Grand Prize Student Awards

Grand Prize - Trip to Intel ISEF
East Side Union High School District Affiliation
Sponsored by City of San Jose
Councilmember Forrest Williams

Neelam Grewal, Silver Creek High School
Amanjeet Kaur, Silver Creek High School
Jeannie Tran, Oak Grove High School
Justin To, Oak Grove High School

Grand Prize - Trip to Intel ISEF
Biological Sciences Affiliation
Sponsored by MedImmune

Patrick Hsu, Hsu home school
Dhruv Nandamudi, Monta Vista High School
Daniel Stemp, Monta Vista High School
Sushant Sundaresh, Harker School

Grand Prize - Trip to Intel ISEF
Physical Sciences Affiliation
Sponsored by Intel Foundation

Eric Casavant, Monta Vista High School
Nitin Egbert, Bellarmine College Preparatory
David Liu, Lynbrook High School
Alex Marshall, Monta Vista High School

Grand Prize Alternate - Trip to State Science Fair
East Side Union High School District Affiliation

Kunal Agarwal, Silver Creek High School
Van Tran, Oak Grove High School
Katerina Trinh, Oak Grove High School

Grand Prize Alternate - Trip to State Science Fair
Biological Sciences Affiliation

Aaron Lin, Harker School
Ivy Nguyen, Milpitas High School

Grand Prize Alternate - Trip to State Science Fair
Physical Sciences Affiliation

Michael Chu, Los Gatos High School
Steven Davies, Los Gatos High School
Dhruv Garg, Monta Vista High School
Trent Lawler, Los Gatos High School

Dr. Paul X. Callahan Grand Prize Technical Paper Awards

Dhruv Garg, Monta Vista High School
Anne Huang, Castilleja School

Student Awards

Archbishop Mitty High School

Chen, Yijun; "Effects of Mixed Infections with Squash Vein Yellowing Virus on Transmission of Papaya Ringspot Virus Type W by Aphids" (111-110-6) Sampson
— Second Place in Category

Chen, Yijun; "Effects of Mixed Infections with Squash Vein Yellowing Virus on Transmission of Papaya Ringspot Virus Type W by Aphids" (119-L40-9) Sampson
— Second Place Technical Paper

Bellarmine College Preparatory

Egbert, Nitin; "Mind Mouse: A Mind-Computer Interface Without Pattern Recognition Based on Biofeedback Training" (111-B10-4) Mr. Richards
— First Place in Category
— $100 Honorable Mention, Morgan Lewis
— Grand Prize - Best of Championship - Physical Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors
— Padfolio, USB drive, PDA, pen and pencil set and Certificate of Achievement, United States Air Force

Viswanadham, Vinayak; "The Application of Iron Particle Solutions to Dense Non-Aqueous Phase Liquids (DNAPLs), or How Rusting Can Be Useful" (101-790-10) Mr. Janda
— 1st Place Award - $100 Cash, Plaque and CRC Handbook, Walter C. Benzing Science Award
— Honorable Mention Award - Magazine Subscription and framed Certificate of Achievement, ASM International, A Society For Materials

Viswanadham, Vinayak; "The Application of Iron Particle Solutions to Dense Non-Aqueous Phase Liquid (DNAPLs) Or How Rusting Can Be Useful" (109-P60-11) Mr. Janda
— First Place Technical Paper

Castilleja School

Hsieh, Samantha; "Does the Object's Angle of Entry into Water Affect the Subsequent Splash" (101-810-8) Mourad
— 2nd Place Award - $30 Cash plus certificate, United States Metric Association

Huang, Anne; "The Role of Dementia Gene Progranulin in Lifespan and Behaviors of C. Elegans" (101-540-7) Mourad
— Second Place in Category
— Honorable Mention Certificate and Goody Bag, Santa Clara County Biotech Education Partnership (SCCBEP)

Huang, Anne; "The Role of Dementia Gene Progranulin in Lifespan and Behaviors of C. Elegans" (109-L40-2) Mourad
— First Place Technical Paper
— Best Technical Papers in Biological and Physical Sciences, Dr. Paul X Callahan Grand Prize Technical Paper Awards

Mukherjee, Nandini; "Foundation's Roots" (101-A30-10) Mourad
— Honorable Mention in Category

Pless, Evie; "A Chemotropic Acoustic Gas Analyzer" (111-A80-10) Mourad
— $100 Cash Award to Grades 11-12, Trimble Navigation Ltd.
— 1st Place Award - $100 Cash, Product Safety Engineering Society
— 1st place student- $100 plus cert, American Vacuum Society - Northern CA Chapter
— Best Illustration of a Physical or Chemical Effect and Certificate of Merit, Institute of Electrical and Electronic Engineers
— Certificate of Achievement and Pewter Medallion, Yale Science and Engineering Association
— Certificate of Achievement, United States Army
— First Place High School - $150 Cash, RAE Systems
— $50 Gift Certificate, medallion, and Certificate of Achievement, United States Navy and Marine Corps
— Honorable Mention - $25 Cash and plaque, Walter C. Benzing Science Award

Rao, Samhitha; "Testing the Efficiency of an Argonide Nanofilter" (101-530-11) Mourad
— Honorable Mention in Category

