



OPAS

Oregon Pre-Engineering & Applied Sciences Initiative

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ETIC

The Engineering & Technology Industry Council
is a public-private partnership advising the
Oregon University System (OUS)

- Growing engineering & technology programs in Oregon
- Growing research
- Opportunity for Oregonians

OPAS

- If you want more OUS graduates and thus more employable engineers and innovators ... you need frosh who are
 - Academically prepared
 - Motivated to enroll – so must have an idea what engineering and computer science (CS) are and why they matter
- Stakeholders promote & collaborate to expand Oregon's capacity to prepare, motivate & support students who want to make stuff and solve problems using math and science.
 - In class
 - Out of School Time (OST)
 - Marketing

Bright Future Strategy

- Extend national exemplar PLTW to make Introduction to Engineering Design (IED) available in more high schools and introduce Gateway to Technology (GTT) to more middle schools.
- Expand proven OST programs featuring team-based engineering by partnering with districts to support coaches (stipends, training ...)
 - eCHAMP helps generate student interest in engineering, CS experiences and courses
- Other segments re: OST, CS, Marketing

Why PLTW?

- Track record & ongoing evaluation
- Emphasis on academic rigor & project-based learning
- Ongoing curriculum updates & development
- Nationally normed assessments
- Professional development & support system
- Market share & brand recognition

How will OPAS help YOU?

- \$ to districts - our estimate of the costs for training a teacher and the first year of equipment & materials
 - High Schools: IED
 - Middle Schools: GTT
- RFP
 - available in November
 - at least \$300K total
 - expect to fund 6 middle & 6 high schools in each of 2010 and 2011

OPAS may also be able to help
connect you to additional resources
or collaborating partners

- “In the OPASsphere” e-newsletter
- ORTOP – JFLL, FLL, FTC & other OST
- National Engineers Month (BEC)
- OSU Engineering Ambassadors

Thank you!

- Let me have your contact information & I will be sure that you receive notification of the RFP when it comes out.
- Let me know if you would like other information.

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