

**OPAS Motivate Group Planning  
Tuesday, February 06, 2007**

Attendees: Ben Manny, Eileen Boerger, Jo Oshiro

Instead of an agenda, we are using the notes of the January Planning meetings.

Recruiting:

- Jo will call non-respondents today (except Carla Faini, Ray Vandiver, Joyce Cresswell)
- Eileen talked to Harvey Mathews, but not about this. She will talk to him.
- Eileen Drake and Eileen B. have opened the conversation, and Eileen Drake is thinking over her time commitments.
- Eileen has not been able to get ahold of Mary Fehrs.
- Ben to talk to Ray about joining Motivate.
- Ben to talk to Carla about joining, about what “Academic Programs Manager” means.
- Eileen will talk to Joyce Cresswell.
- Ben will talk to Tom Lieurance. This will give us CC coverage
- For now, we’ll let University undergraduate slide unless inspiration hits – PSU college of engineering?
- Ben will talk to Toni Dancu.

Talking about NOISE:

- The Texas experience – interlocking with professional teachers’ groups
- Meeting some of the people
- Will need a home – should Motivate take that role? Should OMSI?

Straw Proposal:

- Get NOISE healthy and going
  - What does it mean for NOISE to be successful?
    - Finding a home
    - Get website up – measure activity
    - Get listservs up – measure activity?
    - First meetings of the 4 committees
      - Leadership
      - Communications
      - Connecting with Formal Education
      - Funding
    - Second annual conference
    - Paying members
- Do a matrix of phases vs. audiences and identify the biggest hole?

	<b>Awareness</b>	<b>Encounter</b>	<b>First Engagement</b>	<b>Commitment</b>
<b>Students K-5</b>			JFLL ORTOP	
<b>Students 6-8</b>			ORTOP	
<b>Students 9-10</b>			Explorer Post	

<b>Students 11-12</b>			Explorer Post Engineering Challenge	BEC Internship ACE
<b>Parents</b>				
<b>Teachers</b>			BEC Internship	

- We think we want to focus on upper grades sustaining interest – BEC Internships and ACE, Engineering Challenge
  - Targeted interviews of ACE participants – students and hosts, a kind of retrospective of the experience, across several participants
- How do we reach non-classroom adult influencers?
  - Talk to 4H?
  - The power of TV (CSI, Junkyard Wars, Design Squad, Mythbusters)

\*\*\* Send UTeach info to Prepare Workgroup

**OPAS Motivate Planning Meeting**  
**Friday, February 23, 2007 – 9:00 am, Capital Center**  
Jo's Draft Agenda

Goal for this Meeting:

- Final Agenda for the Kickoff Meeting.
- Straw Proposal
- List of handouts/materials for Jo to prepare
  - Do we want folders like those at the workshop? Cost ~ \$10/box.
- Action Items for completion before the meeting

Status Reports:

- Recruiting (see current roster attached)
  - Eileen
    - Harvey Matthew
    - Mary Fehrs
    - Eileen Drake
    - Joyce Cresswell
  - Ben
    - Wendy Hawkins
    - Carla Faini
    - Tom Lieurance
    - Toni Dancu
  - Jo – still needs to contact
    - Jim Troisi
    - Rane Stempson
- NOISE – tabled until after the meeting 2/27
- Internships
- Catering
  - Coffee, tea, ice water, asst bottled juices (6 enough?)

- Mini Danish/muffins – 1 dozen enough?
- Small Fruit tray (serves 15-20)
- Coffee refresh at 10:00 if needed – no additional food
- Box lunch – an assortment of sub sandwiches and salads (Chicken Caesar or Chicken Cobb at \$8.95 each – I've asked for dietary prefs)
- Final Head count due Monday
- Expenses
  - \$250 Catering for 15
  - \$162 Sub for Don Domes
  - \$60 Parking validations for 15

Handouts:

- Notes from January Planning meetings, containing draft agenda for the kickoff meeting
- Notes from last meeting, 2/6/07, containing notes for Straw Proposal

