

Campus	Student/Teacher	Grade	Teacher	Topic	Award	Competition
AA	Jaydan Robledo & Narinder Badhan II	7G	Viraji Weerasena	Bridges and Disasters	James E. Roberts Award of Excellence and the 3rd Place in the Junior Division for the Civil and Environmental	LA County Science and Engineering Fair
AA	Jerry Xu	8G	Viraji Weerasena	Bioplastics	2nd Place, Junior Division for the Applied Chemistry Category	LA County Science and Engineering Fair
FRMS	Aeron Maheshwari & Sayan Mukhopadhyay	6	Ms. Swapna Mayya	Making Solar Panels Track the Sun	Middle School Third Place Category Award	ACSEF
FRMS	Haily Bhatt	6	Ms. Swapna Mayya	Which Eco-friendly Natural Dye Retain the Most Color Pigment on Cotton?	Middle School Third Place Category Award	ACSEF
FRMS	Karan Galhotra	6	Ms. Swapna Mayya	Removing Microplastics from Still Sea Water Using Human/Horse Hair	Middle School Third Place Category Award	ACSEF
FRMS	Kavin Anand & Liam Chwang	6	Ms. Swapna Mayya	Natural Anti-corrosive Coatings as Alternatives to Chemical Anticorrosive Coatings	Middle School First Place Category Award; Second Place Special Award - American Vacuum Society	ACSEF
FRMS	Neysa Soni	6	Ms. Swapna Mayya	Making an Eco-Friendly, Sustainable, and Economical Air Purifier	Middle School First Place Category Award; Thermo Fisher Scientific Junior Innovators Challenge Nominee; California Science and Engineering State Fair Nominee	ACSEF
FRMS	Prasheel Pendela & Avyaan Shivarekar	6	Ms. Swapna Mayya	Head-on Magnetic Breaks	Middle School Fourth Place Category Award	ACSEF
FRMS	Rishab Chaudhury	6	Ms. Swapna Mayya	Which drink has the most electrolytes?	Middle School Fourth Place Category Award	ACSEF
FRMS	Samar Srikrishna	6	Ms. Swapna Mayya	Which is the best material to capture fog droplets?	Middle School Second Place Category Award; Special Award - Naval Science Award	ACSEF
FRMS	Sanaa Srikrishna	6	Ms. Swapna Mayya	Electri - Sea Bending Waves into Power	Middle School Third Place Category Award	ACSEF
FRMS	Tess Brunet & Harini Mallipeddi	6	Ms. Swapna Mayya	Power in Motion: Turning Footsteps into Renewable Energy	Middle School Second Place Category Award	ACSEF
FRMS	Tannishq Kakar	7	Ms. Deepanshi Kumar	Measuring Pollution Levels through Dinoflagellate Response	Middle School First Place Category Award	ACSEF
FRMS	Shiven Vepa	7	Ms. Deepanshi Kumar	Identifying Eco-Friendly Resources to Make Paint More Fire-Retardant	Middle School Second Place Category Award; Special Award - U. S. Air Force Award	ACSEF
FRMS	Ching Mun Kok, Abir Jain, Sachiko Colleen	7	Ms. Deepanshi Kumar	Obstacle Detecting Glasses	Middle School Second Place Category Award	ACSEF
FRMS	Kunal Agrawal	7	Ms. Deepanshi Kumar	Smart Hydrogel Irrigation System for Sustainable Agriculture	Middle School Second Place Category Award	ACSEF
FRMS	Siddhansh Gautham	7	Ms. Deepanshi Kumar	A Solar Powered, Servo-Controlled, Automated Fog Netting System	Middle School Third Place Category Award; Special Award - Broadcom Coding with Commitment	ACSEF
FRMS	Prisha Shah & Ahana Karaje	7	Ms. Deepanshi Kumar	Analyzing Bias Across AI Models	Middle School Third Place Category Award	ACSEF
FRMS	Prethyaksha Thirumalai	7	Ms. Deepanshi Kumar	Blind Spot Detection system	Middle School Third Place Category Award	ACSEF
FRMS	Glenn Huang, Jericho Toledo, Hanming Zen	7	Ms. Deepanshi Kumar	A Study of Solar Panels' Effectiveness Against Obstructions	Middle School Third Place Category Award	ACSEF
FRMS	Tanmayee Movva	7	Ms. Deepanshi Kumar	Photosynthesis: An Analysis in Indoor Plants	Middle Schools Third Place Category Award	ACSEF
