

Contra Costa County Science & Engineering Fair
 March 31, April 1 & 2, 2011
 SCIENCE FAIR PROJECT PLACEMENTS

GRADE	CATEGORY	STUDENT NAME	PROJECT NAME	SCHOOL
CONTRA COSTA COUNTY SCIENCE & ENGINEERING FAIR "BEST IN SCIENCE FAIR" (This project will represent CCCSEF at the International Science & Engineering Fair (ISEF) held in May 2011 in Los Angeles)				

12	Biological	Blake Marggraff & Matthew Feddersen	Simulated Treatment of Cancer with Photoelectric Effect-Produced Secondary Radiation	Acalanes High School
SENIOR DIVISION GRAND SWEEPSTAKES WINNERS (9th-12th Grades)				

10	Environmental	Nicholas Paz	Coral Pollution: Effects of Tricaine Methane Sulfonate on Seriatopora Coral	De La Salle High School
12	Biological	Blake Marggraff & Matthew Feddersen	Simulated Treatment of Cancer with Photoelectric Effect-Produced Secondary Radiation	Acalanes High School
JUNIOR DIVISION GRAND SWEEPSTAKES WINNERS (7th & 8th Grades)				

7	Physical	Benry Sheehan	What Golf Ball Would You Choose?	Adams Middle School
8	Engineering	Madison Martin	Double or Triple Scoop: How different blade sizes and types affect a savonius wind turbine's energy output	Adams Middle School
FIRST PLACE WINNERS (BY CATEGORY BY GRADE LEVEL)				

7	Physical	Benry Sheehan	What Golf Ball Would You Choose?	Adams Middle School
7	Biological	Katelyn Rodriguez	Best Calorie Burner: Wii or Reality	North Creek Acadamy

8	Engineering	Madison Martin	Double or Triple Scoop: How different blade sizes and types affect a savonius wind turbine's energy output	Adams Middle School
8	Physical	Andrew Johnson & Matthew VanderKlugt	Hot n Cold	Holy Rosary
9	Math/Computer Science	Vipul Kashyap	Software Complexity Measurement	Deer Valley High School
10	Environmental	Nicholas Paz	Coral Pollution: Effects of Tricaine Methane Sulfonate on Seriatopora Coral	De La Salle High School
10	Biological	John Jankowski	How Do Omega 3 Fatty Acids Affect Cell Membrane Strength?	De La Salle High School
12	Biological	Blake Marggraff & Matthew Feddersen	Simulated Treatment of Cancer with Photoelectric Effect-Produced Secondary Radiation	Acalanes High School
12	Behavioral/SS	Andrew Clausen	Singers vs Instrumentalists: A Test of Relative Pitch Sense	Deer Valley High School

SECOND PLACE WINNERS (BY CATEGORY BY GRADE LEVEL)

7	Biological	Andrew Engel	Biomagnetism and Plant Growth	NorthCreek Academy
7	Biological	Chris Aring	Bald and Beautiful	NorthCreek Academy
7	Biological	Christopher Buzis	Ultrasounds; Can You Hear It?	NorthCreek Academy
7	Biological	Emily O'Conner & Kyley Knudson	It's What's in the Dirt That Counts	Holy Rosary
7	Biological	Taylor Allen	Music's Effect on Mice	NorthCreek Academy
8	Engineering	Jared Ericksen	Shake, Rattle, and Hold	NorthCreek Academy

10	Biological	Eric Machado	The Effect of Acai Berries on Tenebrio molitor Immunity	De La Salle High School
10	Biological	Justin Jorge	Natural Spider Repellents	De La Salle High School
10	Biological	Kevin Gunderson	The Light of Incidence, Does it Effect Mental Acuity?	De La Salle High School
10	Environmental	Matthew Byrne	Living Roofs:Specialized Plant Species and Their Effects on the Roof's Thermal Properties	De La Salle High School
12	Biological	Richard Chavez, Justin Sin & Obioma Onuoha	The Microbial Fuel Cell: Is Warmer Better?	Deer Valley High School
12	Behavioral/SS	Hannah Bartlebaugh	The Effect of Autonomic Arousal on the Perception on Facial Attractiveness	Deer Valley High School
12	Engineering	Jackson Schleider	The "Hydrosphere": Responsible Efficiency in Water Bottles	Deer Valley High School

THIRD PLACE WINNERS (BY CATEGORY BY GRADE LEVEL)

7	Biological	Alexa Fosdick	Gargle! Gargle!	NorthCreek Academy
7	Biological	Audrey Aitelli	Caffeine: Friend or Foe	Northcreek Academy
7	Biological	Christopher VanderKlugt	Growing, Growing, Gone	Holy Rosary
7	Biological	Clancy Smith	Fruit and Juice Mold	North Creek Academy
7	Biological	Dekker Dalman	Root Growth and Gravity	NorthCreek Academy
7	Biological	George Hunt	Colorful Food	North Creek Academy