Evergreen Valley High School

Duong, Tan; "Hyper Hands" (091-510-3) Sabherwal
— Honorable Mention in Category

Greene Scholars Program

Combs, Michael; "'Lightly' Efficient" (091-A20-11) Mr. Wong
— Honorable Mention in Category
Hawkins, Charity; "Hydroponics" (101-140-13) Ms. Taylor
— Honorable Mention in Category

Harker School

Christiano, Paul; "Language Processing With Recursive Transition Networks" (121-B30-3) Abrams
— Honorable Mention in Category
— Army Polo Shirt and Certificate of Achievement, United States Army
— Certifcate of Achievement, Mu Alpha Theta
Ebrahim, Senan; "Properties of Silk III Fibroin at the Air-Water Interface" (121-710-4) Nelson
— Second Place in Category
— $500 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering
— 1st Place Award - $100 Cash plus framed certs, SAMPE - Society for the Advancement of Material and Process Engineering
— 1st Place Award - $500, American Chemical Society, Santa Clara Valley Local Section
Ebrahim, Senan; "Properties of Silk III Fibroin at the Air-Water Interface" (129-P10-6) Nelson
— Second Place Technical Paper
Lin, Aaron; "The Effect of Superinfection on Virulence and Transmission Under Various Conditions" (111-621-12) Schafer
— First Place in Category
— Grand Prize Alternate - Biological Sciences - Trip to State Science Fair, SCVSEFA Board of Directors
Madan, Elena; "Identification of Genes that Regulate Tongue Development" (111-520-9) Harley
— Second Place in Category
— Certificate of Outstanding Achievement, Society for In Vitro Biology
Paseman, Sabrina; "Creation of a Ferrometer" (111-A10-12) Schafer
— First Place in Category
— $100 Honorable Mention, Morgan Lewis
— $50 Cash Award for Best Interdisciplinary Project and Certificate of Merit, Institute of Electrical and Electronic Engineers
— Certificate of Achievement and Breakfast with the Director, NASA, NASA Ames Research Center
— Second Place High School Award - $100, RAE Systems
Roxlo, Thomas; "Small Molecule Induction of the Heat Shock Response: Cytoprotective Effects and Potential Clinical Applications of Celastrol" (121-610-12) Schafer
— One Year Subscription to Scientific American & sample issue, Scientific American
Roxlo, Thomas; "Small Molecule Induction of the Heat Shock Response: Cytoprotective Effects and Potential Clinical Applications of Celastrol" (129-L10-2) Schafer
— First Place Technical Paper
Sikka, Denzil; "A Novel Approach Using the TSP Lin-kernighan Cut With a Smith-Waterman Gotoh Pair-Wise Alignment to Solve the MSA Problem" (111-B50-1) Abrams
— Second Place in Category
— $100 Cash, Santa Clara County Biotech Education Partnership (SCCBEP)
— Army Polo Shirt and Certificate of Achievement, United States Army
Sikka, Denzil; "A Novel Approach Using the TSP Lin-kernighan Cut With a Smith-Waterman Gotoh Pair-Wise Alignment to Solve the MSA Problem" (119-P30-4) Abrams
— Second Place Technical Paper
Stanek, Andrew; "Effect of Protein Denaturants on Phage Propagation in Bacterial Populations" (111-620-1) Abrams
— Honorable Mention in Category
Sundaresh, Sushant; "Towards Nitrogen-Fixing Symbioses Without Mutual Consent: The Impact of Carbon Limitation on Endophylic Infection of Maize" (121-630-4) Harley
— First Place in Category
— Grand Prize - Best of Championship - Biological Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors

Home School (Hsu)

Hsu, Patrick; "A Role in Hearing Mechanotransduction? Characterization & Localization of Lipid-binding Protein StARD10" (121-640-13) Hsu
— First Place in Category
— $100 American Express gift check, plaque, certificate and 6-week summer internship, MedImmune
— Grade 12 Individual Project - $200 cash, Genencor Biotechnology Awards
— Grand Prize - Best of Championship - Biological Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors

Home School (Siu)

Siu, Sabrina; "Plants and Carbon Dioxide" (111-260-4) Mr. Siu
— Honorable Mention in Category
— Tshirts, Suntrek Solar

Homestead High School

Wong, Albert; "Methods to Extend Operation Time and Eliminate Induced Hazards on Implanted Medical Devices to Help Improving Patient's Health and Quality of Life" (111-A50-9) Plano
— Honorable Mention in Category
— $50 Cash Award for Best Electrotechnology Project and Certificate of Merit, Institute of Electrical and Electronic Engineers
— 2nd Place Award - $75 Cash and Certificate of Achievement, Walter C. Benzing Science Award
— HP iPAQ Pocket PC, Hewlett-Packard Laboratories

Independence High School

Duong, Au; "What is the Effect of Oil Type on the Amount of Dissolved Oxygen in Water?" (121-210-5) Mr. Tomasso
— Honorable Mention in Category
— 3rd Place Award - $50 Cash, California Water Environment Association
— Gr 6-12:Poster and Certificate of Achievement; opportunity to advance to Stockholm competition, Stockholm Junior Water Prize (formerly Water Environment Federation)
— Tshirts, Suntrek Solar

