Chemicals such as Capsaicin and Caffeine on the Energy Production of Microbial Fuel Cells</i>
	Monica Barsever	Split group: -	

Isabella Contreras Aimee Acevedo Leonel Torres	Schurr High School	Recognition S0510	<i>Look no further for a grease stain remover</i>
	<i>Myriam Islas</i>	Split group: -	
Marcel Contreras Ariana Ruiz	Pioneer High School	Recognition S0501	<i>Kevlar's against water</i>
	<i>Matthew Murray</i>	Split group: -	
Christine Kim	Crescenta Valley High School	Recognition S0512	<i>Understanding the Relative Efficiency of Antibodies Generated in Response to Infection by Covid Variants</i>
	<i>Orenda Tuason</i>	Split group: -	
Katelyn Mak	Whitney High School	Recognition S0514	<i>Comparing the Influences of Stevia Rebaudiana Extract and Butylated Hydroxytoluene on the Degradation of Biodiesel Derived from Brassica napus L. Oil</i>
	<i>Nitta Song</i>	Split group: -	
Karen Marin	Pioneer High School	Recognition S0505	<i>How do different variations of additives to coffee affect its acidity?</i>
	<i>Matthew Murray</i>	Split group: -	
Lori Terjimanian Angela Karapetyan	Schurr High School	Recognition S0506	<i>Tooth Decay Eggs- periment</i>
	<i>Myriam Islas</i>	Split group: -	
Jeffery Yu	Granada Hills Charter High School	Recognition S0513	<i>How To Eliminate The “Swimming Pool Smell”</i>
	<i>Tripti Shah</i>	Split group: -	
EARTH / SPACE SCIENCES - SR S06			
David Agekyan Emily Mardirousi Sean Canlas	Anderson Clark Magnet High School	Second Place S0603	<i>Investigating Methane Emissions in Local Communities</i>
	<i>Dominique Evans-Bye</i>	Split group: -	
ECOLOGY - SR S07			
Mia Moore-Walker	Flintridge Preparatory School	First Place S0706	<i>Assessing the nutritional impact of decomposers (isopods) on soil fertility</i>
	<i>Shane Frewen</i>	Split group: -	
Haik Isaiants	Crescenta Valley High School	Second Place S0705	<i>Lowering the Harmful Impact of Invasive Species</i>
	<i>Orenda Tuason</i>	Split group: -	
Stella Leland	Archer School for Girls - Senior division	Third Place S0707	<i>Global Worm-ing: Climate Change and Lumbriculus Variegatus</i>
	<i>Jerilyn Neshek</i>	Split group: -	

Ann Huang	Whitney High School	Recognition S0702	<i>The Effect of Different Fertilizers on Levels of Dissolved Oxygen</i>
	<i>Nitta Song</i>	Split group: -	
Madeleine Lundberg	Archer School for Girls - Senior division	Recognition S0703	<i>Farmers Say Thank You: Finding an Alternative Farming Method Using Electromagnetic Fields</i>
	<i>Jerilyn Neshek</i>	Split group: -	
ENGINEERING APPLICATIONS - SR S08			
Sid Shah Arhum Jain	Whitney High School	First Place S0813	<i>The Haptic Metroband</i>
	<i>Nitta Song</i>	Split group: -	
Chengyu Fu	The Webb Schools	Second Place S0807	<i>Two-Degree-of-Freedom Transformable Wheels</i>
	<i>Lisa Nacionales</i>	Split group: -	
Don Wong Regan Song	Diamond Bar High School	Third Place S0821	<i>Autonomous UAV-Assisted Light Pollution Mapping</i>
	<i>ERIC SORENSEN</i>	Split group: -	
Galilea Gonzalez Isabel Gonzalez Amybella Gaona	Pioneer High School	Honorable Mention S0816	<i>Automatic Pet Feeder</i>
	<i>Matthew Murray</i>	Split group: -	
Russell Miller Christopher Kim Eric Fridman	Sherman Oaks Center For Enriched Studies	Honorable Mention S0810	<i>Injury Detection Early Warning System</i>
	<i>Juan Gutierrez</i>	Split group: -	
Vela Benedicto	Crescenta Valley High School	Recognition S0802	<i>Designing A C.A.S.E. Air Quality Monitor (cost-efficient, accurate, self-sustaining, easy-to-use)</i>
	<i>Orenda Tuason</i>	Split group: -	
Mathew Gonzalez	Pomona Unified School District Senior Division	Recognition S0814	<i>Cable Management</i>
	<i>bridget gardea</i>	Split group: -	
Eric Gu Jolie Friedman	Brentwood School - Senior Division	Recognition S0805	<i>The Circuit Shower</i>
	<i>Aidyl Gonzalez-Serricchio</i>	Split group: -	
William Huang	Palos Verdes Peninsula High School	Recognition S0803	<i>SuperVision: A Novel Integrated Sensing and Computational Framework to Enable Superhuman Epiretinal Prostheses</i>
	<i>Mark Greenberg</i>	Split group: -	

