



Solano County Office of Education
proudly presents the:

11th Annual
**Solano County Science
& Engineering Fair**

Thursday, March 14, 2024

SCIENCE AND ENGINEERING FAIR AWARDS CEREMONY

THURSDAY, MARCH 14, 2024 | | 6:00 PM TO 7:30 PM

Welcome Remarks

Lisette Estrella-Henderson

Solano County Superintendent of Schools

Keynote

Jason Gouw

CEO & Founder, Cubit Education

Recognition of Winners

Dr. Lilibeth Pinpin

Director, Innovative Programs & Student Success

SCIENCE FAIR JUDGES

Adrian Ocampo | Briana Lewis | Dharaa Upadhyaya | Doug Ledbetter
Esmeralda Segura | Geleta Argo | Jack Davault | Jerry Jensen | Lea Pfeffer
Louise Blavet | Michael Strange | Mike Roush
Rubi Catalan | Zainab Saylawala

A SPECIAL THANK YOU TO ALL OF YOU !

Lisette Estrella-Henderson

Solano County Superintendent of Schools

Board of Education

Ginger Dunne, President | Michelle Coleman, Vice President
Elease Cheek | Peggy A. Cohen-Thompson | Dana Dean | Teresa Lavell | Amy Sharp

ELEMENTARY DIVISION

Behavioral/Cognitive, Physical Science & Life Science

Project	Student Name(s)/School	Project Title
1	Nolan Le, <i>The Academy of 21st Century Learning</i>	Which Ice Cream Taste Better? Dry ice cream vs Normal ice cream
2	Sydney Jones, <i>The Academy of 21st Century Learning</i>	Magnetic Slime
3	Ryley Musial, <i>The Academy of 21st Century Learning</i>	Lemons vs Potatoes
4	Elizabeth Wallace, <i>The Academy of 21st Century Learning</i>	Ice Show - What type of ice makes the tallest tower?
5	Logan Montenegro, <i>The Academy of 21st Century Learning</i>	Does Music Affect Plant Growth?
6	Leila Alayli, <i>The Academy of 21st Century Learning</i>	Bacteria in Our House
7	Paul Roemhildt, <i>The Academy of 21st Century Learning</i>	Why does Asthma make it hard for me to breathe?
8	Ayla Celik, <i>The Academy of 21st Century Learning</i>	Can people tell real from AI?
9	Jayla Mason, <i>The Academy of 21st Century Learning</i>	An Experiment on Nitrogen Fertilizers
10	Landon Le & Caleb Tesorero, <i>The Academy of 21st Century Learning</i>	Can the Growing of Grass Prevent the Damage of Erosion?
11	Ezra Egloff, <i>The Academy of 21st Century Learning</i>	Fastest Drop

JUNIOR DIVISION

Behavioral/Cognitive

Project	Student Name(s)/School	Project Title
1	Nathan Neff, <i>The Academy of 21st Century Learning</i>	Snake Fear
2	Freyja Haldane, <i>The Academy of 21st Century Learning</i>	Sweet vs. Sight Can we tell what fruit is the sweetest?
3	Charlie Thornhill, <i>The Academy of 21st Century Learning</i>	Does sight manipulate your taste?
4	Kate Jenny, <i>Green Valley Middle School</i>	What is the best color of text for quick comprehension?
5	Zoey Wood, <i>Green Valley Middle School</i>	Are males faster than females when spotting fine details?
6	Naomi Hunter, <i>The Academy of 21st Century Learning</i>	Body Language
7	Gianna Diaz, <i>Green Valley Middle School</i>	Dogs Color Recognition
8	Cora Cooper, <i>Elmer Cave Language Academy</i>	What is the Most Effective Way to Teach 6 - 9 Graders About Obsessive Compulsive Disorder?
9	Isabella Marsden, <i>Cave Language Academy</i>	How important are teachers in the education of students

JUNIOR DIVISION

Environmental Science

Project	Student Name(s)/School	Project Title
1	Gurnoor Singh, <i>Green Valley Middle School</i>	<u>Best Soil For Plants</u>
2	Alanna Williams, <i>Green Valley Middle School</i>	<u>What color of lights grow plants the tallest out of blue, red, and green light?</u>
3	Danielle Morrison, <i>St. Dominic School</i>	<u>Artificial Snow. Worth it?</u>

JUNIOR DIVISION

Life Science

Project	Student Name(s)/School	Project Title
1	Naiyah Russel, <i>The Academy of 21st Century Learning</i>	The Growth of Mushrooms at Different Humidity Levels
2	Audrey Tiffany Suherman, <i>Green Valley Middle School</i>	How to decrease the growth of mold on strawberries
3	Ryan Choy, <i>Green Valley Middle School</i>	Effects of Etiolation on Plants
4	Nisha Mistry, <i>Green Valley Middle School</i>	Effectiveness of Disinfectants
5	Lucy Scott, <i>Green Valley Middle School</i>	Which Restaurant has the most bacteria on their tables?
6	Amelia Gayle Nixon, <i>Green Valley Middle School</i>	Growing Plants with different types of liquid Solutions
7	Nila Martires, <i>Green Valley Middle School</i>	How Does Light Exposure Affect Mold Growth On Strawberries?
8	Isabella Claire Apuli Patio, <i>Green Valley Middle School</i>	How Different Liquids Affect Plant Growth
9	Crisabelle Ofilan, <i>Green Valley Middle School</i>	Plants
10	Julian Gerard Herron-Higareda, <i>Green Valley Middle School</i>	Watering plants
11	Justin Kyle Sacramento, <i>Green Valley Middle School</i>	What type of liquid helps plants grow the most?
12	Tyson Arrieta, <i>Green Valley Middle School</i>	Different Sources of Bacteria with Different Amounts of Bacteria
13	Sarayu Talasila, <i>Green Valley Middle School</i>	What type of bread forms mold the fastest?
14	Peyton Phan, <i>Green Valley Middle School</i>	Neutralization
15	Keira Zander, <i>St. Dominic School</i>	Beauty and the Bacteria
16	Catalina Bon, <i>St. Dominic School</i>	Plants being affected by air pollution