Go, Kathleen; "Comparing the Efficiency of Anthocyanins as UV Light Absorbers with Underground and Aboveground Plant Structures" (122-640-10) Ms. Vickrey
— Second Place in Category

Joshipura, Katha; "The Effect of Electromagnetic Fields on Living Organisms" (092-120-2) Mr. Briber
— First Place in Category

Le, Uyen (Kristy); "The Effect of Electromagnetic Fields on Living Organisms" (092-120-2) Mr. Briber
— First Place in Category

Nhin, Thuy; "Pollution, Buffering Capacity, and Dissolved Oxygen of Local Waters Sources" (121-220-1) Mrs. Nirula
— 2nd Place Award - $75 Cash, California Water Environment Association
— Gr 6-12:Poster and Certificate of Achievement; opportunity to advance to Stockholm competition, Stockholm Junior Water Prize (formerly Water Environment Federation)
— Tshirts, Suntrek Solar

Ou, Warren; "Comparing the Efficiency of Anthocyanins as UV Light Absorbers with Underground and Aboveground Plant Structures" (122-640-10) Ms. Vickrey
— Second Place in Category

Zhuo, Rebecca; "The Effect of Electromagnetic Fields on Living Organisms" (092-120-2) Mr. Briber
— First Place in Category

Kehillah Jewish High School

Azenkot, Tali; "The Sound of Silence: Creating a Sound Barrier" (112-A20-5) Cahn
— 2nd Place Award - $50 Cash, Product Safety Engineering Society

Cherny, Boris; "The Shape of Ion Wind Propulsion" (111-820-11) Cahn
— Certificate of Achievement, United States Army
— $50 Gift Certificate, medallion, and Certificate of Achievement, United States Navy and Marine Corps

Cohen, Shani; "The Sound of Silence: Creating a Sound Barrier" (112-A20-5) Cahn
— 2nd Place Award - $50 Cash, Product Safety Engineering Society

David, Michal; "Biodiesel Efficiency" (112-210-8) Cahn
— Army Polo Shirt and Certificate of Achievement, United States Army
— Tshirts, Suntrek Solar

Gray, Ilan; "How Do Sound and Light Inputs Affect Human Memory?" (102-410-11) Cahn
— Second Place in Category

Hadar, Peter; "CO2: Problem or Solution" (111-230-3) Cahn
— Honorable Mention in Category
— Tshirts, Suntrek Solar

Lavian, Ofek; "How Do Sound and Light Inputs Affect Human Memory?" (102-410-11) Cahn
— Second Place in Category

Lehmann, Benjamin; "Effect of Cathode Material and Temperature on Performance of Direct Carbon Fuel Cells" (091-710-13) Cahn
— Honorable Mention Certificate, Product Safety Engineering Society

Levine, Sasha; "How Does the Presence of Earthworms in Soil Affect the Plant Growth?" (112-230-13) Cahn
— 2nd Place Certificate, Santa Clara County Integrated Waste Management Program
— Tshirts, Suntrek Solar

Matvey, Anna; "Biodiesel Efficiency" (112-210-8) Cahn
— Army Polo Shirt and Certificate of Achievement, United States Army
— Tshirts, Suntrek Solar

Murakami, Emily; "The Effects of Elevated Levels of Salinity on Pickleweed" (121-120-9) Cahn
— First Place in Category
— 1st place - $50 cash, certificate, and free course materials to attend safe boating course, United States Coast Guard Auxiliary, Flotilla 4-9, 11NR
— Certificate and medal, National Oceanic and Atmospheric Administration

Telis, Natalie; "How Does the Presence of Earthworms in Soil Affect the Plant Growth?" (112-230-13) Cahn
— 2nd Place Certificate, Santa Clara County Integrated Waste Management Program
— Tshirts, Suntrek Solar

Los Gatos High School

Chu, Michael; "The Wing Structure Effect on Lift vs Drag Ratio" (112-810-12) Burns
— First Place in Category
— Certificate of Achievement, United States Army
— Grand Prize Alternate - Physical Sciences - Trip to State Science Fair, SCVSEFA Board of Directors
— Padfolio, USB drive, PDA, pen and pencil set and Certificate of Achievement, United States Air Force

Davies, Steven; "The Wing Structure Effect on Lift vs Drag Ratio" (112-810-12) Burns
— First Place in Category
— Certificate of Achievement, United States Army
— Grand Prize Alternate - Physical Sciences - Trip to State Science Fair, SCVSEFA Board of Directors
— Padfolio, USB drive, PDA, pen and pencil set and Certificate of Achievement, United States Air Force

Lawler, Trent; "The Wing Structure Effect on Lift vs Drag Ratio" (112-810-12) Burns
— First Place in Category
— Certificate of Achievement, United States Army
— Grand Prize Alternate - Physical Sciences - Trip to State Science Fair, SCVSEFA Board of Directors
— Padfolio, USB drive, PDA, pen and pencil set and Certificate of Achievement, United States Air Force

Lynbrook High School

Athavale, Priyanka; "The Effects of TMV on Plants After the Initial Inoculation of a Weaker Strain" (101-110-12) Alonzo
— First Place in Category
— Honorable Mention Certificate and Goody Bag, Association for Women in Science - Palo Alto Chapter
— One Year Subscription to Scientific American & sample issue, Scientific American