FRMS	Jai Kotak	7	Ms. Deepanshi Kumar	SkyIntel: Climate Cast	Middle School Third Place Category Award	ACSEF
FRMS	Saren Krishnapillai	7	Ms. Deepanshi Kumar	Peels to Meals: Combatting Malnutrition using Peel-Based Snacks	Middle School Third Place Category Award	ACSEF
FRMS	Emily Lin & Malia Lee	7	Ms. Deepanshi Kumar	PPCPs Impact on Algae Growth and pH Levels	Middle School Third Place Category Award	ACSEF
FRMS	Divya Salaka, Kaylee Xia, Grace Zhao	7	Ms. Deepanshi Kumar	Flood Proof House Foundations and Materials	Middle School Third Place Category Award	ACSEF
FRMS	Abir Kulkarni	7	Ms. Deepanshi Kumar	Which Biodegradable Household Material is the Best for Retaining Water	Middle School Third Place Category Award	ACSEF
FRMS	Sanvi Kumar	7	Ms. Deepanshi Kumar	Electrochemical pH Modification: Seawater Alkalinity to enhance CO2 absorption	Middle School 4th place Category Award, Special Award-National Oceanic and Atmospheric Administration	ACSEF
FRMS	Hanaa Usmani	7	Ms. Deepanshi Kumar	Optimal Washing Time to Minimize Pesticide Penetration and Adhesion	Middle School Fourth Place Category Award	ACSEF
FRMS	Kain Li & Fangming Zhang	8	Ms. Swapna Mayya	Testing UV-Activated Hydrogel Films for Sunlight-Reducing Smart Windows	Middle School Second Place Category Award; First Place Special Award - American Vacuum Society	ACSEF
FRMS	Katherine Huang	8	Ms. Swapna Mayya	Which Pendulum length is best to Maximize Stability During an Earthquake?	Middle School Third Place Category Award	ACSEF
FRMS	Zipei Zhou & Marya Minal	8	Ms. Swapna Mayya	Effect of Biodegradable Hydrogels on Growth of Radish Plants?	Middle School Third Place Category Award; Special Award - National Oceanic and Atmospheric Administration	ACSEF
MV	Rainn Yeo	7	Mr. Jason Unger	Early Fire Detection System	Naval Science Award for Outstanding STEM project	Orange County Science & Engineering Fair
PAMS	Aarit Chakraborty	7	Dr. Akash Tayal	Treble to Bass Clef Converter (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
PAMS	Parth Gupta	6	Dr. Akash Tayal	Designing a Bookmark to Help Prevent Myopia (Physical Science and Engineering)	Lower Division :- Honorable Mention Student Award: \$50 and Certificate of Achievement, Association for Computing Machinery (ACM) Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
PAMS	Joshua Burlyga	7	Dr. Akash Tayal	Bright and Sustainable?: Creating Natural, Non-Toxic Paint Alternatives (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
PAMS	Aaron Li	7	Dr. Akash Tayal	Peels to Polymers: Food Waste Hydrogels as Low-Cost Alternatives to Commercial Hydrogels for Drought Resilience (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association

Campus	Student/Teacher	Grade	Teacher	Topic	Award	Competition
PAMS	Alexis Sheng	6	Dr. Akash Tayal	Design of Biodegradable Menstrual Pads Using Naturally Derived Fiber Composites (Biological Science and Engineering)	Nominated to compete envelope to apply for Thermo Fisher JIC, Thermo Fisher JIC - 7th Grade 1st Award, Biological Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
PAMS	Lev Wiesner	7	Dr. Akash Tayal	Using Piezoelectricity from Commuters Footsteps to Power IOT and Low-Power Devices (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
PAMS	Leo Xu	7	Dr. Akash Tayal	Treble to Bass Clef Converter (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	
