

# THE GREEN FLASH

HPA'S ENERGY LAB MONTHLY NEWSLETTER

February 2010, ISSUE NO. 1

## WELCOME

to the first issue of "The Green Flash"-HPA's monthly newsletter informing you about what's been happening and what there is to look forward to at the Energy Lab. Since the soft opening on January 5th, the elab continues to welcome local and worldwide visitors. Slowly, K-12 students and teachers are being exposed to the lab through class tours and cross-curriculum type lessons. On top of that, Grand Opening plans continue to develop for what is no doubt going to be a very special event in April!

### SUSTAINABILITY

=

### THINKING

### ABOUT

### FOREVER!



## The Energy Lab says "CHEESE"!

Professional photographers brought in by both HPA and the building's architects took full advantage of this month's beautiful full moon. I am sure you will agree that what they captured (including the photo above) was truly spectacular! Photos will be used in the new elab's brochure, which will

be published by the end of this month. The Hawai'i Association of Independent Schools (HAIS) also had the chance to do some filming of classes using the lab including Mike Franklin's upper school science class and Kristin Tarnas' 5th grade class.



Junior ROBBIE REED conducts a lab in the workshop in his AP Environmental Science class.



Dr. Wiecking teaches the 3rd graders about how they can use the workshop for their student projects.



KINDERGARTEN ready to work with their hard hats in the basement workshop also known as "The Batcave".

## Village Campus Visitors

On January 29th, **Melisa Kennedy** and her **3rd Grade** class came to the elab for their first official lab tour. They learned about its special features including the building's carbon dioxide sensors and automated monitoring system. Students used the outdoor classroom area to brainstorm adjectives together and create their very own cinquain poems about the Energy Lab.



**Kristin Tarnas** and her **5th Grade** students have really made themselves at home in the Energy Lab. Numerous visits including, one with their Grandparents on Grandparent's Day at the Village Campus included use of the video teleconferencing room to "Skype" family on the mainland. They are certainly looking forward to their stargazing overnight campout at the lab on March 4th as well.



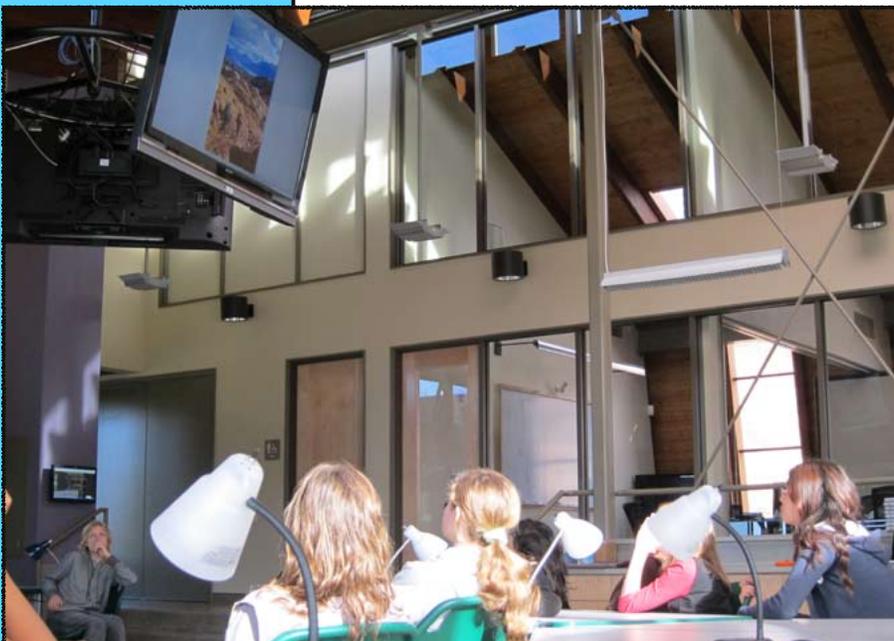
## KINDERGARTEN - TRUE EARTH HEROES!



**Hope Soo** and her **Kindergarten** kids pledged to be EARTH HEROES during their visit to the Energy Lab on February 16th. Lab tour highlights for them included learning about the 'iboat' in the basement workshop and each student climbing up to touch their personally decorated project shelf.

## 7TH GRADE GONE WILD!

**Matt Piercy** and his **7th Grade** students were treated to a special presentation this month by a guest speaker who educated the class about conservation efforts in the Patagonia areas of Chile in South America. Students were able to view the powerpoint presentation on the large television screens in the main hall, which included some magnificent images of the scenery, wildlife and environmental conditions in such a remote place.



# High School Happenings



International Day on February 1st at the HPA Upper School opened up the the Energy Lab to YOGA!

**Ari Bernstein** and his upper school digital media students have been busy creating a teen walking tour of the Energy Lab and the building's special features. They plan to start shooting early March and have have the tour accessible for viewing on the HPA website.



## ENERGY LAB FUN FACTS

Number of sensors in the Energy Lab

**350**

Highest recorded wind speed this month behind the lab (mph)

**79**

Percentage amount of the collected solar power we use

**20**

# OPENHAGEN 2010

HPA and Global Footprint Network have joined together to initiate and host "Openhagen" - an international student sustainability congress that will simulate activities of the 2009 Copenhagen climate change summit in a progressive project: a mini-version in April 2010 and fuller version in June with more participating schools. Openhagen has the potential to grow into a recurring educational event that will bring collaboration amongst students from around the world. Selected upper school students will

have the opportunity to participate in the event leading up the Grand Opening of the Energy Lab. Currently, HPA has partner schools in Sydney (Australia), Hamburg (Germany), Dresden (Germany), Alaska and a number of other schools across the globe that are very interested in being a part of this developing project. Stay tuned for much more to come....



For more information about Global Footprint Network visit:

<http://www.footprintnetwork.org/>

## TEACHERS - We want your ideas....How can we integrate the Energy Lab resources and facilities into our HPA curriculum?

Currently, the Energy Lab has the following resources for you and your students to use:

- 20 x Macbook (laptop) computers
- 20 x Macbook Pro (laptop) computers
- 10 x iPod nanos (with video recording capabilities)
- Video Conferencing Room (with "Skype" capabilities)
- 3 x large screen television monitors connected to a Mac Desktop (in the Main Hall)
- Smartboard (with wheels) currently in assemblage
- Digital Projector (in project rooms)



### TRY MAKING THIS GREEN ALL PURPOSE CLEANER AT HOME:

1. Fill half a 32 oz. spray bottle with water.
  2. Top it with distilled vinegar (leaving a little room at the top)
  3. Add 10-14+ drops of lemongrass essential oil (hides the smell!)
  4. Add 2-3 drops of earth friendly dishwashing liquid.
  5. Cap and shake
- \*Use for cleaning windows, mirrors, floors, chrome, stainless steel, porcelain, bathrooms, toilets, car windows/mirrors, door handles, and much more!



Like the lava rocks with its special shapes and rough edges embedded in the wall structures at the Energy Lab, we hope to keep such uniqueness in the shaping of each student that comes to learn at the Energy Lab.

### WANT TO SCHEDULE A CLASS VISIT TO THE ENERGY LAB?

Email: [elabassistant@hpa.edu](mailto:elabassistant@hpa.edu)

Phone: 881-4266