Banerjee, Dhruba; "The Effect of an Increased Level of Intracellular Potassium on the Epithleium Cell"s Ability to Reabsorb Water in the Kidney" (111-560-6) Moilanen
— First Place in Category

Bhat, Sudarshan (Sudi); "The Effectiveness of Bacteriophages on E. Coli at Variable Antibiotic Dilutions" (101-640-12) Alonzo
— First Place in Category
— 1st Place Award - $100 Cash, California Water Environment Association
— Gr 6-12:Poster and Certificate of Achievement; opportunity to advance to Stockholm competition, Stockholm Junior Water Prize (formerly Water Environment Federation)

Cheng, Evaline; "Effect of Different Cooking Methods on Antioxidant Levels in Vegetables" (101-710-3) Dr. Rocklin
— First Place in Category
— $50 Cash award, San Jose State University Student Affiliates of the American Chemical Society
— 2nd Place Award - $200, American Chemical Society, Santa Clara Valley Local Section
— Book and Certificate, Promethium Chapter of Iota Sigma Pi

Ganesan, Karthik; "On Determining the Number of Limit-Cycles of Ordinary Differential Equations" (121-B40-12) Alonzo
— 1st Place Award - Bronze Medallion, Army Polo Shirt, and a Certificate of Achievement, United States Army

Ganesan, Karthik; "On Determining the Number of Limit-Cycles of Ordinary Differential Equations" (129-P70-8) Alonzo
— Second Place Technical Paper

Jeeawoody, Shaheen; "Manganese Toxicity on Rat Neuron AF5 Cells" (101-510-6) Alonzo
— Honorable Mention in Category

Liu, David; "Content-Based Image Retrieval" (101-B20-6) Alonzo
— First Place in Category
— $100 Honorable Mention, Morgan Lewis
— $200 Cash Award plus a Certificate and a Memento, Intel Excellence in Computer Science Award
— $50 Cash Award for Excellence in Project Presentation and Certificate of Merit, Institute of Electrical and Electronic Engineers
— Full scholarship to COSMOS provided student is accepted in the program, ongoing mentoring, travel to ISEF as student observer (dependent on funding), Intel Promising Young Scientist Award/COSMOS
— Grand Prize - Best of Championship - Physical Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors

Liu, David; "Content-Based Image Retrieval" (109-P50-2) Alonzo
— Honorable Mention for Technical Paper

Nelakanti, Raman; "What is the Effect of Arbuscular Mycorrhiza on the Formation of Nodules in Snow Peas?" (101-120-8) Alonzo
— Second Place in Category
— One Year Subscription to Scientific American & sample issue, Scientific American

Sawant, Manali; "Starch-Based Biodegradable Packaging" (101-A20-1) Alonzo
— First Place in Category
— 1st Place Certificate, Santa Clara County Integrated Waste Management Program
— 2nd Place Award - $75 Cash, Magazine Subscription, Jeweler's Loop and framed cert, ASM International, A Society For Materials
— Full scholarship to COSMOS provided student is accepted in the program, ongoing mentoring, travel to ISEF as student observer (dependent on funding), Intel Promising Young Scientist Award/COSMOS
— HP Digital Camera, Hewlett-Packard Laboratories

Subramanian, Narayan; "A Preliminary Investigation of the Effectiveness of Freeze Desalination" (111-210-11) Alonzo
— First Place in Category
— Certificate of Achievement and chance to win camera, Ricoh Corporation
— Plaque and a $100 check, California Association of Professional Scientists
— Schonert Award for the Best Project in Environmental Science or Marine Biology - $100 Cash Award, SCVSEFA Board of Directors
— Tshirts, Suntrek Solar

Suen, Caroline; "On Search Techniques for Root-Unitary Polynomials" (121-B20-7) Alonzo
— Honorable Mention in Category

Suen, Caroline; "On Search Techniques for Root-Unitary Polynomials" (129-P30-11) Alonzo
— First Place Technical Paper

Milpitas High School

Leung, Wesley; "Effect of Probiotic Lactobacillus Acidophilus on Weight Loss in Mice" (112-610-2) Cacao
— First Place in Category
— 3rd Place Award - $100 Cash, American Association for Laboratory Animal Science, Northern California Branch
— Grand Prize Alternate - Biological Sciences - Trip to State Science Fair, SCVSEFA Board of Directors

Nguyen, Ivy; "Effect of Probiotic Lactobacillus Acidophilus on Weight Loss in Mice" (112-610-2) Cacao
— First Place in Category
— 3rd Place Award - $100 Cash, American Association for Laboratory Animal Science, Northern California Branch
— Grand Prize Alternate - Biological Sciences - Trip to State Science Fair, SCVSEFA Board of Directors

Phan, Nguyen; "Which Metal Surface is the Most Effective Antimicrobial Surface?" (122-630-1) Meyer
— 2nd Place Award - $75 Cash, American Society of Heating, Refrigeration and Air Conditioning Engineers