Dohyun Ju	Palisades Charter High School	Recognition S0808	The Development of an Automated, Modular Method for Medical Image Registration in the Creation of a Volumetric Prostate Atlas
	Jane Curren	Split group: -	
Shreyas Kulkarni	Whitney High School	Recognition S0801	The Affordable Lockbox
	Nitta Song	Split group: -	
Elan Lonstein	Delphi Academy of Los Angeles (Senior Division)	Recognition S0804	Alternate Center Airbag Gas Release System
	Cindy Gainsforth	Split group: -	
Roshini Muppana Sara Donato	Palos Verdes Peninsula High School	Recognition S0809	The Discrepancy Between Pebbles and Lava Rock in the Growth of Mint Within an Aquaponic System
	Mark Greenberg	Split group: -	
Jiselle Rivas	Pioneer High School	Recognition S0818	Hydraulic Robotic Arm
	Matthew Murray	Split group: -	
Shreyas Sakharkar	West Ranch High School	Recognition S0811	Alzheimer's Disease Patient Chatbot
	William Hughes	Split group: -	
Athreya Sriram	Whitney High School	Recognition S0820	Temperature Scanning Station
	Nitta Song	Split group: -	
ENGINEERING RESEARCH - SR S09			
Anish Anand	Palos Verdes Peninsula High School	First Place S0908	A Novel Control System for Autonomous Quadcopter Navigation
	Mark Greenberg	Split group: -	
Christine Xie	Palos Verdes High School	Second Place S0902	Hydrogel-assisted brain transplantation of HOXA3-expressing endothelial progenitor cells for brain repair after stroke
	Julie Munoz	Split group: -	
Andreas Tempereau	Palos Verdes High School	Third Place S0901	Designing and Constructing an Automatic, Non-Electrical Cardiopulmonary Resuscitation Machine Gen 2.0
	Julie Munoz	Split group: -	
Sanjith Cherumandanda Warren Lam Chowon Kim	La Canada High School	Honorable Mention S0903	Designing and Evaluating the Effectiveness of a Quartic Spline Interpolation within Engineering Simulations
	James Cartnal	Split group: -	

Caroline Collis	Archer School for Girls - Senior division <i>Jerilyn Neshek</i>	Honorable Mention S0912 Split group: -	<i>Textiles Reaching Out Miles: How Washing your Clothes Pollutes the Environment with Microfibers</i>
Badruddin Alestwani	Institute of Knowledge High School <i>Selena Khan</i>	Recognition S0904 Split group: -	<i>The Cryptic Wifi System: Investigating the Impact of Height on Pollen Router Signals</i>
Lily Arjomand	Brentwood School - Senior Division <i>Aidyl Gonzalez-Serricchio</i>	Recognition S0905 Split group: -	<i>Ant's Capability to Sequester Carbon Dioxide to Increase CO2 Removal in the Environment</i>
Olivia Jimenez	Pioneer High School <i>Matthew Murray</i>	Recognition S0906 Split group: -	<i>How does the Beta Type Stirling Engine affect the rate at which its heat source cools?</i>
Nita Kelly	Archer School for Girls - Senior division <i>Jerilyn Neshek</i>	Recognition S0915 Split group: -	<i>Breathe with Ease: Assessing the Efficiency of HEPA Air Filters</i>
Alexander Lee	Walnut High School <i>Garrett Lim</i>	Recognition S0909 Split group: -	<i>Internet-of-Things Connected Foley Catheter Urine Collection System to Automatically and Continuously Measure Urine Output</i>
Steinunn Liorsdottir	Flintridge Preparatory School <i>Shane Frewen</i>	Recognition S0913 Split group: -	<i>A Science Project For Making Science Projects</i>
Usman Rafique	Geffen Academy at UCLA <i>Benjamin Finck</i>	Recognition S0907 Split group: -	<i>Factors Determining the Difference in Rocket Apogee Measurement using GPS and Barometric Altimeter</i>
Dylan Rodriguez-Romero	Pomona Unified School District Senior Division <i>bridget gardea</i>	Recognition S0910 Split group: -	<i>Solar Panel Boat vs. Battery Powered Boat</i>
Sophie Sun	Palos Verdes High School <i>Julie Munoz</i>	Recognition S0911 Split group: -	<i>3D Printing Houses: PLA vs. Algae Filament</i>
Anthony Valencia Jason Wiemels	Palos Verdes Peninsula High School <i>Mark Greenberg</i>	Recognition S0914 Split group: -	<i>MLPEG: Using Machine Learning for Data Compression</i>

