



OUTREACH COMMITTEE

MAY 8, 2008 from 6:00 – 7:00

PANERA 3808 GRAND WAY ST LOUIS PARK, MN

ATTENDEES

Anita Hall	General Mills
Allison Petersen	Goodrich
Holli Pheil	Boston Scientific
Krista Johnson	Boston Scientific
Leslie Wycoff	Stratasys
Roz Dolid	MTS
Sara Beck	Transoma Medical

COMMITTEE GOALS

Tactic (Activity, Event, Program)	Responsibility	Complete Date	Status
<i>Grow the Outreach Committee by 50%</i>	<i>Outreach</i>	<i>10Nov07</i>	<i>Complete</i>
<i>Increase the number of volunteers by 30%</i>	<i>Outreach</i>	<i>June 08</i>	<i>Underway</i>
<i>Expand the Engineer @ School program</i>			<i>Egg Mobile – 23 kids Earthquakes – 47 kids</i>
<i>Increase number of students reached at outreach activities/events by 10%. (last year we reached 2500 students)</i>	<i>Outreach</i>	<i>June 08</i>	<i>Complete – 3655 girls to date!!! Fox 9 – 650 girls Bike Book – 96 children Lakeville Career – 30 HS girls GSPD – 122 girls / 43 parents Blaine HS – 100 kids /100 parents MBP Volunteer – 400 kids STEM Summit – 400 kids Eng@School – 23 kids SSS – 820 kids & parents MTS Bike Book – 35 kids Tech Fest – 538 kids & parents Farnsworth Sci Night – 200 kids Robbinsdale – 115 kids Oakdale Bike Book – 52 kids Eng@School – 47 kids Chanhassen Bike Book – 27 kids</i>
<i>Conduct a Connecting to Educators to Engineering program during EWeek 2008 or mentor high school girls and/or host an outreach event for high school girls.</i>	<i>VP & Outreach</i>	<i>Feb 08</i>	<i>MISF forum – 104 teachers Bloomington – 5 teachers, 2 principals, 1 district advisor SCSU Horizon Conf – 25 girls Mahtomedi – 90 kids, 16 teachers PLTW conference – 15 counselors PLTW meeting – 24 teachers</i>
<i>Hold at least one outreach event with an elem school in FY08 and /or host a WOW! Event at a middle school and/or support K-12 website.</i>	<i>Outreach</i>	<i>June 08</i>	<i>Bike Book – 96 children Farnsworth Sci Night – 200 kids Oakdale Bike Book – 52 kids Chanhassen Bike Book – 27 kids</i>

Awards Packet from SWE National: Krista and Anita will meet to fill out the forms to apply for the awards.

Activities since last meeting:

- **Project Lead the Way:**
 - **4/10/08:** Naomi spoke at the state-wide PLTW conference to 15 school counselors about STEM and new ways to reach out to kids.
 - **4/15/08:** Naomi was the keynote speaker for the PLTW Counselors session at Normandale Community College. She spoke to 24 counselors and administrators about STEM and new ways to reach out to kids.
- **Engineer @ School:**
 - **4/23/08:** Anita and Doug Zbikowski from the Geological Society of MN will give an earth science presentation to Bloomington's Dimensions Academy. Doug presented his research on Does Polar Drift Drive Mega-Earthquakes? Forty-seven 4th and 5th grade kids attended.
- **Bike Book**
 - **4/25/08:** 1 session at Chanhassen Elementary for 27 second graders
- **4/29/08 - Saint Bernard's School:** Patrick Puskala – Life Science Teacher invited SWE to meet with about 30 of their female high school students. Four volunteers spent 1½ hours talking with 29 young women about their college experiences, choosing their fields of study and what's fun and rewarding about what their current jobs.

