



## 2018 Santa Cruz County Science & Engineering Fair Award Winners

### Awards Ceremony –

**March 19, 2018 from 7pm - 9pm @ Santa Cruz Civic Auditorium**

The names, schools, and project titles of the students who will be receiving an award are listed below. The specific awards, prizes, and honors for each project will be announced at the Awards Ceremony.

First Name	Last Name	School	Project Title
Natasha	Ackerstein	Bay View ES K-6	Building a Better Boogie
Sae	Ackerstein	Mission Hill MS 6-8	Escaping Boats, Wasting Calories; Otter Disturbance in Elkhorn Slough
Sam	Allen	Mar Vista ES K-6	Biodegradable Fog Harvesters
Arthur	Alm	Alternative Family Education	Bicycle Wheel Wind Turbines
Zoe	Ammann	San Lorenzo Valley ES K-6	Goop-Be-Gone
Christopher	Anderson	San Lorenzo Valley HS 9-12	How Does the Size of a Predator Impact Its Prey? (Mussels and Sea Stars: A Constant Battle Part 2)
Sophia	Arghavani	Brook Knoll ES K-5	Reaction Time
Diana	Arguello	Calabasas ES K-6	Shiny Snack Wrapper Survey
Gianna	Audisio	Soquel ES K-5	Hang On
Ryan	Beam	Scotts Valley HS 9-12	Can a Preventative Social Media UI Break "Fake News"?
Evani	Bennewitz	Soquel ES K-5	Burn Baby Burn
Lucy	Berlin	Westlake ES K-5	Cookie Science: What affects people's cookie choices?
Konish	Bhattacharya	Gateway Middle School	The Effect of Age on Taste Buds
Natali	Blanco	Good Shepherd Catholic	Slippery Slime and Oozy Oobleck

***Congratulations to all of our participants and award winners!***



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Tao	Boone-Storm	Santa Cruz Gardens ES K-5	THE EFFECTS OF TEMPERATURE ON WATER DENSITY
Mason	Booth	Boulder Creek ES K-6	A'mazin Rats
Yan	Borodaenko	Brook Knoll ES K-5	Magnetic Levitation
Sara	Bowin	Pacific Collegiate Charter 7-12	Stereotypes Around The World
Izabella	Brandon	H.A. Hyde ES K-6	Soda Vs. Teeth
Bellame	Breen	Rio Del Mar ES K-6	Sand on The move
James	Bregman	Holy Cross	The Salty Thunderstorm
Austin	Brock	Santa Cruz Gardens ES K-5	H2O VS Carbonated Liquids
Noah	Brown	San Lorenzo Valley ES K-6	Morse Code Science Project
Clara	Cady-Dreher	Rio Del Mar ES K-6	Let Your Fingers Do The Talking
Trevor	Cambron	San Lorenzo Valley HS 9-12	Trails, Soil and SOD
Bennett	Cocherell	Baymonte Christian	Mudslides
Sofia Maia	De Loureiro	Good Shepherd Catholic	Does Height Affect Blind Spots?
Salvatore	Deguarra	San Lorenzo Valley HS 9-12	Surf Board Fin Design and Hydrodynamics
Gabriela	Diaz Gracida	Landmark ES K-5	STOP SMOKING
Jack	Driscoll-Natale	Valencia ES K-6	Rocking to the Beat of History
Aumar	Duryea	Alternative Family Education	To Bow Or Not To Bow
Jiraum	Duryea	Alternative Family Education	Crystal Curiosity
Marco	Evans	San Lorenzo Valley MS 6-8	Reheat-The Next Step in Heat Exchange
Ruby	Evans	Bonny Doon ES K-6	Biodegradable Materials from Bamboo
Jessica	Fairlie	Santa Cruz HS 9-12	From Data to Environmental Action