JUNIOR DIVISION

Physical Science

Project	Student Name(s)/School	Project Title
1	Andrea Davenport, <i>Green Valley Middle School</i>	Exploring Aerodynamics with Vehicle Shapes and Airflow
2	Hiba Imran, <i>Green Valley Middle School</i>	How Different Amounts Of Salt Effect Ice?
3	Hailey Sunico, <i>Green Valley Middle School</i>	How far thickened mixtures dripped over time
4	Isabella Mika Phan, <i>Green Valley Middle School</i>	The Science of Fractography
5	Angelique Boot, <i>Green Valley Middle School</i>	What makes ice melt fastest?
6	Rama Mudafr, <i>Green Valley Middle School</i>	Bubbly Bath Bombs
7	Stuart Austen Preston, <i>Green Valley Middle School</i>	Does hull angle affect buoyancy?
8	Emma E. Hodson, <i>Green Valley Middle School</i>	What melts ice fastest out of salt, sugar, and sand?
9	Iraa Kumar, <i>Green Valley Middle School</i>	Friction
10	Hayden Castro, <i>Green Valley Middle School</i>	Does color affect absorption of light?

JUNIOR DIVISION

Mathematical/Computational, Product Testing & Prototype Development

Project	Student Name(s)/School	Project Title
1	Megumi Tamanaha, <i>Green Valley Middle School</i>	<u>Baking Magic: The Power of Baking Powder</u>
2	Lucas Portuguez, <i>St. Dominic School</i>	<u>Driving On A Dime Can Make Cents</u>
3	Maya Lira, <i>St. Dominic School</i>	<u>How Much Lipstick Do YOU Eat?</u>
4	Faith Evangeline Ojascastro Jumamoy, <i>Faith</i>	<u>Which liquid will clean a penny faster, water or vinegar?</u>
5	Hudson Lillis, <i>The Academy of 21st Century Learning</i>	<u>Building a rabbit cage that is better quality and cheaper</u>

SENIOR DIVISION

Behavioral/Cognitive & Environmental

Project	Student Name(s)/School	Project Title
1	Felicia De Leon & Scott McClellan, <i>Vallejo High School</i>	<u>How does arthritis affect the human nervous system?</u>
2	Teah Anderson & Lyannet Becerra, <i>Vallejo High School</i>	<u>Inside the Teenage Minds</u>
3	Kaylani Smith & Kevin Avila, <i>Vallejo High School</i>	<u>How does Aciditdy Affect Tea Flavor?</u>
4	Anika Jadhav, <i>Benicia High School</i>	<u>Analyzing the Effectiveness of Biofuels from Pond Algae vs. Waste Cooking Oil</u>
5	Avneet Sidhu, Rodriguez High School	<u>How does a colder environment affect a cricket's neurological activity vs. a warmer</u>

SENIOR DIVISION

Life Science

Project	Student Name(s)/School	Project Title
1	Diana Cazandra Macaraeg & Carl Isaac Nonog, <i>Vallejo High School</i>	<u>Testing the Effectiveness of Different Detergents in the Bacterial Flora on Hands</u>
2	Verania Cornejo & Ruby Alvarez, <i>Vallejo High School</i>	<u>Examining Cellular Energy Production in Humans</u>
3	Angelica Castillo & Roma Mae Tarape, <i>Vallejo High School</i>	<u>Explaining the Effects of Plant Growth Inside a Dark Maze Box</u>
4	Natalie Astorga & Mohammad Shabbir, <i>Vallejo High School</i>	<u>How different amounts of sugar affect the quality of bread that is produced?</u>
5	Justin Dane Uy & Israel Sandoval, <i>Vallejo High School</i>	<u>Comparing the Effects of Different Wavelengths of the Light Spectrum on the Growth of Plants</u>
6	Atheena Jackson, <i>Vallejo High School</i>	<u>Comparing the Bacterial Flora in Different Classrooms</u>
7	Christopher Servin, <i>Vallejo High School</i>	<u>How different will the plant growth be in the sun and a place where the sun doesn't shine much?</u>
8	Ruby Alvarez & Verania Cornejo, <i>Vallejo High School</i>	<u>Examining cellular energy production in humans</u>
9	Kierra Summerville, <i>Vallejo High School</i>	<u>Bread Fermentation</u>

SENIOR DIVISION

Life Science

Project	Student Name(s)/School	Project Title
10	Carmelita Murray & Angeline Harris, <i>Vallejo High School</i>	<u>The Fermentation of Strawberries</u>
11	Kristine Jewel Manalang & Zachary Hamdorf, <i>Vallejo High School</i>	<u>Exploring Whether or Not 5 Seconds is Enough Time to Protect Food from Bacteria</u>
12	Maya Chakraverty, <i>Benicia High School</i>	<u>Effects of ultrasonic animal repellents on Brassica rapa peroxidase</u>
11	Ianne Pingol , <i>Vallejo High School</i>	<u>What Pigments are Found in Vegetables</u>

THANK YOU TO OUR DONORS!

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Nestor Roces, Taxhauz | Northern California Nursing Academy

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NORTHERN CALIFORNIA
NURSING ACADEMY



Save The Date!

12th Annual

Solano County Science & Engineering Fair

March 13th, 2025