PAMS	Rayansh Sekhri	7	Dr. Akash Tayal	<i>Peels to Polymers: Food Waste Hydrogels as Low-Cost Alternatives to Commercial Hydrogels for Drought Resilience (Physical Science and Engineering)</i>	Nominated to compete envelope to apply for Thermo Fisher JIC, Thermo Fisher JIC - 7th Grade 1st Award, Physical Science and Engineering Category GR 6-8: First place, \$100 and trophy, Richardson Environmental Awards	
PLMS	Aadhya Rao, Anushka Pati, Aashna Doshi	6		Earthquake resistant material	1st place CSEF Qualifier and ThermoFisher Award Nominee	ACSEF
PLMS	Rohan Kommana	7		Effectiveness of Self-Made Filters to reuse Kitchen-Sink Greywater for Gardening	1st place	ACSEF
PLMS	Sarah Pan	6		The Best Insulation for a House	2nd place Women GeoScientist Award	ACSEF
PLMS	Mohana Shri Sendilraj	7		AI Waste Sorting Machine	2nd place	ACSEF
PLMS	Emily Chan	7		Automatic Clothing Folder	2nd place CVN Wisdom in STEM Award - Caring Valley Special Award	ACSEF
PLMS	Naman and Aditya	8		Sustainable Sparks and Pure Horizons	2nd place 1st Place for Excellence in water , waste water, recycled water	ACSEF
PLMS	Daniyaal Patel, Vihaan Gandhi, Aishi Bag	6		Farmer's Friend: A Piezoelectric Plant-Protecting System	3rd place	ACSEF
PLMS	Inaaya Khan	6		AI Food Scanner	3rd place	ACSEF
PLMS	Lucas Lu	7		Ultraviolet Protection Factor of Fabrics: The Role of Material and Color	3rd place	ACSEF
PLMS	Aaron	7		Automatic Ingredient Dispenser	3rd place	ACSEF
PLMS	Samin Sethi	7		Exemplary Electromagnets and Versatile Vehicles	3rd place	ACSEF
PLMS	Harris Jatoi	6		Build an Ultrasonic Levitator	Special Award Naval Science Award, United States Air Force Award	ACSEF
SJMS	Arundhati Krishnan	7	Mrs. Triolo	SenseStick - Designing an AI based walking stick to detect and notify visually impaired users. (Biological Science and Engineering)	IEEE Electro-Technology \$25 Amazon gift card and a certificate, Institute of Electrical and Electronics Engineers	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SJMS	Vihaan Mehta	7	Mrs. Triolo	Gestura: A Bi-Directional Real Time ASL Communication System (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SJMS	Varun Panchagnula	7	Ciera Nguyen	ZenFold: An inventive solution to folding clothes (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Stratford Preparatory Milpitas				Outstanding School Award	
SPM	Samaira Deshmukh & Shreyan Poddar	7	Viet Dinh	An AI-Assisted Smart Walking Stick for Environmental Awareness and Navigation (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Ilina Bopardikar & Grace Chen	7	Joshua Pinzas	Assessment of Lithium Adsorption Using Bio vs Non-Bio Adsorbents in Soil-Based Filters across Aquatic Environments (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Vivann Partani	8	Joshua Pinzas	Electromyographic Prosthetic Hand Prototype (Biological Science and Engineering)	Isabelle Stone Award for Best Biological Science Projects Nominated to compete envelope to apply for Thermo Fisher JIC, Thermo Fisher JIC - 8th Grade 1st Award, Biological Science and Engineering Category Qualified to participate in the California State Science & Engineering Fair (CSEF)	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Gaogao Lang & Arjun Kushal Shah	8	Joshua Pinzas	Garbo: A Prototype Autonomous Robotic System Employing CNNs for Real-Time Detection and Classification of Urban Waste (Physical Science and Engineering)	IEEE Electro-Technology \$25 Amazon gift card and a certificate, Institute of Electrical and Electronics Engineers (Part 2)	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association

Campus	Student/Teacher	Grade	Teacher	Topic	Award	Competition