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Aubrey	Fessenden	Rio Del Mar ES K-6	Practice Makes Perfect
Helaina	Fields-Rapley	Boulder Creek ES K-6	Root Vegetable and Tuber Energy
Sophie	Folger	Gateway Middle School	The Effect of Cell Phone Conversation on Reaction Rate
Sam	Freeman	Baymonte Christian	Can Trees Beat E.coli?
Nolan	Frink	De Laveaga ES K-5	Awww man, the WiFi went out!
Joseph	Gagne	Santa Cruz Gardens ES K-5	The Effects that Video Games have on the Heart
Dominic	Garcia	Soquel ES K-5	How does the shape of a sail affect the amount air it catches?
Milan	Garley	Mar Vista ES K-6	Water Conservation
Malika	Gellman	Santa Cruz HS 9-12	Self-Sustainable Microbial Fuel Cell Driven High-Efficient Nickel-Based Water Splitting System
Elias	Gilbert	Santa Cruz HS 9-12	Banding Together: Gender and Communication Styles in Team Effectiveness
Hazel	Gladish	Valencia ES K-6	The Best Motor
Mireya	Gomez	Santa Cruz Gardens ES K-5	Fruit Cell Charger
Abigail	Goodman	Gateway Middle School	B-flat Bee
Ziva	Grahek	Watsonville Charter/Arts K-8	The Quarter Experiment
Carson	Grant	Bay View ES K-6	Do I Know You? Facial Recognition When Facial Context is Altered
Mia	Gregg	Salesian ES & JH	All Soil is Created Equal?

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Maxwell	Gross	Pacific Collegiate Charter 7-12	The Effects of Different Types of Vegetation on Landslides
Julian	Harre	Happy Valley Elementary K-6	The Cool School Chair
Madalynn	Hein	Scotts Valley MS 6-8	Storytelling With Alice: Bringing the Story Through the Looking Glass
Jared	Henderson	Gateway Middle School	The Effect of Different Exposures of UV Light on Bacteria
Riley	Hubbard-Bauer	Westlake ES K-5	Exploding soda
Hayden	Johnson	Rio Del Mar ES K-6	Sand on The move
Miles	Kennedy	Scotts Valley MS 6-8	How Red is Your Sports Drink
Tyler	Kilby	Good Shepherd Catholic	Inferno
Ty	Koebler	Gateway Middle School	Identifying Facial Expressions Based on Different Regions of The Face
Nastasha	Kondrat	Twin Lakes Christian	The Great Molding Burger Race, Who Will Win?
Louis	Kressman	Boulder Creek ES K-6	A'mazin Rats
Sofia	Kvaternik	Gateway Middle School	The Effect of Different Hurricane Wind Categories on Different Building Materials
Owen	L'Heureux	Gateway Middle School	The Effect of Wing Configuration on Drag
Supriya	Lall	Castilleja School	Self-Sustainable Microbial Fuel Cell Driven High-Efficient Nickel-Based Water Splitting System
Aiden	Largay	San Lorenzo Valley HS 9-12	Surf Board Fin Design and Hydrodynamics

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Shelby	Leonardich	Soquel ES K-5	Burn Baby Burn
Isaac	Levy	De Laveaga ES K-5	Bridge Design Stress Test
Shengtong (Audrey)	Li	Henry M. Gunn High School	Self-Sustainable Microbial Fuel Cell Driven High-Efficient Nickel-Based Water Splitting System
Natalie	Lo	Holy Cross	Balance
Julia	Lombrozo	Westlake ES K-5	The Egg Drop
Melina	Lopez	Ann Soldo ES K-5	How different angles can affect how projectiles fly.
Katelyn	Lozier	San Lorenzo Valley HS 9-12	How Does the Size of a Predator Impact Its Prey? (Mussels and Sea Stars: A Constant Battle Part 2)
Trianna	Luke	San Lorenzo Valley ES K-6	Capillary Action
Ruben	Marcus	Santa Cruz Gardens ES K-5	Are You Getting a Bad Wifi Signal? Try Moving Your Router
Rider	McCormick	Pacific Collegiate Charter 7-12	Running to the Max
Ashlyn	McDaniel	Baymonte Christian	Vinegar Stops Mold On Strawberries?
Elana	McGrew	Scotts Valley MS 6- 8	Rocket Performance vs. Propellant Density
Genevieve	McNulty	Pacific Collegiate Charter 7-12	Bird Caging At The Wharf
Chloe	Millar	Aptos JH 7-8	Slug Fest
Tiana	Miller	Brook Knoll ES K-5	Temperature and Magenets
Natalie	Monroe	Brook Knoll ES K-5	Do Kids Like Gluten Free Cupcakes?
Genevieve	Morales	Rio Del Mar ES K-6	Bridges Behaving
Andrew	Nazareth	Kirby	Object Recognition in Wildlife Photos Using Java - Part I