ENVIRONMENTAL MANAGEMENT - SR S10

Debayon Roy	Crescenta Valley High School	First Place S1019	<i>Predicting Sewer Pipe Longevity Through Deep-Learning Methods: A Novel Way To Prevent Sanitary Sewer Overflow</i>
	<i>Orenda Tuason</i>	Split group: -	
Ruby Rose Carlson Max Weene	Brentwood School - Senior Division	Second Place S1007	<i>Caenorhabditis elegans Soil Rejuvenation</i>
	<i>Aidyl Gonzalez-Serricchio</i>	Split group: -	
Bill Sun	The Webb Schools	Second Place S1017	<i>Hybrid Photobioreactor System for Economical Biofuel Production with Upcycled Plastic Bottles</i>
	<i>Lisa Nacionales</i>	Split group: -	
Annalia Henderson	Palos Verdes High School	Third Place S1021	<i>Ballona Wetlands Remove Contaminants from Municipal Runoff: An Ecological Sink for Enterococcus</i>
	<i>Julie Munoz</i>	Split group: -	
Joyce Luo	Pomona Unified School District Senior Division	Third Place S1002	<i>Cooked By Soot</i>
	<i>bridget gardea</i>	Split group: -	
Yvette Shu	The Webb Schools	Third Place S1010	<i>Microplastic Fallout Density of Polyester Fabrics from Fast Fashion Companies under UV Light</i>
	<i>Lisa Nacionales</i>	Split group: -	
Ashley Song	Whitney High School	Third Place S1013	<i>All It Takes is a Switch of Chemicals: A Safer Approach to Extracting Hydrophobic Plant Wax</i>
	<i>Nitta Song</i>	Split group: -	
Adam Azzaz Umar Khan Ihsan Musallet	Institute of Knowledge High School	Recognition S1008	<i>Fighting Fire with Science: A Comparative Study of Flame Retardant Effectiveness</i>
	<i>Selena Khan</i>	Split group: -	
Raffi Boghossian	Rose and Alex Pilibos Armenian High School	Recognition S1015	<i>Do Not Worry about Plastic, We Have Worms!</i>
	<i>Jacque Mishler</i>	Split group: -	
Charlie Clayton	Archer School for Girls - Senior division	Recognition S1011	<i>The Health Implications of Recent Bacterial Waves Along the Coast of Southern California</i>
	<i>Jerilyn Neshek</i>	Split group: -	
Esther Hwang Kate Park Kayleen Yang	Crescenta Valley High School	Recognition S1004	<i>Water Contamination in La Crescenta Schools</i>
	<i>Orenda Tuason</i>	Split group: -	

Daron Kasparian	Rose and Alex Pilibos Armenian High School <i>Jacque Mishler</i>	Recognition S1009 Split group: -	<i>"The Fuel of the Next Generation" Transesterification of Biodiesel Using Recycled Cooking Oils</i>
Ethan Lee	Crescenta Valley High School <i>Orenda Tuason</i>	Recognition S1003 Split group: -	<i>Landfill Coverage Through the Utilization of Charcoal</i>
Aiden Park	North Hollywood Senior High School <i>Altair Maine</i>	Recognition S1006 Split group: -	<i>The Effect of Temperature on the Shedding of Microplastics</i>
Erica Ro	Palos Verdes Peninsula High School <i>Mark Greenberg</i>	Recognition S1020 Split group: -	<i>Measuring the Effectiveness of Thermochromic Roofs for Urban Heat Island Mitigation</i>
Skylar Roberts	Archer School for Girls - Senior division <i>Jerilyn Neshek</i>	Recognition S1012 Split group: -	<i>Using Homemade Magnetite Ferrofluid to Extract Microplastics From Water</i>
Ruhini Saha	Granada Hills Charter High School <i>Tripti Shah</i>	Recognition S1016 Split group: -	<i>Pyrolysis of plastic waste to fuel</i>
Alishba Salman	Institute of Knowledge High School <i>Selena Khan</i>	Recognition S1014 Split group: -	<i>A Magnetically Attractive Solution: Comparing the Efficiency of Ferromagnetic Nanoparticles for the Purpose of Oil Remediation</i>
Vana Scorza	Rose and Alex Pilibos Armenian High School <i>Jacque Mishler</i>	Recognition S1018 Split group: -	<i>Photovoltaic (PV) Solar Cells' Output (watts) vs. the Ambient Temperature (F)</i>
Scarlett Tinajero	Pioneer High School <i>Matthew Murray</i>	Recognition S1005 Split group: -	<i>How detergent affects our environment</i>