Yao, Jamie; "Which Metal Surface is the Most Effective Antimicrobial Surface?" (122-630-1) Meyer
— 2nd Place Award - $75 Cash, American Society of Heating, Refrigeration and Air Conditioning Engineers

Monta Vista High School

Anand, Nikhil; "Colliding Ions to Model Black Hole ADS/CFT Correspondence, Event horizon Perturbations, and the Information Paradox" (111-870-4) Mr. Kawanami
— First Place in Category

Casavant, Eric; "The Detection of Graviton Exchange Rate with Ocean Tides" (122-850-3) Mr. Stark
— First Place in Category
— Certificate of Achievement and Breakfast with the Director, NASA, NASA Ames Research Center
— Grand Prize - Best of Championship - Physical Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors

Garg, Dhruv; "Real-Time Feedback Modules to Enhance User Learning in Surgical Simulation" (121-A30-11) Mr. Kawanami
— First Place in Category
— $1000 First Prize, Morgan Lewis
— $500 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering
— Grand Prize Alternate - Physical Sciences - Trip to State Science Fair, SCVSEFA Board of Directors
— Medallion and Certificate of Merit, Herbert Hoover Presidential Library Association

Garg, Dhruv; "Real-Time Feedback Modules to Enhance User Learning in Surgical Simulation" (129-P20-2) Mr. Kawanami
— First Place Technical Paper
— Best Technical Papers in Biological and Physical Sciences, Dr. Paul X Callahan Grand Prize Technical Paper Awards

Marshall, Alex; "The Detection of Graviton Exchange Rate with Ocean Tides" (122-850-3) Mr. Stark
— First Place in Category
— Certificate of Achievement and Breakfast with the Director, NASA, NASA Ames Research Center
— Grand Prize - Best of Championship - Physical Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors

Nandamudi, Dhruv; "Cell Migration Across Functionalized Surfaces" (122-650-6) Mr. Kawanami
— First Place in Category
— $100 Honorable Mention, Morgan Lewis
— Grade 11 or 12 team - $400 cash, Genencor Biotechnology Awards
— Grand Prize - Best of Championship - Biological Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors

Penn, Alexander; "Advancement of Printed Circuit Boards: Manipulating Metal Adhesion of Masked Polymer Thin Films through Exposure to Supercritical Carbon Dioxide" (121-A60-12) Mr. Kawanami
— Honorable Mention in Category
— $500 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering
— 1st Place Award - $100 Cash, Magazine Subscription, Jeweler's Loop and framed cert, ASM International, A Society For Materials
— Certificate of Merit and lapel pin, National Society of Professional Engineers

Penn, Alexander; "Advancement of Printed Circuit Boards: Manipulating Metal Adhesion of Masked Polymer Thin Films through Exposure to Supercritical Carbon Dioxide" (129-P60-12) Mr. Kawanami
— First Place Technical Paper

Sivaram, Surya; "Extending the Range of UAVs through the Use of Proton Exchange Membrane Cells and Other Renewable Energy Sources" (121-A40-7) Mr. Kawanami
— First Place in Category
— $500 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering
— 3rd Place Award - $50 Cash, Magazine Subscription, Jeweler's Loop, and framed cert, ASM International, A Society For Materials
— Certificate of Achievement and Breakfast with the Director, NASA, NASA Ames Research Center
— $50 Gift Certificate, medallion, and Certificate of Achievement, United States Navy and Marine Corps
— Honorable Mention - $25 Cash and plaque, Walter C. Benzing Science Award
— Padfolio, USB drive, PDA, pen and pencil set and Certificate of Achievement, United States Air Force

Stemp, Daniel; "Cell Migration Across Functionalized Surfaces" (122-650-6) Mr. Kawanami
— First Place in Category
— $100 Honorable Mention, Morgan Lewis
— Grade 11 or 12 team - $400 cash, Genencor Biotechnology Awards
— Grand Prize - Best of Championship - Biological Sciences - Trip to Intel ISEF, SCVSEFA Board of Directors

Viswanadham, Ratnalekha; "The Application of Tuned Mass Dampers for Earthquake Safety" (091-A30-7) Giffin
— Second Place in Category
— 2nd Place HS Award - $75 Cash plus cert, American Society of Civil Engineers
— Full scholarship to COSMOS provided student is accepted in the program, ongoing mentoring, travel to ISEF as student observer (dependent on funding), Intel Promising Young Scientist Award/COSMOS
— HP Digital Camera, Hewlett-Packard Laboratories

Wong, Eric; "Sudden Oak Disease Presence in Rancho San Antonio" (092-110-6) Giffin
— Honorable Mention in Category

Wu, Hung-Jen; "Sudden Oak Disease Presence in Rancho San Antonio" (092-110-6) Giffin
— Honorable Mention in Category

Xue, Charles; "A Study of the Properties of Prions and Proposed Duplication of Telomerase in Order to Cause Apoptosis and Prevent the Breaching of the Hayflick Limit in Cancer Cells" (121-510-7) Tsai
— One Year Subscription to Scientific American & sample issue, Scientific American

Mountain View Academy

Chou, Meng-Ta; "Making the Motor, A Better Machine" (111-850-12) Mr. Marxmiller
— Second Place in Category
— Certificate of Achievement, United States Army

