

eCHAMP Fact Sheet

What is eCHAMP?

eCHAMP is designed to use the model of high school athletics to empower the development of high performing after-school programs in engineering and computer science. The Oregon University System in collaboration with the Oregon Engineering & Technology Industry Council (Oregon ETIC) has funds available to encourage teachers to become engineering and computer science coaches. The coaching program is called eCHAMP for "Engineering CoachIng And Mentoring Program." The grant application deadline is January 15, 2010.



What grant money is available?

Grants are available to start after-school engineering and computer science teams. Oregon high schools new to eCHAMP are eligible for a grant of up to \$6000 to provide half the cost of teacher coaching stipends in their first year. The grant can also include up to \$4000 to cover the cost of materials and equipment to get a new after-school program started. Those schools that successfully start eCHAMP during the 2009-2010 school year will be eligible to apply for an additional grant to cover half of the teacher stipend in their second year.

Which afterschool programs are eligible?

eCHAMP funding is available for coaching high school computer science and engineering teams including:

- First LEGO League (FLL), www.usfirst.org/roboticsprograms/fll
- First Tech Challenge (FTC), www.usfirst.org/roboticsprograms/ftc
- First Robotics Competition (FRC), www.usfirst.org/roboticsprograms/frc
- Oregon Game Project Challenge (OGPC), www.techstart.org/ogpc
- Design For The Other 90%, other90.cooperhewitt.org
- LeMelson-MIT InventTeams, web.mit.edu/inventteams

What teacher training is available?

The TechStart Education Foundation in association with the **Oregon Computer Science Teachers Association** offers **SuperQuest** summer workshops for teachers in computer science and pre-engineering. Teachers spend a week of intense, interactive training and walk away with ready-to-use classroom materials. See www.techstart.org/superquest for details.

Oregon Robotics Tournament & Outreach Program (ORTOP) provides free coaching and mentoring workshops for two of the FIRST programs – FIRST LEGO League (FLL) and FIRST Tech Challenge (FTC). See the following web pages for details:

FLL Workshops: www.ortop.org/fll/res.htm#work

FTC Workshops: www.ortop.org/ftc/res.htm#work

FRC New Teams Workshop, Sep. 25th 2010 at Catlin Gabel School. Details: www.oregonfirst.org/calendar/

We would also be happy to put you in contact with teachers who have participated in the eCHAMP pilot program for ideas and mentoring. See contact information below.

How do I apply?

For information about the application process, please go to the following web page www.ous.edu/bapp/bopps/view/1656. The application closing date is January 15, 2010.

How do I learn more?

We expect you will have questions before you are ready to fill out the grant application form. For more information, please choose among the following:

General information and history of the eCHAMP program www.techstart.org/echamp

Background on this grant program plus applications forms: opas.ous.edu/Grants

Questions: Ken Cone, OUS Industry Affairs, 503.725.2918, Ken_Cone@ous.edu