

Events

- **MESA Day at PSU** – Save the Date: Friday, May 9 - <http://www.mesa.pdx.edu/index.html> - MESA clubs gather for a day of engineering challenges and excitement as groups work to solve problems and present solutions – and to see themselves on a college campus.
- **4H Middle School Summer Science Camp** – once again, **full scholarships** are available to this award-winning camp put on with the support of the Bernard Harris Foundation -- <http://oregon.4h.oregonstate.edu/programs/events/techcamp.htm>
- **Software Day at the Capitol** – February 20, 2008 – The Software Association of Oregon is leading a day of information, education and advocacy designed to facilitate meaningful dialogue between members of the software community and government leaders. http://db.sao.org/calendar2/event_description.htm?eventID=2/20/08

Funding

- **Motorola Innovation Generation Grants for \$500 - \$100,000. Deadline March 01, 2008.** In an effort to cultivate the skilled scientists and engineers needed to create tomorrow's breakthrough ideas, in 2008 the Motorola Foundation will provide \$4 million in Innovation Generation Grants to organizations that engage U.S. K-12 students and teachers in innovation, science, technology, engineering and math. Any U.S. non-profit, schools or school districts may apply. Get more info or apply online at www.motorola.com/giving, or contact Tama McWhinney, Motorola, ((847) 538-1865; tama.mcwhinney@motorola.com).

Articles

- **“Future Engineers are Getting Younger”**, ETIC grantee revs up implementation of PLTW in Salem – http://opas.ous.edu/PLTW_Advocacy/Articles/Statesman_Journal_013008.pdf
- **“High School Girls take robotics talents to state championship this weekend”** - http://opas.ous.edu/Committees/Resources/Articles/Cherribombs_Jan08.pdf. The Cherribombs did not scoop an award. The Brainy Bunch, a different all-girls team, took top honors along with The Plastic Minifigures. Oregon Robotics and Tournament Outreach Program (ORTOP)’s website: <http://www.ortop.org/> and press release: http://www.ous.edu/news_and_information/news/012308.php. Efforts now focus on the high school FIRST Tech Challenge: <http://www.ortop.org/vex.htm>.
- **“Schools aim to solve huge math problem”** – article on PISA results – see also the PISA results report under “Data” -- <http://www.eschoolnews.com/news/top-news/related-top-news/?i=52353; hbguid=cf9da252-02a8-4d34-870b-2f2e2b1d1409>

Data

- **PISA results** December 2007 - <http://nces.ed.gov/pubs2008/2008016.pdf>
- **NCES report:** “Mathematics Coursetaking and Achievement at the End of High School: Evidence for the Education Longitudinal Study of 2002 (ELSE:2002) - <http://nces.ed.gov/pubs2008/2008319.pdf>.
- **NSF Science and Engineering Indicators 2008** - <http://www.nsf.gov/statistics/seind08/>

A service of the Oregon Pre-Engineering & Applied Sciences Initiative

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PLTW

- **PLTW Director visits OPAS** – on January 22, 2008 PLTW Director of State and Corporate Relations, Western Region, visited with the OPAS Prepare Workgroup and a changing array of guests to share information on the status of PLTW in Oregon, the Oregon educational landscape and resources, how other states and regions have implemented PLTW, and more detailed critique of the use of CS in PLTW. A very productive and packed visit -- some highlights:

- CTE Considerations in Oregon Relevant to OPAS – Perkins IV, new grad requirements (also posted on the OPAS Master Resources List) - http://opas.ous.edu/PLTW_Advocacy/Summary_CTE_in_Oregon_Jan08.pdf
- Tim Brower's slides on status/ roles - http://opas.ous.edu//PLTW_Advocacy/Brower_PLTW_Roles_Status_Oregon_012208.pdf
- 1 pager on PLTW in Oregon (also posted on the OPAS Master Resources List) - http://opas.ous.edu//PLTW_Advocacy/PLTW_Brief_012208.pdf
- 1 pager on OPAS (also posted on the OPAS Master Resources List) - http://opas.ous.edu//Workgroups2007/OPAS_recap_012208.pdf

Jo is also working on some webpages on PLTW in Oregon as a central reference for advocacy work.

- **Lockheed Martin forms partnership with PLTW** - Press Release - http://opas.ous.edu//PLTW_Advocacy/Lockheed_Martin_PRelease_Jan08.pdf
- **PLTW in Salem** – see Articles, above.
- **Washington State AeA has been championing PLTW**; as well as lobbying at the state level, they mentor students, participate in senior project review teams, serve on pre-engineering advisory committees at schools, and host charity events which fund school pre-engineering programs - http://www.aeanet.org/aeacouncils/wajl_projectleadtheway0108.asp