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Michelle	Nazareth	Kirby	ASD Alert 2: A User-friendly Wireless App to Mitigate Oncoming Autistic Episodes
Nicolette	Negrete	Baymonte Christian	The Yeast Factor
Dahlia	Nichols	San Lorenzo Valley ES K-6	Goop-Be-Gone
Isabel	O'Malley-Krohn	Pacific Collegiate Charter 7-12	Trees for the People: Socioeconomic Distribution of Street Trees
Rinoa	Oliver	Kirby	The Mathematics of Honeycombs
Santiago	Ordonez	Soquel ES K-5	How does the shape of a sail affect the amount air it catches?
Kaden	Ortiz	Mar Vista ES K-6	Will You Bank the Shot?
Karen	Ortiz Espinoza	Landmark ES K-5	STOP SMOKING
Yaritza	Ortiz Fernandez	Calabasas ES K-6	Shiny Snack Wrapper Survey
Natalie	Owens	San Lorenzo Valley HS 9-12	Trails, Soil and SOD
Marcus	Panzardi	Pacific Collegiate Charter 7-12	Best Material for Bike Frames
Nicholas	Panzardi	Pacific Collegiate Charter 7-12	The Apposite Composite
Odessa	Pearce	Spring Hill Advanced ES	The Science Behind Slime
Cole	Pearl	Westlake ES K-5	The Effect Of Magnetism On Ant Behavior
Ezekiel	Pelot	Calabasas ES K-6	Effectiveness of Hand Sanitizer
Nicholas	Perdaris	Good Shepherd Catholic	The Science of Skatewax
Molly	Pisciotta	Brook Knoll ES K-5	Temperature and Magnets
Zakary	Prochaska	Pacific Collegiate Charter 7-12	Neural Networks Classifying Birds

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Celeste	Robinson	San Lorenzo Valley HS 9-12	How Does the Size of a Predator Impact Its Prey? (Mussels and Sea Stars: A Constant Battle Part 2)
Marco	Rodriguez	De Laveaga ES K-5	Bridge Design Stress Test
Daniela	Rojas	Salesian ES & JH	Didi You Hear That?
Ethan	Romanowsky	Bay View ES K-6	Bacteria At Beaches
Ruby	Romero Maya	Calabasas ES K-6	Microbes on litter vs. school locations
Flynn	Rorty	Gateway Middle School	Bacterial Bonanza! The effect of different preservatives on bacterial growth
Phoenix	Rumbaugh	Alternative Family Education	Lake HABS of Santa Cruz
Raina	Sawyer	Pacific ES K-6	Weeding Out Erosion
Emma	Schaefer-Whittall	Scotts Valley HS 9-12	Alkaloid Quantification of Catharanthus roseus and Vinca major and its Effects on Cell Viability
Riley	Schaefer-Whittall	Scotts Valley MS 6-8	Keep it Positive
Nina	Schmidt	Spring Hill Advanced ES	The Science Behind Slime
Avery	Schromm	Happy Valley Elementary K-6	Reduce the Carbon Garden
Matthew	Shen	Branciforte MS 6-8	Best Material for Bike Frames
Aaron	Silver	Rio Del Mar ES K-6	Sand on The move
Ethan	Silver	Rio Del Mar ES K-6	Magnetic Levitation
Eliot	Sims	Bay View ES K-6	Do I Know You? Facial Recognition When Facial Context is Altered
Anthony	Smith	Salesian ES & JH	Man's Own Sunlight
Ella	Smith	Soquel ES K-5	Burn Baby Burn
Elijah	Smuga-Otto	Mission Hill MS 6-8	Future Eye