Concepcion, Katie; "The Oceanic Acidification Effect on Mollusks" (111-250-8) Mr. Marxmiller
— Honorable Mention in Category
— $100 Cash, Certificate of Achievement, and book about female scientist, Association for Women in Science - Palo Alto Chapter
— One Year Subscription to Scientific American & sample issue, Scientific American
— Tshirts, Suntrek Solar

Oak Grove High School

Dang, Dao Nguyen; "Durability and Resistance of Papercrete" (122-A40-4) Mrs. Evans
— $50 Cash, Professional and Technical Consultants Association (PATCA)
— 1st Place Award - $60 Cash plus certificate, United States Metric Association
— 2nd Place Award - $75 Cash plus framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Huynh, Huy; "Everyday Armor with Shear-thickening Fluid" (112-A10-9) Mrs. Evans
— 3rd Place Award - $50 Cash plus framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Le, Diana; "Soil Remediation" (102-220-10) Mrs. Evans
— Tshirts, Suntrek Solar

Leifson, Andrew; "Air Pollution" (111-270-13) Mrs. Evans
— Honorable Mention in Category
— Tshirts, Suntrek Solar

Macnguyen, Vivien; "The Chemical Effects of Exposing Plastic to Microwave Radiation" (101-740-4) Mrs. Evans
— Second Place in Category

Nguyen, Jason; "Everyday Armor with Shear-thickening Fluid" (112-A10-9) Mrs. Evans
— 3rd Place Award - $50 Cash plus framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Nguyen, Kevin; "I Am Algae Give Me More" (111-240-12) Mrs. Evans
— Tshirts, Suntrek Solar

Nguyen, Kim; "Bacteria Growing in Sand or Water" (111-670-7) Mrs. Evans
— Certificate of Achievement, United States Army

Nguyen, KySon; "Durability and Resistance of Papercrete" (122-A40-4) Mrs. Evans
— $50 Cash, Professional and Technical Consultants Association (PATCA)
— 1st Place Award - $60 Cash plus certificate, United States Metric Association
— 2nd Place Award - $75 Cash plus framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Nguyen, Trieu; "Durability and Resistance of Papercrete" (122-A40-4) Mrs. Evans
— $50 Cash, Professional and Technical Consultants Association (PATCA)
— 1st Place Award - $60 Cash plus certificate, United States Metric Association
— 2nd Place Award - $75 Cash plus framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Okaru, Weruche; "Saving New Orleans" (111-A40-13) Mrs. Evans
— 1st place - $50 cash, certificate, and free course materials to attend safe boating course, United States Coast Guard Auxiliary, Flotilla 4-9, 11NR
— 3rd Place HS Award - $50 Cash plus cert, American Society of Civil Engineers
— $50 Gift Certificate, medallion, and Certificate of Achievement, United States Navy and Marine Corps

Tieu, Amy; "Colorimetric Analysis of Water Soluble Protein Concentration" (101-730-8) Mrs. Evans
— $50 Cash award, San Jose State University Student Affiliates of the American Chemical Society

To, Justin; "'Much Ado about Nothing': An Analysis of the Thermal, Optical, and Other Physical Properties of Various Aerogel Nanocomposites" (101-750-13) Mrs. Evans
— First Place in Category
— Certificate of Achievement and Breakfast with the Director, NASA, NASA Ames Research Center
— Grand Prize - Best of East Side Union High School District - Trip to Intel ISEF, SCVSEFA Board of Directors
— Honorable Mention-framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Tran, Amanda; "The Oxidation Operation: Effect of Particle Size on the Spectral Response & Oxidation of Titanium Dioxide" (111-730-2) Mrs. Evans
— First Place in Category
— $50 Cash award, San Jose State University Student Affiliates of the American Chemical Society
— Honorable Mention-framed cert, SAMPE - Society for the Advancement of Material and Process Engineering
— One Year Subscription to Scientific American & sample issue, Scientific American
— Third Place High School Award - $75, RAE Systems

Tran, Jeannie; "Aromatic Effects on Calorie-Restricted Gryllus bimaculatus" (101-310-9) Mrs. Evans
— First Place in Category
— Grand Prize - Best of East Side Union High School District - Trip to Intel ISEF, SCVSEFA Board of Directors

Tran, Van; "Determination of Pigments in Green Beans" (102-710-13) Mrs. Evans
— First Place in Category
— Grand Prize Alternate - East Side Union High School District - Trip to State Science Fair, SCVSEFA Board of Directors

Trinh, Katerina; "Determination of Pigments in Green Beans" (102-710-13) Mrs. Evans
— First Place in Category
— Grand Prize Alternate - East Side Union High School District - Trip to State Science Fair, SCVSEFA Board of Directors

Vu, Dao; "Soil Remediation" (102-220-10) Mrs. Evans
— Tshirts, Suntrek Solar

Vu, Kenneth; "Everyday Armor with Shear-thickening Fluid" (112-A10-9) Mrs. Evans
— 3rd Place Award - $50 Cash plus framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Presentation High School