## Roster

Co-Chair Ben Manny	Retired from Intel R & D	Ben is an enthusiastic UT Austin alumni with a passion for education.
Co-chair Eileen Boerger	VP and General Manager, Agilis Solutions	Eileen is a member of ETIC, and has a long history of educational activism.
Sue Ann Bottoms	Assistant Director, SMILE (Science Math Investigative Learning Experiences) OSU	Sue is a new recruit to the OPAS Initiative.
David Coronado	Director, MESA (Math Engineering Science Achievement) PSU	David is working on a Pre-Engineering Conference for MESA students and their families at PSU on April 14.
Don Domes	PTE Teacher, Hillsboro High School	Don is a passionate advocate of hands-on education, and changing the system through grass roots activism. He's coached LEGO Robotics, and this year has a Lemelson InvenTeam.
Mary Beth Horton	Deputy Director, BEC (Business Education Compact)	Mary Beth is enthusiastic about the synergies between the missions of BEC and OPAS. She has been working on the NOISE planning committee.
Valeree Lane	Director of Public Affairs, OIT	Valeree was at the OPAS Workshop in November, and travels around the state often.
Jo Oshiro	OPAS Staff Support	Jo came to OPAS after 10 years "at home" as personal assistant to a kid who's done soccer, Girl Scouts, LEGO Robotics, marching band. She thinks that STEM education is more closely allied to arts education than most people are willing to admit, and believes passionately in active learning and immersion. In a previous life, Jo did a variety of computer programming and support.
Roger Rennekamp	State 4H Program Leader	Roger recently attended the NOISE conference.
Kathryn Schwartz	Software Association of Oregon Foundation	Kathryn runs the SuperQuest professional development program, and the Willamette-SAOF High School Programming Contest, held in March in connection with the Computer Science Teachers' Conference. She recently attended a conference for the Northwest Girls' Collaborative Project. Kathryn has 3 kids in the Portland Public Schools and believes in the constructivist classroom.
Ray Vandiver	VP of Exhibits, OMSI	Ray has been an enthusiastic and proactive supporter of OPAS and has made OMSI a generous donor to OPAS workshops and outreach efforts.

### Advisors and Interested Observers - on the listserv to stay informed, not attending meetings regularly

Eda Davis-Butts	Director of SMILE (Science and Math Investigate Learning Experiences) OSU	Eda chairs the OPAS Initiative Succeed Strategy Workgroup and is an articulate and well-traveled champion for diversity and creating a college-going culture. She likes the symphony.
Endi Hartigan	Communications and Administrative Coordinator	Endi 's background is in writing, and she is an active part of OUS communications team supporting OPAS. She is dedicated and resourceful administrator whose time and ingenuity has benefitted the initiative.
Wendy Hawkins	Intel Corporation	Wendy has experience with the Intel Foundation and is interested in the work of the OPAS Initiative.
Di Saunders	Director, Communications Department, OUS Office of the Chancellor	Di has been a key part of the OPAS effort from the beginning. She's a NW native who has spent time with the Peace Corps, in Africa, and in the foundation sector in the Northeast.

### OPAS Motivate Workgroup Planning Meeting Notes February 23, 2007

Attendees: Ben Manny, Bruce Schafer, Eileen Boerger, Jo Oshiro

Joyce Cresswell agreed to join; Jo will send her Kickoff Meeting Info.

Jo – call for RSVPs. Call and send kickoff info to Wendy Hawkins.

Discussion of internships. Difficult. Hard to scale up. What about job shadows? Possibly talk more to Dacia Ermatinger, Joyce Cresswell, Marybeth Horton.  
Be cautious.

Ben will talk to Morgan about hooking up the Intel museum with NOISE.

Handouts:

- Goal/Strategy & Agenda
- Goal/Strategy & Phase Model of Motivation
- Fostering STEM Diversity paper (from website)
- Some Possible Methods & Criteria (from website) Bruce has revisions
- Notes pages

Goal: increase students' interest and knowledge of engineering and applied science opportunities for the purpose of pursuing technology-oriented careers.

Strategy: Increase the engineering and applied science content of STEM education programs.

Metric: every student has had at least one engineering experience by the time they graduate.

Metric: who and how many are going into high-tech postsecondary education?

Metrics – final and intermediate. Find the things you can measure now that you hope correlate with your final.

Metric from ETIC Pre-College: number of students; number of classroom hours

Tie metrics between phases of conceptual model.

Goal for the day: develop agenda, action items, and metrics for the year.

Straw Proposal:

- Collaborate with NOISE around the E of STEM
- Increase the presence of classroom volunteers
  - Recruit from smaller businesses
  - Training
    - Teachers to use volunteers
    - Volunteers to teach teachers
    - Volunteers to teach kids
- Increase business involvement outside the classroom
  - Job shadows
  - Internships
  - Open houses
  - Career fairs