



Waiakea robotics and the Zonta Club of Hilo Present the 2<sup>nd</sup> annual



## **Amelia Earhart Girls Engineering Day**

Saturday, Oct 4<sup>th</sup>, 2014

Waiakea High School Library

**Purpose of the program:** This is the second year we are offering the Girls Engineering day after a very successful first year. It's intended for girls currently in grades 4-8 who may be interested in STEM (Science, Technology, Engineering and Math) careers. We hope to expose them to the exciting possibilities of a STEM career and to have them interact with female role models who pursued careers in STEM. This year the girls will be engineering two different airplane models and a water bottle rocket. All of them will be flown during the session and then taken home for further exploration.

**Agenda:**

- 8:00-8:30 Registration
- 8:30-9:00 Welcome and Q&A with a female Pilot
- 9:00-10:00 Foam Plate gliders construction and flying
- 10:00-11:00 Delta Dart construction
- 11:00-11:45 Lunch (on your own)
- 11:45-12:15 Q&A with an Engineer
- 12:15-1:00 Bottle Rocket Construction
- 1:00-2:00 Bottle Rocket Launch
- 2:00-2:45 Flying the Delta Dart
- 2:45-3:00 Closing

### **Additional Info:**

If you are interested in attending this years Girls Engineering Day please complete the application and either scan or mail it back as soon as possible. We are limited to the first 40 participants. Participants must be accompanied by an adult, preferably a parent or teacher. Due to funding and sponsorship by the Hilo Zonta Club there will be no charge for the program but we ask those who are enrolled to make every attempt to be there that day. No shows will take up slots that could have been given to someone else. Participants will make and keep a foam plate glider, water bottle rocket with launch plans, and a rubber band powered delta dart flyer. Return forms to:

Dale Olive  
155 W. Kawili St.  
Hilo, Hawaii 96720

Or Email to:  
[Scienceguyme@yahoo.com](mailto:Scienceguyme@yahoo.com)

I will be emailing a confirmation to you as soon as I receive your form. Thank you,

Dale Olive