MATHEMATICS & COMPUTER SCIENCES - SR S11

Justin Liu	Palos Verdes Peninsula High School <i>Mark Greenberg</i>	First Place S1108 Split group: -	<i>A Novel Super-Resolution AI Engine and Multi-Stage Abnormality Detection Pipeline for Early Blindness Prevention</i>
Zexin Bi	The Webb Schools <i>Lisa Nacionales</i>	Second Place S1112 Split group: -	<i>Using Pretrained Natural Language Processing Model to Extract Drug-Drug-Interaction from Medical Paper</i>

Anthony Yoon	Palos Verdes High School	Third Place S1107	<i>Machine Learning Ensemble for Operational Variables and Prediction of Truck Turntime at the Port of Los Angeles</i>
	<i>Julie Munoz</i>	Split group: -	
Jenna Chow	Palos Verdes High School	Honorable Mention S1101	<i>BerthaBot: A Student Interface with Realistic Communication Through Artificial Intelligence Knowledge Bases</i>
	<i>Julie Munoz</i>	Split group: -	
Gabriel Fergesen	Institute for Educational Advancement	Honorable Mention S1115	<i>Watching the Death-Clock: Simulating Prion Infection of Human Cells</i>
	<i>Monica Barsever</i>	Split group: -	
Michael Dalva Isabel Huh	Granada Hills Charter High School	Recognition S1106	<i>Crush Guard</i>
	<i>Tripti Shah</i>	Split group: -	
Rachel DeMerit	Flintridge Preparatory School	Recognition S1103	<i>Predictive Data Model for Diabetic Recommendations</i>
	<i>Shane Frewen</i>	Split group: -	
Tejaswi Krishna Hrshikesh Krishna	Mira Costa High School	Recognition S1111	<i>Analysis of Rising Interest Rates on Student Loans from a Macro and Microeconomic Perspective</i>
	<i>Ernesto Nodado</i>	Split group: -	
Matteo Paz	Institute for Educational Advancement	Recognition S1114	<i>Long-Short Term Memory Recurrent Neural Networks as a Stock Market Prediction Tool</i>
	<i>Monica Barsever</i>	Split group: -	
Emily Ren	Diamond Bar High School	Recognition S1109	<i>Intersection of Longest Cycle and Largest Bond in 3-Connected Graphs</i>
	<i>ERIC SORENSEN</i>	Split group: -	
Harris Song	Walnut High School	Recognition S1104	<i>Algorithmic Generation and Implementation of the Protein Universe</i>
	<i>Garrett Lim</i>	Split group: -	
Xiangzhou Sun	The Webb Schools	Recognition S1113	<i>Communication Reduction via Compression-Aware Training for Efficient Edge-Cloud Computing on AR/VR Systems</i>
	<i>Lisa Nacionales</i>	Split group: -	
Angelina Tsuboi	Chadwick School	Recognition S1102	<i>ADS-B Plane Spoofing Detection using Neural Networks and RF Fingerprinting</i>
	<i>Dijanna Figueroa</i>	Split group: -	

