

AMERICAN METEOROLOGICAL SOCIETY AWARD

Ameya Naik

Determining the Effect of Ground Terrain on Sacramento Valley Supercells

Mira Loma High School

AMERICAN PSYCHOLOGICAL ASSOCIATION AWARD

Austin Brackett

How does Social media affect mental Health in Adults

E.V. Cain Charter Middle School

ASSOCIATION FOR WOMEN GEOSCIENTISTS AWARD

Esperanza Rodriguez & Athena Chaparro
PLASTIC BAG "BIODEGRADE"
River City High School

ASU ROB AND MELANI WALTON SUSTAINABILITY SOLUTIONS AWARD

Nishita Bagaria, Prianka Venkatesh & Mai-Linh Nguyen

Biofuel: Turning Grease Into Gas

Vista Del Lago



CALIFORNIA ASSOCIATION OF PROFESSIONAL SCIENTISTS (CAPS) SCIENCE ACHIEVEMENT AWARD

"Jacqueline Prawira

Bio.fiber.plastic: The Effect of Lignocellulosic Fiber in Reinforcing the Tensile
Strength of Rice Bioplastic
Altamont Elementary School

CALIFORNIA AIR RESOURCES BOARD AWARD

Science Project Award

Yahvin Gali

Hydro Energy Sphere- Bouyless Biomimetic Versatile Hydrokinetic energy
Harvester Using Electromagnetic Induction (Novel Design)
California Connections Academy

Honorable Mentions

Brittany Saetern

Reducing Global Warming

River City High School

Kayla Page Soot Hurts River City High School

Jordan Prawira
Stacked-a-Wind: Devloping Vertical-Axis wind Turbine for Various Wind Speed
Altamont Elementary School

Kim Pham and Sabrina Terando Food Waste to Ethanol Vista Del Lago High School

Priyanka Venkatesh, Nishita Bagaria, & Mai-linh Nguyen Biofuel: Turning Grease Into Gas Vista Del Lago High School

Khadeeja Baqui
Creating a Program to Help COPD Patients Avoid Hospitalization
Al Argam Islamic School

GENIUS OLYMPIAD

Rhitishah Yuva Raju

Reducing Test Anxiety To Increase Academic Performance Through Novel

Breathing Techniques and Digital Visualization

Mira Loma High School

Angel Gutierrez & Kristofer Thomas *Hydro Wheel*School of Engineering and Sciences

INTEL EXCELLENCE IN COMPUTER SCIENCE AWARD

Patrick Song

Predicting Alzheimer's Disease: A Neural Network-Based Classification of MRI-Data

Davis Senior High School

MU ALPHA THETA NATIONAL MATHEMATICS HONOR SOCIETY

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NASA EARTH SYSTEM SCIENCE AWARD

Ameya Naik

Determining the Effect of Ground Terrain on Sacramento Valley Supercells

Mira Loma High School

NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION AWARD

Ameya Naik

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NORTHERN CALIFORNIA SOCIETY OF TOXICOLOGY

Senior Division

Sabrina Yarzada

Henna as an Antifungal

Sacramento School of Engineering and Sciences

Junior Division

Ashlyn Roice & Alicia Roice Radical Terminators Altamont Elementary School

Honorable Mentions

Hadley Reed
The effect of Green detergent and Tide on yeast cell health
E.V. Cain Charter Middle School

Elena Moreno & Karla Leal The truth about toothbrushes River City High School

Jamison Celio

How much time of exposure to ultraviolet rays will kill E. coli

E.V. Cain Charter Middle School

Corrie Wilson Teeth Whitening Without Discomfort Bradshaw Christian High School



NORTHERN CALIFORNIA SOCIETY OF TOXICOLOGY

Honorable Mentions

Pavithra Sundaravaradian
Cheaper Cancer Detection: Using the Alpha Fetoprotein and the CA-125 Protein
to create a cheap, accurate and effective test for cancer
Mira Loma High School

Mason Strawn and John Van Parys

Is your water clean?

Our Lady of the Assumption

Jacqueline Priawira

Bio fiber plastic: The Effect of Lignocellulosic Fiber in Enhancing the Formation and Tensile Strength of Rice Bioplastic

Altamont Elementary School

Will Myatt

How do fertilizers affect microorganisms that live in water?

W.F. Mitchell Middle School

OFFICE OF NAVAL RESEARCH AWARD

Guadalupe Bernal

Deep Learning Based Collision Avoidance Algorithm for Mobile Robots in

Pedestrian Environments

Folsom High School

Anish Singhani
SAE Level 5-Conformant Self-Driving Car Using Deep Learning and Path Planning
Algorithms Without Requiring LIDAR
Monte Vista High School

Grace Hanson
Testing Building Designs With A Wind Tunnel
Brookfield Middle School



Anna Soares
Watts up in your house?
E.V. Cain Charter Middle School

Yahvin Gali

Hydro Energy Sphere - Bouyless Biomimetic Versatile Hydrokinetic Energy
Harvester using Electromagnetic Induction (Novel Design)
California Connections Academy

Jacqueline Prawira

Bio.fiber.plastic: The Effect of Lignocellulosic Fiber in Reinforcing the Tensile

Strength of Rice Bioplastic

Altamont Elementary School

PROFESSIONAL ENGINEERS IN CALIFORNIA GOVERNMENT (PECG) EXCELLENCE IN ENGINEERING AWARD

Guadalupe Bernal

Deep Learning Based Collision Avoidance Algorithm for Mobile Robots in

Pedestrian Environments

Mira Loma High School

RICOH SUSTAINABLE DEVELOPMENT AWARD

Henry Tsai Modular Solar-Powered Water Pumps Folsom High School

SMUD BEST IN ENERGY

Eliah Reeves

Changing the Electrical Resistance of Water

W.E. Mitchell Middle School

Angel Gutierrez & Kristofer Thomas *Hydro Wheel*School of Engineering and Sciences

SOCIETY FOR IN VITRO BIOLOGY AWARD

Sabrina Yarzada

Henna as an Antifungal

School of Engineering and Sciences

STOCKHOLM JUNIOR WATER PRIZE

Henry Tsai Modular Solar-Powered Water Pumps Folsom High School

owered Water Pumps
High School

Haley Sais & Johnna Whipple

Aquaponic Farming

River City High School

US AIR FORCE AWARD

Ameya Naik

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Mira Loma High School

Guadalupe Bernal

Deep Learning Based Collision Avoidance Algorithm for Mobile Robots in

Pedestrian Environments

Folsom High School

Nikolas Agadjanian The Zipf's Law Mystery River City High School

Gautam Pradeep

Determination of the Orbital Elements of Near-Earth Asteroid 1999 LO28 Using

The Method of Gauss

Mira Loma High School



U.S. METRIC ASSOCIATION

Henry Tsai Modular Solar-Powered Water Pumps Folsom High School



YALE SCIENCE AND ENGINEERING ASSOCIATION

Sydney Walthall
Solar Powered Angles
C.K. McClatchy High School

The following award winners are to be posted:

CALIFORNIA DEPARTMENT OF WATER RESOURCES AWARD

Congratulations again to all our Winners!

All participating students developed AMAZING projects for our judges to view

You have ALL accomplished so much. We hope to see you ALL in 2019!