SPM	Antonio Varghese Muthalay & Sangam Singh Dhaliwal	8	Joshua Pinzas	HelioThreads Energy Systems (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Hiranmayi Gollakota	6	Lekhana Revankar	Measuring the Sugar Content of a Liquid (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category 3rd place MS project - \$50 and Certificate of Achievement, American Vacuum Society, Northern CA IEEE Electro-Technology \$25 Amazon gift card and a certificate, Institute of Electrical and Electronics Engineers	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Aahana Swapnil Mhatre & Saanvi Agrawal	7	Viet Dinh	Mycoremediation of Simulated Fire Retardant Runoff with Species of Pleurotus ostreatus (Physical Science and Engineering)	2nd Award, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Prisha Ranya Rajkumar & Panash Chandwani	8	Joshua Pinzas	Polysaccharide Aerogels: A Novel Approach to Oral Drug Delivery - Modeling Insulin Release (Biological Science and Engineering)	Honorable Mention, Biological Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Advika Vinodh & Saanvi Suraj Powar	7	Nicole Wade	Purifying Water with Pectin: An Organic Approach to Filtration (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Jiya Soni & Neha Karthick	7	Nicole Wade	Synergistic Remediation of Estrogenic Micropollutants from Soil through Biochar-Chitosan-Zeolite Hybrid Adsorbents (Physical Science and Engineering)	2nd Award, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Arav Govinda Siruole	6	Lekhana Revankar	The Effect of Magnetic Strengths on Simulated Drug Targeting (Biological Science and Engineering)	IEEE Electro-Technology \$25 Amazon gift card and a certificate, Institute of Electrical and Electronics Engineers	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Anaka Ganesh & Praneetha Santhana Krishnan	7	Nicole Wade	Trash to Treasure: Eco-Friendly Bricks from Discarded Plastics (Physical Science and Engineering)	Nominated to compete envelope to apply for Thermo Fisher JIC, Thermo Fisher JIC - 7th Grade 1st Award, Physical Science and Engineering Category 2nd Place - \$75, Certificate of Achievement, SAMPE - Society for the Advancement of Material and Process Engineering Qualified to participate in the California State Science & Engineering Fair (CSEF)	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Simran Khurana	6	Lekhana Revankar	Water Filtration (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPM	Meera Ramanathan	6	Lekhana Revankar	What is the effect of refrigeration on the amount of vitamin C in different fruits? (Physical Science and Engineering)	2nd Award, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SPB	Vedant Baji	6	Ashwinder Kahlon	Tiltelligence (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Sripranav Pisipati	6	Ashwinder Kahlon	Tiltelligence (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Ren Cai	8	Heather Mackewicz	Quantum Entanglement and Plant Bioelectricity: Testing Cross-Species Electrical Synchronization (Biological Science and Engineering)	Honorable Mention, Biological Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Everett Song	8	Heather Mackewicz	Artificial Intelligence-Based Vision System for Safety Critical Assembly Quality Monitoring (Physical Science and Engineering)	Nominated to compete envelope to apply for Thermo Fisher JIC, Thermo Fisher JIC - 8th Grade	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Everett Song		Heather Mackewicz		1st Award, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Saanjali