



All-OPAS Workshop February 4, 2009:
Motivate Workgroup
 Focal Strategy

Increase students' interest and knowledge of engineering and applied science opportunities

- Starting in 2006, work focused on connecting volunteers to opportunities; Developed STEM Volunteer Survey
- Created a Phase Model to define motivation --
http://opas.ous.edu//Workgroups2007/Motivate/Motivate_kickoff_Phase.pdf
- Honed in on Out of School Time (OST) activities as the best leverage point for volunteers;
- Realized connecting to schools is the best leverage point for OST activities & are creating a pilot Engineering Coach And Mentor Program, eCHAMP, to do so;
- Building a framework for connecting OST activities to each other and to matriculated university engineering & CS students

1



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 Accomplishments

- Helped BEC increase participation in NEM and to encourage their volunteers to also participate in other programs such as ISEF and ORTOP
- Bright Future Proposal
 - Student Internships for the Best & Brightest
 - Teacher Internships for breadth of impact
 - eCHAMP to create an OST structure analogous to band or mock trial, leveraging school connections, teacher expertise, and volunteers; sustainability resides with districts, schools, and teacher contracts
- Surveying frosh for better understanding of effects of OST

2



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eCHAMP Overview

- Engineering Coach And Mentor Program
 - Cost-sharing with schools/districts to institute a stipended staff member as a Champion for Engineering OST programs within a school/district
 - 5 School pilot funded by The Lemelson Foundation and the Intel Foundation
 - Clubs to incubate teams participating in “brand-name” exhibitions, challenges & competitions e.g. Robotics, OGPC, JETS

3



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2009 Goals

- Complete eCHAMP Pilot Program
 - Develop and secure signed pilot school contracts
 - Issue eCHAMP Press Release about Pilot
 - Finish eCHAMP website
 - Perform Pilot evaluation
- Prepare for Bright Future Program
 - Modify Program based on Pilot Program results
 - Identify and select 2009-2010 schools
- Survey incoming Engineer students at OUS schools
 - Identify factors that motivated pursuing Engineering

4