



2018 California State Science Fair – Qualified Projects

The following projects from students in grades 6-12 were selected to represent the Santa Cruz County Science & Engineering Fair at the CA State Science Fair, April 23-24, 2017, which is held at the CA Science Center in Los Angeles.

First Name	Last Name	School	Project Title
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
Ryan	Beam	Scotts Valley HS 9-12	Can a Preventative Social Media UI Break "Fake News"?
Konish	Bhattacharya	Gateway Middle School	The Effect of Age on Taste Buds
James	Bregman	Holy Cross	The Salty Thunderstorm
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
Salvatore	Deguara	San Lorenzo Valley HS 9-12	Surf Board Fin Design and Hydrodynamics
Jack	Driscoll-Natale	Valencia ES K-6	Rocking to the Beat of History
Marco	Evans	San Lorenzo Valley MS 6-8	Reheat-The Next Step in Heat Exchange
Jessica	Fairlie	Santa Cruz HS 9-12	From Data to Environmental Action
Sam	Freeman	Baymonte Christian	Can Trees Beat E.coli?
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

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Abigail	Goodman	Gateway Middle School	B-flat Bee
Madalynn	Hein	Scotts Valley MS 6-8	Storytelling With Alice: Bringing the Story Through the Looking Glass
Miles	Kennedy	Scotts Valley MS 6-8	How Red is Your Sports Drink
Ty	Koebler	Gateway Middle School	Identifying Facial Expressions Based on Different Regions of The Face
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
Shengtong (Audrey)	Li	Henry M. Gunn High School	Self-Sustainable Microbial Fuel Cell Driven High-Efficient Nickel-Based Water Splitting System
Ashlyn	McDaniel	Baymonte Christian	Vinegar Stops Mold On Strawberries?
Elana	McGrew	Scotts Valley MS 6-8	Rocket Performance vs. Propellant Density
Chloe	Millar	Aptos JH 7-8	Slug Fest
Andrew	Nazareth	Kirby	Object Recognition in Wildlife Photos Using Java - Part I
Michelle	Nazareth	Kirby	ASD Alert 2: A User-friendly Wireless App to Mitigate Oncoming Autistic Episodes
Nicolette	Negrete	Baymonte Christian	The Yeast Factor

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Rinoa	Oliver	Kirby	The Mathematics of Honeycombs
Natalie	Owens	San Lorenzo Valley HS 9-12	Trails, Soil and SOD
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
Margaret	Spencer	Pacific Collegiate Charter 7-12	Baking Soda v. Baking Powder
Lennart	Stockmanns	Holy Cross	Does the Density of a Coil Affect the Velocity of the Train
Caitlin	Sullivan	Holy Cross	Effects of X-Ray Radiation on Plants
Tye	Sutherland	Salesian ES & JH	reaction to action
Leo	Tuncer	Branciforte MS 6-8	How High Can You Jump?
Isaac	Wallace-Menge	San Lorenzo Valley HS 9-12	Surf Board Fin Design and Hydrodynamics
Ashey	Welch	San Lorenzo Valley HS 9-12	A Sustainable Atmospheric Data Collection System
Madelyn	Young	Mission Hill MS 6-8	Escaping Boats, Wasting Calories; Otter Disturbance in Elkhorn Slough
Maxwell	Zinkievich	San Lorenzo Valley HS 9-12	A Sustainable Atmospheric Data Collection System

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