Kevin Wang	The Webb Schools	Recognition S1110	<i>Effects of Using Neural Networks to Generate Music</i>
	<i>Lisa Nacionales</i>	Split group: -	
John Xu	Harvard- Westlake High School	Recognition S1105	<i>Procedural Generation in 2D Metroidvania Game with Answer Set Programming</i>
	<i>Tripp Reed</i>	Split group: -	
MICROBIOLOGY - SR S12			
Mark Lin	Cabrillo Marine Aquarium	First Place S1209	<i>Sustaining Spacecraft: Application of Novel Photobioreactor System in Aerospace Oxygen Exchange Systems</i>
	<i>Brenton Spies</i>	Split group: -	
Mason Hong	La Salle College Preparatory	Second Place S1202	<i>Spectral Autofluorescence: Towards Quantitative Pathology</i>
	<i>Elizabeth Parga</i>	Split group: -	
Katherine Le	Palos Verdes Peninsula High School	Third Place S1207	<i>Efficacy of Bacteriophage Cocktails on E. Coli K-12 in HEK Cells</i>
	<i>Mark Greenberg</i>	Split group: -	
Gilbert Shen	Walnut High School	Honorable Mention S1205	<i>The Investigation of Various Factors Affecting Yeast Growth</i>
	<i>Garrett Lim</i>	Split group: -	
Abira Dost	Institute of Knowledge High School	Recognition S1208	<i>What's Poppin'? Evaluating Effective Treatments for Acne and Examining the Psychological Impact of It on Adolescents</i>
	<i>Selena Khan</i>	Split group: -	
Lingyi Tang Chelsea Wei	The Webb Schools	Recognition S1206	<i>Chemical Inhibition of Yeast Growth</i>
	<i>Lisa Nacionales</i>	Split group: -	
PHARMACOLOGY - SR S13			
Mahesh Arunachalam	Crescenta Valley High School	First Place S1305	<i>New Generation Drug Development Pipeline From in-silico Identification to Preclinical Evaluation for Novel Drug Candidates in Glioblastoma</i>
	<i>Orenda Tuason</i>	Split group: -	
Brielle Young	Palos Verdes Peninsula High School	Second Place S1301	<i>OpenBook: A Novel Machine Learning Tool for Prescription and Pharmacologic Management of Drug Dosage for Patients with Depression and Anxiety</i>
	<i>Mark Greenberg</i>	Split group: -	

Ruotong Gao	The Webb Schools <i>Lisa Nacionales</i>	Third Place S1312 Split group: -	<i>Investigation of controlled underexpression of IGFBP7 on geriatric diseases using a Bayesian Network and Protein-Ligand complex models/simulations</i>
Michelle Chung	Crescenta Valley High School <i>Orenda Tuason</i>	Honorable Mention S1302 Split group: -	<i>Testing Antimicrobial Effects of PYED-1 Derived Corticosteroids</i>
Muhammad Motala	Institute of Knowledge High School <i>Selena Khan</i>	Honorable Mention S1313 Split group: -	<i>Unequal Relief: Examining Racial Disparity in the Pharmacokinetics of Acetaminophen</i>
Finley Vincent	Archer School for Girls - Senior division <i>Jerilyn Neshek</i>	Honorable Mention S1309 Split group: -	<i>Keen on Green Tea: Can Epigallocatechin Gallate prevent Cadmium Chloride induced Cancerous Tumorigenesis within Planarians?</i>
Joseph Choi Aiden Kim Ezra Han	Crescenta Valley High School <i>Orenda Tuason</i>	Recognition S1308 Split group: -	<i>Comparing Methods of Reducing Matrix Metalloproteinase Mediated Cartilage Degradation Through the NF-kB Pathway</i>
Mohuli Ganguly	La Salle College Preparatory <i>Elizabeth Parga</i>	Recognition S1306 Split group: -	<i>Examining how different medications and electrolytes affect Pluripotent Stem Cell to Cardiomyocyte Differentiation and Cell Pulse Rate</i>
Nathaniel Jaramillo	Crescenta Valley High School <i>Orenda Tuason</i>	Recognition S1304 Split group: -	<i>The Evaluation of 20-Hydroxyecdysone's Potential to be Further Investigated as an Alternative Therapy for Osteoporosis</i>
Brandon Kao Neo Teigen Ryan Chu	La Salle College Preparatory <i>Elizabeth Parga</i>	Recognition S1303 Split group: -	<i>The Correlation Between Pesticide Exposure and Alzheimer's Disease: A Meta-Analysis</i>
Layla Negrin	Archer School for Girls - Senior division <i>Jerilyn Neshek</i>	Recognition S1307 Split group: -	<i>Making Life Sweeter: A study on how Sugar and Coenzyme Q10 reduce Huntington's Disease Symptoms</i>
Nathan Vipapan	Institute for Educational Advancement <i>Monica Barsever</i>	Recognition S1311 Split group: -	<i>Modification of Bee Venom Peptide Melittin for Reduced Cytotoxicity to Increase Usefulness in Treating Ovarian Cancer</i>