7	Biological	Jordan Miller	Deadly Dips	NorthCreek Academy
7	Biological	Michelle Randolph	Multi Vitamins	North Creek Acedemy
7	Biological	Nicholas Kaufman	How Intelligent is the Average Canine	NorthCreek Academy
7	Biological	Ryan Hathaway	Bird Color Vision	NorthCreek Academy
7	Biological	Vanessa Lamoureux	Caffeine's Effect on Daphnia's Heart Rate	NorthCreek Academy
7	Biological	Zach Hanson	What Preserves a Christmas Tree the Longest?	NorthCreek Academy
7	Physical	Marisela Mattos	Ice Age	Holy Rosary
7	Physical	Megan McBarton & Marissa Evans	An Explosive Combination	Holy Rosary
7	Physical	Tesla Fox	Air Cannon Vortex	Adams Middle School
8	Biological	Elise Peterson	Battle of Bacteria	Holy Rosary
8	Biological	Janice Nam and Olivia Quadros	Measuring Knee Stress With A Mechanical Model	Adams Middle School
8	Biological	Sophia Tacderas	Battle of the Vitamin C	Holy Rosary
8	Biological	Danielle Herrera and Reyna Pena	Grey vs. Clean	Adams Middle School
8	Engineering	Nathan Reynolds	London Bridges Falling Down	NorthCreek Academy

8	Engineering	Ryan Ericksen	When It Blows Will It Wobble	NorthCreek Academy
8	Environmental	Joy Koonin	From Waves to Waterbottles: Cheap and Effective Seawater Desalination	NorthCreek Academy
8	Physical	Cecily Diaz	Saturated vs. Unsaturated Fats	NorthCreek Academy
8	Physical	Davis Mariotti	Effects of Wing Sweep	NorthCreek Academy
8	Physical	Emily Sauter	Blinded by Speed	NorthCreek Academy
8	Physical	Emma Starr	Rocket Stove Launching Into Clean Air	NorthCreek Academy
8	Physical	Jason Young	Which Bat is Better?	NorthCreek Academy
10	Biological	Aloizio Costa	Risk Factors for Concussions	De La Salle High School
10	Biological	Amiel Capinpin	Bedbugs>Pesticides?	De La Salle High School
10	Biological	Anna Sundin	Does Feeding Earthworms Different Diets Affect the Soil That They Enrich?	Deer Valley High School
10	Biological	Sean-Patrick Sullivan	How Does Reflected Light Affect the Behavior of Drosophila melanogaster?	De La Salle High School
10	Behavioral/SS	Kyle Hulburd	A Study of Multitasking: Texting While Driving	De La Salle High School
10	Behavioral/SS	Markus Notti	Video Games and Their Effect on the Brain's Ability to Process Audio Information	De La Salle High School
10	Behavioral/SS	Otto Scheffler	That's Not Funny-A Study on Human Laughter	De La Salle High School

10	Environmental	Kevin Nguyen	Does Mechanical Harvesting Accelerate the Growth of Egeria densa?	De La Salle High School
10	Environmental	Luke O'Brien	Reproduction Rate of Asian Clam Corbicula fluminea	De La Salle High School
10	Math/Computer Science	Alec Bruce	Determining the Energy Savings of Compact Fluorescent Bulbs	De La Salle High School
10	Physical	Ryan Haley	Aluminum Bottles: Safe or Leaching?	De La Salle High School

FOURTH PLACE WINNERS (BY CATEGORY BY GRADE LEVEL)

7	Biological	Liam Totten	Upside Down Plants	North Creek Academy
7	Biological	Michael Hathaway	Sugar's Effect on Plant Growth	NorthCreek Academy
7	Behavioral/SS	Ethan Skinner	Full and Balanced	North Creek Academy
7	Environmental	Josh Brennan	Is it Getting Hot in Here? The Greenhouse Effect	Adams Middle School
8	Physical	Ben Vowels	Can Kitchen Waste Be Turned Into Biofuel?	NorthCreek Academy
8	Physical	Greg Hudgens	Robin Hood's "Angle" on Archery	NorthCreek Academy
8	Physical	Jacob Pikal	Can Nascar Still Have Races in the Rain Safely?	NorthCreek Academy
8	Physical	Lauren Velasquez	Gravity: Does Weight Matter?	Adams Middle School
8	Physical	Maddie McCormick	A Magnetostatic Linear Accelerator	NorthCreek Academy

8	Physical	Matthew Walker	Windmills	North Creek Academy
10	Engineering	Derek Jones	Air Conditioning/Heater Regulation	De La Salle High School
10	Engineering	Gaetan Ingrassia	Power Walking: Electricity from People in Motion	De La Salle High School
10	Physical	Jose Lema	Radiation From Smoke Detectors	Deer Valley High School
10	Physical	Sam Giambalvo	Does Extended Exposure to Sunlight Cause PET Water Bottles to Emit Bisphenol-A?	De La Salle High School
11	Biological	Dale Satre and Tiffany Zhou	Effect of Garlic Juice on E. Coli Growth	Heritage High School
11	Biological	Marissa Christianson	Is X-Inactivation Random in Tortoise Cats?	Freedom High School
12	Biological	Debbie Haislip and Jessica Chiang	Biofuel: Invasive Plant Species	Deer Valley High School