Sai Vinay	7	Heather Mackewicz	IONIS: An Intelligent Obstacle Detection and Navigation System to Improve Independent Mobility (Biological Science and Engineering)	Lower Division :- Honorable Mention Student Award: \$50 and Certificate of Achievement, Association for Computing Machinery (ACM)	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Saanjali Sai Vinay		Heather Mackewicz		Honorable Mention, Biological Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Ishan Chaugule	8	Neha Makhijani	Unsticking the Future: Assessing PFAS Reduction Pathways in the Teflon Industry and its Environmental Impact (Physical Science and Engineering)	Third Place Award: \$100 shared with team members(s) and framed certificate, SVACS Dave Parker Award for Excellence in Chemistry	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association

Campus	Student/Teacher	Grade	Teacher	Topic	Award	Competition
	Rufan Yin	11	Jaime McIntyre	Real-time Disaster Search & Rescue System utilizing Semantic Segmentation and Object Recognition onboard Fixed-wing UAV (Physical Science and Engineering)	1st Award, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Orchita Chakraborty	11	Anuradha Murthy	Sustainable Bioremediation: Transforming Saccharomyces cerevisiae using CRISPR/CAS9 for oil spill cleanup (RRI Physical Science and Engineering)	2nd Award, RRI Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
	Eshan Patel	10	Jayalakshmi Nair	Self-Adjusting Lanes for Urban Traffic Optimization (Physical Science and Engineering)	Honorable Mention, Physical Science and Engineering Category	Synopsys Science & Technology Championship, Santa Clara Valley Science & Engineering Fair Association
SFMS	Jacob Yen	7	Mr. Leland Fong	Changing Soil Density (effect on growth of potato stalks);	1st Place;	Randall Museum - Golden Gate STEM Fair
SFMS	Angelina Lam	7	Mr. Leland Fong	Which sea-plant (seagrass, algae, seaweed) reduced acidity;	1st Place;	Randall Museum - Golden Gate STEM Fair
SFMS	Karcher Brown	7	Mr. Leland Fong	Oil Spill Clean-Up (Magnetic Nano-Particles);	2nd Place;	Randall Museum - Golden Gate STEM Fair
SFMS	Aaren Gambhir	6	Mr. Leland Fong	How Washing Fabric (Containing Microplastics) at Different Temperatures Changes the Amount of Microplastics Released;	2nd Place;	Randall Museum - Golden Gate STEM Fair
SFMS	Lily Phiasivongsa	7	Mr. Leland Fong	Environmental safety of sunscreen (physical vs. chemical sunscreens);	3rd Place;	Randall Museum - Golden Gate STEM Fair
SFMS	Nathan Li	7	Mr. Leland Fong	Food Preservation Methods (Sun-Drying/Beeswax Immersion/European Pickling) to preserve cooked meat;	3rd Place;	Randall Museum - Golden Gate STEM Fair
SFMS	Isabella ("Izzy") Galliano Escalona	6	Mr. Leland Fong	Which fabric (cotton, canvas, linen, muslin, burlap) prevents chocolate sauce ("oil") from leaking (due to density)?	3rd Place;	Randall Museum - Golden Gate STEM Fair
SFMS	Jamie Miki	7	Mr. Leland Fong	Reduce building oscillation using Tuned Mass Dampers;	Honorable Mention	Randall Museum - Golden Gate STEM Fair
SFMS	Daniel Lai	7	Mr. Leland Fong	Effect of Changing Blade Angle of Wind Turbine on Rotational Speed;	Honorable Mention	Randall Museum - Golden Gate STEM Fair
SFMS	Abigail Ayson	7	Mr. Leland Fong	Blocking UV Rays Effectively (Polycarbonate, Acrylic, PET);	Honorable Mention	Randall Museum - Golden Gate STEM Fair
SFMS	Oliver Kim	6	Mr. Leland Fong	Effect of Insulating water in mason jar (aluminum, bubble wrap, foam);	Honorable Mention	Randall Museum - Golden Gate STEM Fair