

# SCIENCE FAIR 2010



All the projects displayed at the Museum were already winners at their schools. Over 3,500 students participated in fairs at 28 schools this year. The 205 projects displayed at the museum were judged at each grade level in one of three categories: Biological Sciences; Physical Sciences; or Behavioral, Health, and Social Sciences. There were 34 judges this year. Some of our judges were newcomers while others have been working with us for more than 15 years. Judges came from a wide range of science backgrounds such as geneticists, astronomers, geologists, as well as science educators and medical professionals. This assured that each project received thorough and expert attention.

The presentation ceremony was held this year on February 27th. Our guest speaker was Kristin Byrd a physical scientist with the geological survey. Kristin showed some exciting imagery taken from space and sky and explained how we can use this information to understand our world and our local surroundings. First, second and third prize winners were invited up on to the stage. After the ceremony there was a chance to view the projects.



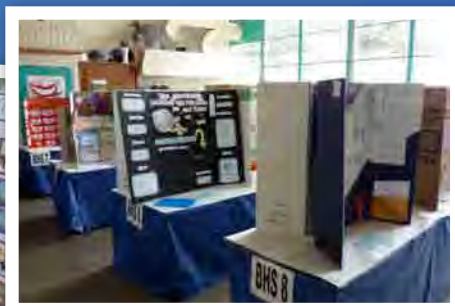
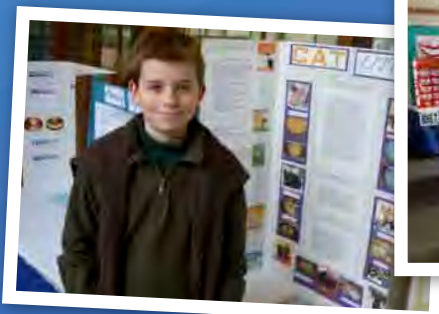
Every project was recognized with a Certificate of Achievement and awarded a ribbon for First, Second, Third, or Fourth Place or Honorable Mention.

First and Second Place winners at all grade levels were invited to join Museum staff for a fun and educational trip to the US Geological Survey, in Menlo Park the workplace of our guest speaker, Kristin Byrd Ph.D. Students were given a series of fascinating talks on the study of plankton in rocks, studying earthquakes and history and future of maps. This was followed by lunch in the Park and kite-making.

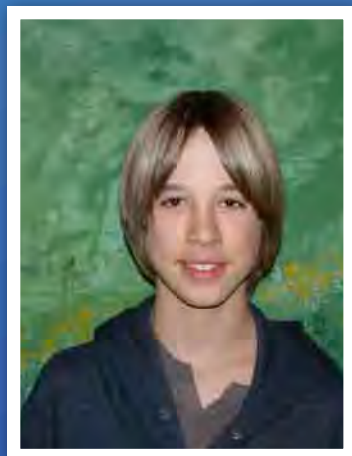
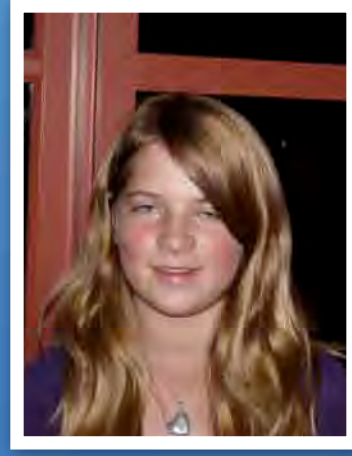


Top-ranked seventh and eighth grade individual projects are invited to compete at the regional San Francisco Bay Area Science Fair. This year congratulations go to James Uejio from the San Francisco School who went on to win first place for his project “The Effect of the Shape and Symmetry of a Guitar on the Amplitude and Decay of its Sound” and will now take part in the California state fair in Los Angeles along with Alice Lau who won a 2nd place. Altogether San Francisco students won a first place, two second, eight third and eight fourth place awards at the regional fair.

While we are very proud of the winners, our primary intent is to promote participation in science. All students who have completed projects deserve recognition for their efforts and accomplishments and all have good reason to feel proud of their unique contributions to this event.



# SOME OF OUR WINNERS



The parents of all winners listed gave permission for their child's names to be listed on our website. If you would like to see your child's name added then contact us giving permission for their name to appear on the list. [sciencefair@randallmuseum.org](mailto:sciencefair@randallmuseum.org)

## First Place Winners

### Grade 8

#### Behavioral, Health, & Social Sciences

Tano Brock      The San Francisco School

The Affect of Musical Training  
on One's Pitch Discrimination Ability

#### Biological Sciences

Owen Christoph      The San Francisco School

The Effect of Roof Material on Water Quality

#### Physical Sciences

Elizabeth Boles      French American International  
School

Opticopter

### Grade 7

#### Behavioral, Health, & Social Sciences

Elyssa Kleiner      Rooftop Alternative School

"Are You Tasting Colors?"

#### Biological Sciences

Alice Lau      St. Brigid School

How Sweet It Is

#### Physical Sciences

Ingrid Adams      Herbert Hoover Middle School

Can My Laptop Get Better Reception Using a  
Homemade Signal Amplifier?

### Grade 6

#### Behavioral, Health, & Social Sciences

Brian Kosewic      St. Brendan School

Jumping Jacks and Jumping Jills

#### Biological Sciences

Gabriel Hale      French American International  
School

Turf vs. Grass Lead Exposure to a San  
Francisco Soccer Player

#### Physical Sciences

Claire Quarterman      St. Philip School

Standard vs. Green: A Comparison Between  
Standard and Green Packing Material

# 2nd Place Winners

## Grade 8

### Behavioral, Health, & Social Sciences

Zihan Cheng	Herbert Hoover Middle School	Stay Sanitized
Clare Connolly	St. Brendan School Mmm!	Is That Organic Fruit?

### Biological Sciences

Annie LeFevre	Convent of the Sacred Heart	Rat Race
Julie Avetisyan	K. Z. V. Armenian School	The Effects of an Oil Spill on Aquatic Plant Life

### Physical Sciences

Mika Esquivel-Varela	Convent of the Sacred Heart	Gone with the Wind
Krikor Andonian	K. Z. V. Armenian School	Insulation

## Grade 7

### Behavioral, Health, & Social Sciences

Kristy Tran	Star of the Sea	School Stains vs. Toothpaste
Julia Thompson	St. Monica School	Clorox vs. Vinegar

### Biological Sciences

Larson Holt	French American International School	Cat Litter
Chloe Leung	Herbert Hoover Middle School	Fruits in Jell-o

### Physical Sciences

Amanda Chang,	St. Anne School	Do You Know How Many Calories You Are
Amanda Loo		Throwing Into Your Body?
Madison Riehle	Convent of the Sacred Heart	Singing Wine Glasses

## Grade 6

### Behavioral, Health, & Social Sciences

Jasmine Mai	West Portal Lutheran School	Does Stroking a Cat Help You Relax?
Zach Sovereign	James Lick Middle School	Back of the Hand

### Biological Sciences

Kayla Yew	St. Gabriel School	How Long Can Your Lettuce Go Crunch?
Caitlin Crook	Star of the Sea School	Cells and Sugars

### Physical Sciences

Ian Watts	St. Gabriel School	Bowling by the Pound
Rothanak Prak-Austin	Herbert Hoover Middle School	Colors Fading

