

## Summary Report for Cascades Science Squad Science Days – Aug 25, 2012

[Jul 14](#)

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[Aug 11](#)

**Aug 25**

[Sep 8](#)

[Sep 22](#)

[Cascades Science Center Foundation](#) is a non-profit organization with a mission to inspire enthusiasm for science, technology, engineering and mathematics through hands-on science education. Thanks to the parents for getting involved with the foundation by making their child part of the [Science Squad](#), volunteers (activity leads and activity assistants) for donating their time to engage kids in science and [Children's Home Society of Washington](#) for providing a venue at [North Seattle Family Center](#). Next session is on **Saturday, September 8, 2012**. If you are the activity lead or activity assistant, you can find pertinent information at [Cascades Science Squad Activity Lead Guide](#). Overall the event went very well. William Brenes, Tsega Desta, Siren Hakimi and Yasmin Gastelo, thank you for doing fabulous job as the program leads of the day. The photos from the event can be found on our Facebook page [here](#). Bryan Benites ... thank you for assisting with the activities and keeping kids focused through all the lessons.

### Physical Science



#### Power of Color

Activity Leads: Pete Traube  
Alex Henry, Vincent Wong

- In [Color changes with acid and bases](#) session, the kids learned if a substance is an acid, base or neutral using the red cabbage indicator solution.
- In [forwards and backwards activity](#), the students learned about pH, the pH scale and about acids and base solutions.

### Engineering



#### Solar Energy

Activity Leads: Alex Henry, Samantha Jarema, Christopher Gromek, Denise Nakamura

- In this introductory session to [Solar Energy](#), students learned how energy from the sun can create electricity using solar panel.
- They further explored ultraviolet light, what it is, where it comes from and how we can detect it by [Creating art on sun sensitive paper/fabirc](#).
- In the next activity, [Detecting UV exposure using UV beads](#) the students learned that the Sun gives us more than just rays from the visible light spectrum and gives off light we can't see -- such as ultraviolet radiation.

### Aerospace



#### Model Airplanes

Activity Leads: Vincent Wong, Cyrus Liu, Gina Malaver

- In this session, the students made a [Balsa wood model glider](#). They added movable control surfaces to see how they affect the airplane's flight.