Activities scheduled for May/June:

- **Engineer @ School:** for more information or to volunteer, contact Anita at Outreach@swe-mn.org
 - **5/14/08:** Bloomington's Normandale Hills Elementary is interested in Optics. Anita is working on assembling Optics demo and kaleidoscope kit. If you have a passion for optics or have information to contribute please contact Anita.
 - **5/28/08 - Engineer @ School:** Anita and others from GMI will give a talk on nutrition and do an enzymatic browning hands on activity at Dimensions Academy in Bloomington
- **Bike Book** Roz will need more pencil packs for May – also needs donated examples of levers (ie: clippers, salad tongs, pizza cutters, etc) to pass around to the kids. Bike parts would also be appreciated. Volunteers needed to help keep the kids on track during the session, looking over shoulders to make sure they don't fall too far behind because it goes quickly, sharpening pencils when needed because they often break, and also will be asked talk a bit about their jobs and what engineering means to them.
 - **5/9, 16, 23 & 30/08: Crestview Elementary in Cottage Grove** (East St Paul) 1:15 – 2:15 PM -- sixty-six 5th graders. Need volunteers – especially for the 5/30 class.
 - **5/9, 16, 23 & 30/08: 4-week session at Marcy Minneapolis Kids** (SE Mpls). 4:00 – 5:00 PM. Sara will assist Roz for these 4 sessions. Expecting 5 kids.
- **5/21/08 – Lake Harriet School** 8th grade outreach: Lake Harriet school (1 mile North of Southdale). They are currently studying solar power so therefore SWE will be doing the Solar Car Agilent kit. There are four 8th grade classes – totaling 104 kids. Looking for 5-6 volunteers each for a morning and afternoon session. Sara Beck SBeck@transomedical.com is the contact. To volunteer please contact Volunteer@swe-mn.org
 - 9:30 AM to 10:25 AM - 36 kids
 - 10:25 AM to 11:50 AM - 32 kids
 - 11:50 AM to 12:40 PM - 23 kids
 - 12:40 PM to 1:30 PM - 32 kids

- **5/23/08 – Simley HS, Inver Grove Heights** (2920 80th St E, Inver Grove Heights.) Looking for a mechanical, aerospace or software engineer to speak about career choices to her juniors. There are two classes: 8:35-9:25am and 1:40-2:30pm. Anna Plantenburg (ME and a graduate of Simley) has volunteered for the morning time slot – we still need someone for the 1:40 slot – potentially Erin P. Ms Perry's is the Simley contact. Her number is 651 306 7033. The best time to call is between 1.00 pm and 1.30 pm any weekday.

Summer Activities:

- **Bike Book** (note: Roz needs more pencil packs)
 - **TBD:** Summer session at **Bryn Mawr Minneapolis Kids** – not scheduled yet.
 - **7/ /08: Bloomington ISD #271 summer school** – 4 weeks in July. Tim Ciavarri attended Roz's 2/18 session at MTS and is very interested.
- **6/16-19/08 - Girls Get It:** Summer camp for 9th graders at Hennepin Technical College. Naomi is organizing this event and running the camp. She will ask a couple of the SWE'ers from the North-Metro lunch group to participate on a panel discussion on careers. Includes an all day session on mechanical and design careers.
- **Girls, Inc.** Allison and Krista have met with Girls Inc. They are an organization for under-represented girls, many of whom are in trouble. For more information contact Allison at volunteer@swe-mn.org
 - **7/9/08: Science and Experiments Week Summer Program @ YWCA St Paul Midway** - want SWE to host a day during their Science and Experiments Week. The program runs Monday to Thursday from about 1pm to 5pm. They are very open to what we do – we are thinking about Egg Mobile and perhaps one other experiment. The group is small – about 30 junior HS girls – we need about 4-6 volunteers. They have a preference towards women of color. Sarah Lentz is our contact at Girls, Inc. Krista will contact Nivi regarding SWE-Metronic volunteers.
- **6/30-7/3/08 & 8/18-21/08: Extreme Green Camp @ The Works:** The Works would like to have SWE run the fuel cell car experiment during their Go Green Camp. The fuel cell car experiment would be one day of their camp. The 6/30-7/3 camp is from 9:00 – noon and the 8/18-21 camp is from 1:00-4:00 pm. If you are interested in volunteering, please contact volunteer@swe-mn.org
- **Summer STEPS Camp for 6th grade girls @ UST:** Kelly McLaughlin came to the meeting to introduce the STEPS Camp to SWE. UST would love to have some women engineer volunteers to help the 6th grade girls build airplanes. They are looking for 12 volunteers each day (listed below). Each camp is hosting 48 girls. The specific days are Monday afternoons (1:00-4:00) and Wednesdays, two 3 hours shifts (8:00-11:00 and 1:00-4:00). SWE is also welcome each Wednesday evening (6:00-7:30 PM) for “Fly Night” where the planes are tested at a field in Rosemont. A training session for volunteers will be held on Sat, June 14th. Kelly McLaughlin kelmclaughlin@edin.k12.mn.us is the volunteer coordinator. (612-730-8304).
 - June 23,25
 - July 7,9
 - July 14, 16
 - July 21, 23