Helen Yang	Harvard- Westlake High School <i>Tripp Reed</i>	Recognition S1310 Split group: -	<i>Association of genetic polymorphisms with pancreatic adenocarcinoma progression</i>
PHYSICS - SR S14			
Madelyn Li	Mira Costa High School <i>Ernesto Nodado</i>	First Place S1405 Split group: -	<i>Electrical Wire Heating with Portable Battery for Preventive Masks</i>
Madeline Gross	New West Charter High School <i>Maurice Stephenson</i>	Second Place S1402 Split group: -	<i>Using Conservation of Energy to Optimize Results of Women Pole Vaulters</i>
Nicolas Revolorio	Pioneer High School <i>Matthew Murray</i>	Third Place S1401 Split group: -	<i>Electromagnetism and it's affecting Variables</i>
Gerardo Cordova	Don Bosco Technical Institute <i>Jomaquai Jenkins</i>	Honorable Mention S1404 Split group: -	<i>Magnets Matter</i>
Brindha Srivatsav	Palos Verdes Peninsula High School <i>Mark Greenberg</i>	Honorable Mention S1403 Split group: -	<i>ERND (Electromagnetic Radiation Neutralization Device): A Novel Device to Counter Detrimental Effects of 5G Radiation</i>
PLANT BIOLOGY & PHYSIOLOGY - SR S15			
Arman Omidvar Chris Yang	Palos Verdes Peninsula High School <i>Mark Greenberg</i>	First Place S1512 Split group: -	<i>The Significance of Iridescence in Selaginella uncinata as a Strategy to Reduce Leaf Damage from Sunflecks</i>
Andrew Kim	Flintridge Preparatory School <i>Shane Frewen</i>	Second Place S1510 Split group: -	<i>Transformation of Chromochloris Zofingiensis to Enhance Lipid Production for Biofuel Development</i>
Sydney Wynn Maryam Soliman	Palos Verdes High School <i>Julie Munoz</i>	Third Place S1508 Split group: -	<i>How Genetically Modified Glycine max Interferes with the Growth of Sorghum bicolor</i>
Nicholas Dominguez Ryan Tanada Andrei De La Cruz	Don Bosco Technical Institute <i>Jomaquai Jenkins</i>	Honorable Mention S1509 Split group: -	<i>All Hail Hydroponics</i>
Valentina Mancilla Rowan Schaeffer Nicholas Dermovsesian	Flintridge Preparatory School <i>Shane Frewen</i>	Honorable Mention S1515 Split group: -	<i>How Temperature Affects The Rate of Photosynthesis</i>

Xiomara Zamacona	Pioneer High School	Honorable Mention S1506 Split group: -	<i>How does the temperature affect plant growth?</i>
	<i>Matthew Murray</i>		
Anai Duenas Padilla	Magnolia Science Academy 4 Venice	Recognition S1502 Split group: -	<i>Drip Drip Sprinkle</i>
	<i>Ahmet Katmer</i>		
Zoe Griffin	Archer School for Girls - Senior division	Recognition S1513 Split group: -	<i>Sweltering Soil: Counteracting Heat and Water Stress in Agriculture Using Hygroscopic Materials</i>
	<i>Jerilyn Neshek</i>		
Lucy Liu	Flintridge Preparatory School	Recognition S1511 Split group: -	<i>Effect of Human Multivitamins on the Health of Epipremnum aureum</i>
	<i>Shane Frewen</i>		
David Macedo Felipe Rivera	Pioneer High School	Recognition S1503 Split group: -	<i>How does fertilizer effect plant life</i>
	<i>Matthew Murray</i>		
Adrian (Xavier) Monteon	Don Bosco Technical Institute	Recognition S1501 Split group: -	<i>"chloromeleon"</i>
	<i>Jomaquai Jenkins</i>		
Diego Ramirez Anthony Marquez	Discovery Charter Preparatory High School	Recognition S1507 Split group: -	<i>Homemade Fertilizer</i>
	<i>Ashkhen Bagoyan</i>		
Vianka Ramos	Pioneer High School	Recognition S1505 Split group: -	<i>How does different types of water affect the rate of growth in algae</i>
	<i>Matthew Murray</i>		