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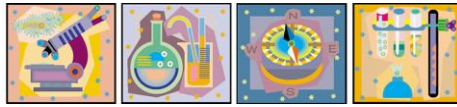


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Sophia	Sobieraj	Bay View ES K-6	Elkhorn Slough, Super Salty?
Aaron	Sophie	De Laveaga ES K-5	Awww man, the WiFi went out!
Margaret	Spencer	Pacific Collegiate Charter 7-12	Baking Soda v. Baking Powder
Marcus	Spracklen	San Lorenzo Valley Charter K-12	Solar Panels in the Real World
Lennart	Stockmanns	Holy Cross	Does the Density of a Coil Affect the Velocity of the Train
Natalie	Stott	Good Shepherd Catholic	Porta Book
Ellawyn	Strudley	San Lorenzo Valley ES K-6	Capillary Action
Saashin	Subramaniam	Pacific Collegiate Charter 7-12	Can Pi Feed a Pet?
Caitlin	Sullivan	Holy Cross	Effects of X-Ray Radiation on Plants
Isabella	Sumano	Holy Cross	How much water comes out of different types of popped popcorn kernels?
Tye	Sutherland	Salesian ES & JH	reaction to action
Brett	Swertfager	Mar Vista ES K-6	Phytoplankton Growth: What is the Best Nutrient?
Kaoru	Takashima	Pacific Collegiate Charter 7-12	Electromagnetic Coil Train System
Caitlyn	Taylor	Scotts Valley MS 6-8	To Sugar or Not To Sugar
Cody	Taylor	Mar Vista ES K-6	Ant-ccleration
Aarushi	Thaker	Pacific Collegiate Charter 7-12	Will the leaves of indoor plants change color in fall weather?
Arianna	Tonelli	Soquel ES K-5	Hang On
Tanner	Trowbridge	Soquel ES K-5	Rotational Velocity
Kalden	Tsering	Happy Valley Elementary K-6	The Cool School Chair

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Teo	Tsukamaki	Bay View ES K-6	Bacteria At Beaches
Leo	Tuncer	Branciforte MS 6-8	How High Can You Jump?
Lincoln	Verinsky	Brook Knoll ES K-5	Water = Energy
Natalia	Vowles	Rio Del Mar ES K-6	"Mom, Why Do You Make Me Eat That?"
Isaac	Wallace-Menge	San Lorenzo Valley HS 9-12	Surf Board Fin Design and Hydrodynamics
Sydney	Walsh-Phillips	Soquel ES K-5	Hang On
Laura	Wang	Mission Hill MS 6-8	Effects of Household Water Reuse on Conserving Water
Theodore	Ward	Mar Vista ES K-6	Does netting help prevent landslides
Audrey	Watson	Scotts Valley MS 6-8	Electrical Slime: Can Polymer Based Non-Newtonian Fluids Be an Effective Conductor and is so, What increases Conductivity?
Aidan	Webb	Scotts Valley MS 6-8	Electromagnetic Force Field
Ashey	Welch	San Lorenzo Valley HS 9-12	A Sustainable Atmospheric Data Collection System
Oliver	Willet	Happy Valley Elementary K-6	Capable Computer Case
Makai	Williams	Twin Lakes Christian	Cookie Bliss
Jonica	Wilson	Pacific ES K-6	The Effects of Cut Direction on the Fraying of Fabrics
Bennett	Woolfolk	San Lorenzo Valley ES K-6	Slug defense: keeping slugs out of your plants
Luke	Wyland	De Laveaga ES K-5	Who absorbs best from Mr. Sun? A Solar Panel Comparison
Madelyn	Young	Mission Hill MS 6-8	Escaping Boats, Wasting Calories; Otter Disturbance in Elkhorn Slough

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Maxwell	Zinkievich	San Lorenzo Valley HS 9-12	A Sustainable Atmospheric Data Collection System
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