HONORABLE MENTION (BY CATEGORY BY GRADE LEVEL)

7	Behavioral/SS	Alex Engel	Color and Memorization	North Creek Academy
7	Behavioral/SS	Ben Smith	Music For the Mind	North Creek Academy
7	Behavioral/SS	Elijah Skinner	Color Galore	North Creek Academy
7	Behavioral/SS	Hannah Randolph	Eating Habits	North Creek Academy
7	Behavioral/SS	Samantha Bennett	Tasting	North Creek Academy

7	Physical	Christain Bilbay and Josh Watts	A Tennis Player's Worst Nightmare	Adams Middle School
7	Physical	Tyler Ige & Reggie Quinones	Dry Ice vs Steam	Holy Rosary
8	Behavioral/SS	Beatrice Tierra	Multitasking: Beneficial or Harmful?	O'Hara Park School
8	Behavioral/SS	Rachel Freed	Sticks Full of Flavor	North Creek Academy
8	Engineering	Brendan Mendoza, Luis Rodriguez, Ignacio Baldazo	Generating Electricity by Water Wheel	O'Hara Park School
8	Engineering	Sam Hooker	Is Energy Efficiency Sufficient?	Northcreek Academy
8	Engineering	Zachary Su, Doyle Muhammad, Annie Hardeaway	Robomasters Robotics Challenge	East Bay NSBE Jr.
8	Physical	Ashley Ackerman, Jonathan Wilkes	Salt Water to Fresh Water	O'Hara Park School
8	Physical	Conner Shapiro	Hydrogen Generator	Excelsior Middle School
8	Physical	Daniel Pena; Enrique Ramirez	Breath Spray.... Boom, Boom Bang	Holy Rosary
8	Physical	James Hockel	Growing Crystals at Different Temperatures	Adams Middle School
8	Physical	Kiera Imrisek-Kawalkowski, Alyssa Silva	What Pan Do You Blame the Burnt Cookies On?	O'Hara Park School
8	Physical	Korissa Lewis	Reflection of the Future	NorthCreek Academy
8	Physical	Lexi Laverga	Do You Want to Make it to the Superbowl?	NorthCreek Academy

8	Physical	Luke Engel	Weight, Drag and Gas	NorthCreek Academy
8	Physical	Madison Cashman	Tensile Strength of Different Metals	NorthCreek Academy
8	Physical	Mahaam Ahmed	"Investigating an Orange" Does the Surrounding Temperature Affect the Heat Loss of an Orange	Black Diamond Middle School
8	Physical	Patrick Marin	Which is Stronger: A Magnet or an Electromagnet?	North Creek Academy
8	Physical	Scott Roos	Bullseye Ballistics	NorthCreek Academy
8	Physical	Tina Root	How Do Airplanes Fly?	St. Catherine of Siena
8	Physical	Wade Musgrove	Do The Dimples On A Golf Ball Have An Effect On The Distance The Ball Will Travel?	Excelsior Middle School
8	Physical	Brandon Do	The Speed of Bicycles Determined by Gear Size	Excelsior Middle School
10	Engineering	John Pericich	Using Water Vapor from a Shower and a Zeolite/Water Vapor Adsorption Heating System to Heat Air	De La Salle High School
10	Engineering	Kyle Lewald	Harnessing Car Exhaust to Charge Batteries	De La Salle High School
10	Engineering	Matthew Garcia	Designing and Building a Mobile Reconnaissance Robot	De La Salle High School
10	Environmental	Gabe Vincent	The Effects of an Oil Spill on Brine Shrimp	De La Salle High School
10	Environmental	Philip Hawkyard	Leymus triticoides and the Restoration of Strenzel Meadow	De La Salle High School
10	Environmental	Timothy Powers	Levels of Acid Fog in Different Northern California Population Densities	De La Salle High School

11	Behavioral/SS	Christina Zeek	Music and Movies	Deer Valley High School
11	Engineering	Adam Alemnew	Voice Command TV	Deer Valley High School
11	Engineering	Nicholas Richards	A Serious Swamp-ation: A Study of Increasing Swamp Boat Speed	Deer Valley High School
11	Physical	Leonardo Hernandez	Baking and Energy	Deer Valley High School
11	Physical	Cierra Provan	Candy Chromatography	Liberty High School
12	Behavioral/SS	Aneeka Latif, Samantha Bueno, John Cua	The Effects of a Caffeine Based Drink on Test Scores	Deer Valley High School
12	Engineering	Hayley Jones	Solar Powered Water Desalination Unit	Deer Valley High School
12	Physical	David Avunanya	Lunar Crater Counting	Deer Valley High School
12	Physical	Tara Hsu	Hybrid V. Manual Transmissions: Efficiency in Fuel and Repair	Deer Valley High School
12	Physical	Yasamin Haider	The Effects of Time on the Orbits of Globular Clusters	Deer Valley High School