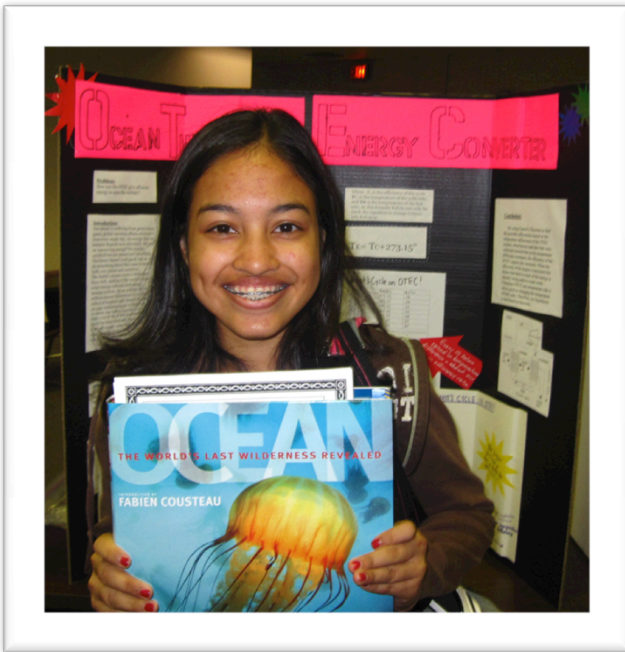


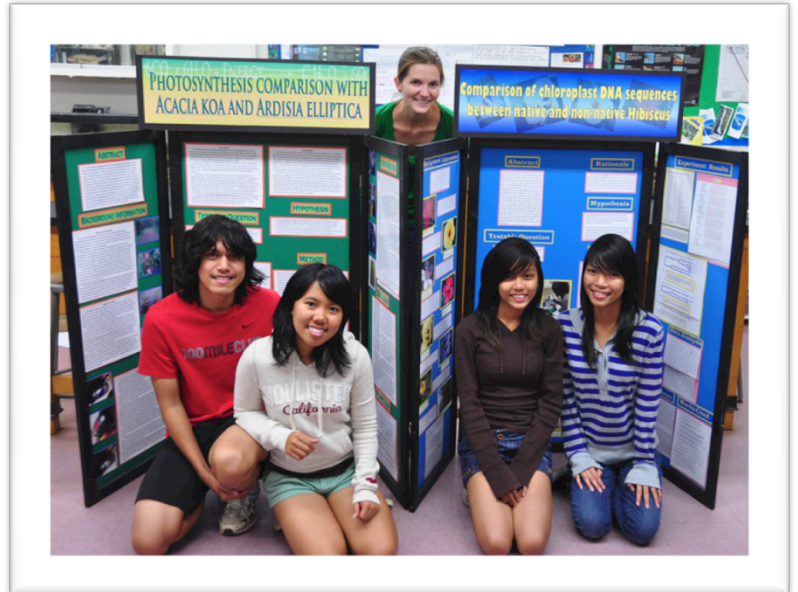
# Farrington High School Science Fair 2009

Farrington High School, located in the heart of Kalihi, is considered a Title 1 school with 91% of the student body population being of Native Hawaiian or Pacific Islander decent. The majority of the remaining 8% of the student body is comprised of other under represented groups.

On February 20, 2009, the first school-wide science fair in nine years was held in the school library. The students were excited for the opportunity to share their research with scientists from the community and the possibility to advance on to the Hawaii State Science and Engineering Fair held in April of 2009 at the Blaisdell Exhibition Hall. Tina Mueller, C-MORE's graduate assistant, was on hand to assist in the judging. After the judges' deliberation over a wonderful lunch prepared by the school's culinary academy, three winners and two honorable mentions emerged. Each project was very impressive and was given the opportunity to advance to the state science fair.



Tina also presented the C-MORE Award, a book, *Ocean: The World's Last Wilderness Revealed*, to Rhena Singh, whose project titled *Ocean Thermal Energy Conversion: Energy of the Future!* was outstanding for a freshman!



To further assist FHS students moving on to the HSSEF, Tina returned for two workdays, during the student's spring break, to help them prepare their display boards.

Each student that advanced to the HSSEF was also a winner at the state fair, winning various agency awards. The highlight of the state science fair for Ashley Cambe and Marjeson Gonzales was being able to discuss their research with Lt. Governor, Duke Aiona. Farrington High School is proud of their young budding scientists.

This event involved students who did scientific research and students from the carpentry academy, who built the wooden display frames, and the culinary academy, who provided the judges with a great lunch. The team spirit at Farrington is extraordinary. The students who participated can't wait to do another science project in the coming year; they were spurred on by seeing their hard work pay off with such great accomplishments.



**FHS Science Fair winners:**

**1st Place: Kate Garcia, Jenine Natividad & Mari Rabang**

Project Title: Comparison of Chloroplast DNA Sequences Between Native and Non-native Hibiscus

**2nd Place: Ashley Cambe & Marjeson Gonzales**

Project Title: Photosynthesis Comparison with Acacia Koa and Ardisia Elliptica

**3rd Place: Lyle Arrian C. Carlos**

Project Title: Mouthwash and Halitosis: Mortal Enemies or Magician and Assistant?

**With the following honorable mentions:**

**Honorable Mention: Joyce Aquino**

Project Title: PEM Fuel Cell (Energy)

**Honorable Mention: Rhena Singh**

Project Title: Ocean Thermal Energy Conversion: Energy of the Future!

**Specialty Prizes Awarded:**

**KAUPA Malama 'Aina Cash Prize (\$50)** to Ashley Cambe & Marjeson Gonzales for their project entitled "Photosynthesis Comparison with Acacia Koa and Ardisia Elliptica"

**C-MORE Award:** Book – Ocean: The World's Last Wilderness Revealed presented to Rhena Singh for her project entitled "Ocean Thermal Energy Conversion: Energy of the Future!"

**Hawaii State Science and Engineering Fair 2009 Agency Awards:**

**Ashley Cambe (10); Marjeson Gonzales (10)**

Teacher: Jennifer Hoof

Hawaiian Botanical Society/Winona Char Award \$50 First Place/Book

**Kate Garcia (10); Jenine Natividad (10); Mari Rabang (10)**

Teacher: Jennifer Hoof

Pioneer Hi-Bred International, Inc \$150 Cash Award

**Rhena Singh (9)**

Teacher: Bebi Davis

Navy League of the US, Honolulu Council \$50

NOAA Pacific Region Awards

**Joyce Aquino (12)**

Teacher: Bebi Davis

American Chemical Society, Hawaii Section \$25

American Public Works Association \$50

**Photo captions:**

The C-MORE Award was presented to freshman, Rhena Singh, for her project *Ocean Thermal Energy Conversion: Energy of the Future!* at the Farrington High School science fair. Photo by: T. Mueller

FHS Students with their completed display boards at the end of the two workdays. Marjeson Gonzales, Ashley Cambe, Jennifer Kuwahara (advisor), Jenine Natividad, and Kate Garcia. Photo by: T. Mueller

Ashley Cambe, Lt. Governor Duke Aiona, and Marjeson Gonzales in front of their project titled *Photosynthesis Comparison with Acacia Koa and Ardisia Elliptica* at the 2009 Hawaii State Science and Engineering Fair. Photo by: T. Mueller