

MILILANI HIGH SCHOOL FIRST ROBOTICS

A SCIENCE LEARNING CENTER PROGRAM



IGNITING INSPIRATION

During fall break, we came to school as we held our fourth Igniting Inspiration STEM Camp. For one week, third, fourth, and fifth grade students focused on hands on activities that taught the engineering design process and STEM.

In the space settler group, the students did a variety of different activities. Throughout the week they learned about Rocket Design, did an egg drop activity, learned about Rover Modifications, Zipline, and Astronomy.

There were two sections of the STEM Explorations camp. In STEM Explorations camp 1, students learned how to use Scratch Programming. At the STEM Explorations 2 camp, inspired by Science Olympiad competitions, students learned about chemistry, navigation, and wave motion, including sound and music. Students also got to build pasta bridges.

In LEGO Robotics, students got to work with the missions from the 2013 FLL competition theme, Nature's Fury.

For more of our story, visit the Hawaii DOE website at <http://bit.ly/1NFenDQ>



Our son loved the robotics camp. He learned something new and couldn't wait to try it out on his own mind storm robot at home. It was a great idea having the high school students lead the camp.
- Lynsey (parent)

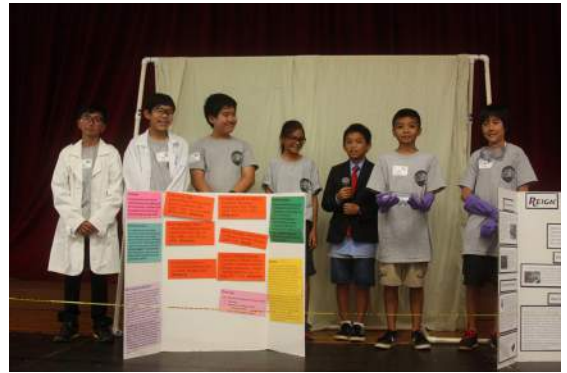
My daughter loved it. Each day she came home sharing about what she learned that day. I also liked that the high school students were involved in teaching the lessons. I was impressed with their teaching skills and their willingness to interact with the elementary students.
-Lori (parent)

I learned that kids are very tiring, but it's also extremely rewarding to know that you've instilled a positive attitude towards robotics in them. I learned how much I actually love working with kids and it's inspired me to change the career I want to pursue. I have decided that within the medical field, I want a specialty dealing with children.
-Nicole Brewer (MHS student)

It's was quite inspiring to work with the kids because they have something that most of us have lost, a curiosity to know everything. As high schoolers, we don't really question why things are as they are, we just accept it. Kids haven't lost that, so to hear questions such as "Why is the sky blue?", or even "Why does it do that?" is quite an eye opener.
-Rachel Matsumoto (MHS student)

FLL District Tournament Hosts

FIRST LEGO League (FLL) serves as a competition ground for elementary to middle school students. This was our fifth year hosting the Mililani FLL district tournament. 13 teams competed in this years game, Trash Trek. Mililani Middle School took the overall highest award at the compeition. A big mahalo to all of the volunteers that made the event a success.



Upcoming Events

- **FTC League Tournament**
Saturday, November 14
at Punahou School
- **FTC League Tournament**
Friday, November 27
at Mililani High School
- **FTC State Tournament**
Saturday, December 5
at Neil Blaisdell Center
- **FRC Kickoff**
Saturday, January 9
at McKinley High School

Make a Difference Day

Recently, the robotics team was fortunate enough to be given an extra room to be used as a shop for all of our projects. After cleaning and prepping the room, on Make a Difference Day, October 24, students were able to give it a fresh coat of paint. Currently, it is the home to the FTC RES-Q game field.

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