In past years SWE has done an evening event with the UST STEPS camp for 10th grade girls. This year the Advanced Camp will be for 8th grade girls – Anita will find out the date. Kelly is interested in talking with us about an evening event. We will post this event within SWE and also encourage members to post it within their companies.
- **7/21/08 – 4H Get Ready, Get Set, Go!** A tech camp for girls in the 4th – 8th grades, 4H would like us to come and do lip gloss. Krista is the contact – she will forward the volunteer request form to them.
- **8/4-8/08 - Rum River Girl Scouts Day Camp @ St. Francis, MN.** Julie Tobako is our contact. They are doing a Day Camp for Girl Scouts. They were wondering if SWE-MN could provide a guest speaker or if there was a specific program that we do. They haven't yet determined what role they want SWE to play. If we want to do activities or demos – they'd be fine with that. Best guess is 100-150 girls. Each day they have an “all-camp”

activity then the units break off. We have done guests with the entire group, or broken down to smaller groups that alternate between 2 or more guests. Anita is the contact and will ask them to fill out the volunteer request form.

- The 1–3rd grade girls will work on the Brownie Try-It badge: http://www.girlscoutscrc.org/Resources/Councils_Own/TryIt/swe.htm, the 4-5th graders will be working on the Junior Badge: http://www.girlscoutscrc.org/Resources/Councils_Own/Badge/socwe.htm, and the older girls will be working on the IPA: http://www.girlscoutscrc.org/Resources/Councils_Own/IPA/swe.htm.

Future Activities:

- **Expanding your Horizons** – Seagate Program for Fall: For high school girls, 200 or so, on a Saturday next Fall. It is going to be held at Hennepin Tech's Eden Prairie location (Hwy 212 just south of EP shopping area). Ernie Parker is the Hennepin Tech Contact. Brad Thorpe is the teacher from Shakopee High School - he has contacted Naomi to see if SWE could help with this outreach event. Seagate will supply some women engineers, SWE would supply some more. It sort of sounds like Seagate's version of our "WOW!" program. A date has not yet been set, Brad wanted to know if SWE wanted to be involved, and if so, he will make sure it does not conflict with our GS Patch Day. Anita will forward the Volunteer Request form to Brad via Naomi.
- **MnDOE State Fair Booth:** Commissioner Seagren is interested in hands on activities that can be done with kids at their booth at the state fair. Anita is the contact and will pull together a proposal.
- **5/ /08 Bloomington District Wide Family Science Night:** In the early planning stages, Bloomington would like SWE's help hosting a district wide Family Science Night. Anita is the main contact and will follow up with the schools. Have not heard anything yet
- **11/15/08 - Girl Scout Patch Day:** Have picked the date for next year – Krista will inform the Girl Scout Council.

Misc:

- **Volunteer Request Form:** Anita will ask Katie Black if she can help to get this form web based.
- **Bakken Museum:** Leslie will inquire about getting on their board.

Next Meeting: conference call from 11:30-12:00 on **Thursday, June 12th**.