Aiyaswamy, Sruti; "The Effect of Alcohol on Biological Membranes" (122-130-2) Dr. Howe
— First Place in Category
Barajas, Brenda; "The Effect of Alcohol on Biological Membranes" (122-130-2) Dr. Howe
— First Place in Category
Barekat, Kayla; "The Effect of Alcohol on Biological Membranes" (122-130-2) Dr. Howe
— First Place in Category
Bernal, Mary Clare; "The Effects of Shortwave UV Light on Pea Plants" (102-120-5) Dr. Howe
— First Place in Category
Besse, Jacquelynn; "The Effects of Shortwave UV Light on Pea Plants" (102-120-5) Dr. Howe
— First Place in Category
Dominion, Catherine; "Impact of Planktos on Plankton" (112-220-4) Pistacchi
— Tshirts, Suntrek Solar
Doudell, Kelly; "The Influence of Incubation Temperature on Phages and Bacteria" (102-620-4) Dr. Howe
— Honorable Mention in Category
Jaffer, Elena; "The Effect of Charcoal on Plant Growth" (102-240-2) Dr. Howe
— Honorable Mention in Category
— Tshirts, Suntrek Solar
Parks, Bristin; "Impact of Planktos on Plankton" (112-220-4) Pistacchi
— Tshirts, Suntrek Solar
Pepping, Michelle; "A Chemical Analysis of Creek Water" (102-230-6) Dr. Howe
— Tshirts, Suntrek Solar
Perrone, Laura; "The Influence of Incubation Temperature on Phages and Bacteria" (102-620-4) Dr. Howe
— Honorable Mention in Category
Reagan, Christina; "The Effect of Charcoal on Plant Growth" (102-240-2) Dr. Howe
— Honorable Mention in Category
— Tshirts, Suntrek Solar
Talieh, Zahra; "A Chemical Analysis of Creek Water" (102-230-6) Dr. Howe
— Tshirts, Suntrek Solar
Teh, Su A.; "The Fermentation of Sugar by Yeast" (102-150-6) Dr. Howe
— 2nd place - $60 cash award, Northern California Institute of Food Technologists (NCIFT)
Wong, Angela Y.; "The Fermentation of Sugar by Yeast" (102-150-6) Dr. Howe
— 2nd place - $60 cash award, Northern California Institute of Food Technologists (NCIFT)

Prospect High School

Alam, Rehan; "Voice Control System for Robots" (111-B20-13) Ms. Antony
— Certificate of Achievement, United States Army

Saint Francis High School

Verma, Malvika; "Wavelength or Frequency, What Changes? Wavelength of Light in Different Liquids Using a Diffraction Pattern" (101-820-4) Lautenslager
— Full scholarship to COSMOS provided student is accepted in the program, ongoing mentoring, travel to ISEF as student observer (dependent on funding), Intel Promising Young Scientist Award/COSMOS

San Jose High Academy

Fateen, Dahlia; "The Effect of Toxins on Daphnia magna Heart Rate and Death Rate" (112-240-9) Sarkar
— Second Place in Category
— Tshirts, Suntrek Solar
Suleiman, Leena; "The Effect of Toxins on Daphnia magna Heart Rate and Death Rate" (112-240-9) Sarkar
— Second Place in Category
— Tshirts, Suntrek Solar

San Jose Math Circle

Tran, Jacqueline; "The Occurence of Landslides in Comparison to various Levels of Precipitation and Degrees of Slope" (101-910-13) Dr. Howe
— $100 Cash Award to Grades 9-10, Trimble Navigation Ltd.
— 1st Place HS Award - $100 Cash plus cert, American Society of Civil Engineers

Santa Teresa High School

Avidano, Melissa; "Average Velocity of Different Water Polo Shots" (122-830-11) Mrs. Dimas
— Honorable Mention in Category
Hur, Angela; "Differentiating Energy Levels of White Light and Color Spectrum" (122-860-12) Mrs. Dimas
— $1000 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering

Kyffin, Chelsea; "Average Velocity of Different Water Polo Shots" (122-830-11) Mrs. Dimas
— Honorable Mention in Category

Zaidi, Samera; "Differentiating Energy Levels of White Light and Color Spectrum" (122-860-12) Mrs. Dimas
— $1000 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering

Saratoga High School

Chou, Ashley; "E. coli as a Surrogate for Shewanella Gene Regulation" (111-641-4) Mr. Kucer
— Honorable Mention in Category
— Grade 11 Individual Project - $200 cash award, Genencor Biotechnology Awards

Kumar, Malika; "Functional Studies of Novel Transcripts in Saccharomyces Cerevisiae Through Deletion Analysis" (102-610-8) Mr. Kucer
— First Place in Category

White, Caroline; "Taking the Mix Out of Chex Mix" (091-A60-8) Mr. Kucer
— First Place in Category
— Book & Certificate of Achievement - High School, Society of Women Engineers
— Cash Award, Varian Medical Systems
— $50 Gift Certificate, medallion, and Certificate of Achievement, United States Navy and Marine Corps

Zarrin, Haley; "Functional Studies of Novel Transcripts in Saccharomyces Cerevisiae Through Deletion Analysis" (102-610-8) Mr. Kucer
— First Place in Category

Schmahl Science Workshop

Bodapati, Sunil; "Using Photoacoustics to Validate Cy5:5 RGD as a Viable Imaging Agent For Brain Cancers" (111-550-10) Schmahl
— First Place in Category

Bodapati, Sunil; "Using Photoacoustics to Validate Cy5:5 RGD as a Viable Imaging Agent For Brain Cancers" (119-L60-1) Schmahl
— Honorable Mention for Technical Paper

Osterback, Travis; "Battle of the Fuels" (091-210-1) Ms. Lowe-Schmahl
— Tshirts, Suntrek Solar

Swamy, Supraja; "The Effects of Temperature Changes on Methanotrophs." (091-610-8) Schmahl
— Honorable Mention in Category
— One Year Subscription to Scientific American & sample issue, Scientific American

Tran, Timothy; "Identification and Analysis of Active Components in Milipede Secretions" (111-640-6) Schmahl
— Second Place in Category
— Honorable Mention Certificate and Goody Bag, Santa Clara County Biotech Education Partnership (SCCBEP)

Silver Creek High School

Agarwal, Kunal; "Making Plastic Stronger/Safer" (111-B30-9) Mr. Cervantes
— Second Place in Category
— $100 Honorable Mention, Morgan Lewis
— $50 Gift Certificate, medallion, and Certificate of Achievement, United States Navy and Marine Corps
— Grand Prize Alternate - East Side Union High School District - Trip to State Science Fair, SCVSEFA Board of Directors

Ali, Warda; "Measuring Released Sulfur Dioxide When Plastic Is Burned" (102-210-1) Mr. Cervantes
— Tshirts, Suntrek Solar

Capps, Jeffrey; "Measuring Released Sulfur Dioxide When Plastic Is Burned" (102-210-1) Mr. Cervantes
— Tshirts, Suntrek Solar

Cheung, Michael; "The Effects of Bioactive Plant Extracts of Eucalyptus, Sequoia, and Pine, on Lolium Seed Germination" (121-110-13) Ms. Tran
— Second Place in Category

Duong, Jennifer; "Phytoremediation/Testing Plant's Effectiveness in Absorbing Zinc" (122-110-10) Mr. Cervantes
— Second Place in Category

Felix, Jennifer; "Packbag EZ" (122-A10-3) Mauro
— $1000 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering

Grewal, Neelam; "The Effect of Microwave and Ultraviolet Radiation on the Antioxidant/Chelating and Indicator Properties of Pomegranate Juice as Determined by Spectrophotometric Analysis" (122-720-10) Mr. Cervantes
— First Place in Category
— Grand Prize - Best of East Side Union High School District - Trip to Intel ISEF, SCVSEFA Board of Directors

Ho, Cathy; "Packbag EZ" (122-A10-3) Mauro
— $1000 Scholarship to SJSU College of Engineering, San Jose State University College of Engineering

Kaur, Amanjeet; "The Effect of Microwave and Ultraviolet Radiation on the Antioxidant/Chelating and Indicator Properties of Pomegranate Juice as Determined by Spectrophotometric Analysis" (122-720-10) Mr. Cervantes
— First Place in Category
— Grand Prize - Best of East Side Union High School District - Trip to Intel ISEF, SCVSEFA Board of Directors

Locke, Chenele; "Growing Algae" (111-220-7) Mr. Cervantes
— Tshirts, Suntrek Solar

Mai, Yurong; "Threatening MIC Pottery --- Fiction or not?" (112-710-7) Mr. Cervantes
— Honorable Mention Award - Magazine Subscription and framed Certificate of Achievement, ASM International, A Society For Materials

Seu, Darline; "Nerium Oleander: Can This Locally Planted Killer be Beneficial?" (112-620-11) Ms. Tran
— Honorable Mention in Category
— $100 Cash, Santa Clara County Biotech Education Partnership (SCCBEP)

Solis, Sheilalyn; "Nerium Oleander: Can This Locally Planted Killer be Beneficial?" (112-620-11) Ms. Tran
— Honorable Mention in Category
— $100 Cash, Santa Clara County Biotech Education Partnership (SCCBEP)

Thach, Mason; "Threatening MIC Pottery --- Fiction or not?" (112-710-7) Mr. Cervantes
— Honorable Mention Award - Magazine Subscription and framed Certificate of Achievement, ASM International, A Society For Materials

Tran, Harold; "Phytoremediation/Testing Plant's Effectiveness in Absorbing Zinc" (122-110-10) Mr. Cervantes
— Second Place in Category

Wong, Meilin; "Phytoremediation/Testing Plant's Effectiveness in Absorbing Zinc" (122-110-10) Mr. Cervantes
— Second Place in Category

Wong, Vincent; "Homemade Spectrophotometer vs. Spectronic-20" (111-A20-8) Mr. Cervantes
— Second Place in Category
— 2nd place student - $50 plus cert, American Vacuum Society - Northern CA Chapter
— Certificate of Achievement, United States Army
— Honorable Mention-framed cert, SAMPE - Society for the Advancement of Material and Process Engineering

Valley Christian

Ivy, Brandon; "Automatic Manufacturing of Three Dimensional Objects" (111-A60-5) Adams
— $100 Cash Award, Fair Manager's Graphic Design Award
— Certificate of Achievement, United States Army
— HP iPAQ Pocket PC, Hewlett-Packard Laboratories