

Camp Reach Newsletter

WINTER 2010



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COME TO OUR WINTER REUNION! Saturday, February 6, 2010 1-4 PM

Join Camp Reach alumnae and staff for an afternoon of fun—bowling and socializing!



1:00: Meet at the Campus Center Information Desk.

1:00-2:00: Surprise activity! (Salisbury Labs 104)

2:00-4:00: Bowling in Gompei's Gutters, Alumni Gym. Snacks will be provided.

4:00: Pickup at Campus Center Information Desk.

IN CASE OF SNOW: On February 6, if there is inclement weather or questionable driving conditions, a message will be left on Sue's answering machine (call 508-831-6035) by 10 AM if we decide to cancel.

RSVP: So that we can plan for the right number of people, please call the Office of Women's Programs (508-831-5819) or e-mail reach@wpi.edu **by Friday, Jan 29th** if you plan to come. Please include your full name and class year in your message. Thanks!



Here's What's in our Newsletters for Each Reach Class!

	Theme	Just for you...
Grade 7	<i>The Engineering of Fun</i>	<i>Getting the Most Out of School</i>
Grade 8	<i>Body Fixes: The Engineering Behind Braces, Artificial Joints, and More</i>	<i>Choosing Courses for High School</i>
Grade 9	<i>The Color Green: Environmental Engineers Making a Difference</i>	<i>Time Management Tips</i>
Grade 10	<i>Food for Thought: Engineering That Goes Into the Foods We Eat</i>	<i>How Food Chemistry Can Keep You Healthy</i>
Grade 11	<i>The Finer Things in Life: Interplay between Engineering and the Arts</i>	<i>Career Planning</i>
Grade 12	<i>Engineers Advancing Medicine</i>	<i>College Acceptance Letters: What to Expect</i>

If you would like to read any of the age-specific content, send a request to reach@wpi.edu, and we will be happy to send you a web link. Feedback and suggestions for newsletters are always welcome!

Accomplishments of the 2009 Project Teams

CONGRATULATIONS to the three engineering design teams, all of whom did a great job on their projects this summer! And a big THANK YOU to these three wonderful organizations for giving us the privilege of addressing their important needs. Following is an overview of the problems or needs the teams addressed for their clients and the outcomes of their hard work .

AIDS Project Worcester

AIDS Project Worcester (APW) provides education about HIV/AIDS and provides services to individuals and families infected with HIV disease. (This is the 3rd time that APW has sponsored a Camp Reach project!) Last year APW served more than 500 people in Central Massachusetts who are HIV positive. Among their many programs and services is a special holiday event in December. APW clients can come to a “toy store” at the facility, and pick out toys, games, clothing, and other items to give their children to help their holidays be a little more cheerful. The toys are donated by people and organizations throughout the year, and one room in the facility is used year round as a toy storage area. As December approaches, the room is literally overflowing with bags of contributions. The goal of the Camp Reach team was to develop a plan for the room, within a budget of \$500, to make more efficient use of the space and to keep it organized during the year.



The team delivered a floor plan that included movable shelving, bins, tables, and a clothing rack, well within budget. The plan was approved, and team members gathered together in late September to move everything out of the room, assemble the shelves and implement the floor plan, and then move all of the items back in (see photo). As a result, APW staff, volunteers, and all of their clients enjoyed a much more organized holiday toy store this year!

Engineers: Laura A, Makenzie B, Roisin D, Sterling E, Julia G, Mattea N, Malkia N, Stephanie S, Sarah V, Liz W **Staff:** Karin L, Molly E, Abeer S, Lauren V. **Photo:** Part of the team in the newly organized toy room, September '09.

Girls Inc.

Girls Inc., another “return customer,” is a national nonprofit youth organization dedicated to inspiring all girls to be strong, smart, and bold. The Girls Inc. facility in Worcester offers after-school programs that serve a diverse group of youth in grades K-8. These programs take place in a safe environment and provide opportunities for girls to take healthy risks, build leadership skills and master physical, intellectual, social and emotional challenges. The computer lab at Girls Inc. was poorly located, dysfunctional, and unwelcoming, without adequate space, safety, and furniture. Staff members had identified a new location and asked the Camp Reach project team to develop a cost-effective plan to relocate the computer room/learning lab, including everything that would be necessary for the computers to function well and for the space to be appealing and welcoming.



The team developed a plan that included items such as a wall shelf for a large computer monitor, ventilation/temperature control, desks and space for 9 computers, ergonomically correct chairs, a white board,

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and safe management of power cords and cables. They also recommended a paint scheme and new flooring with colors that are serene and tranquil, yet promote concentration. Everyone gathered together in December to relocate the computers in their new space (see photo). Girls Inc. is still saving for the new desks, but already everyone could see the great improvement in the environment of the lab!

Engineers: Alexis A, Heather D, Bryanna D, Marissa K, Samantha M-C, Alexandra P, Victoria R, Michaela S, Elena S, Melissa W;
Staff: Kim M, Rebecca B, Nicole K, Alexis T; **Photo:** Team members in the new computer lab, December '09.

Regional Environmental Council

The Regional Environmental Council (REC), yet another return customer, is a grassroots, non-profit organization in Worcester that brings community members together while addressing urban environmental problems. REC has many community gardening initiatives, one of which is called YouthGROW (Youth Growing and Raising Organics in Worcester), an 8 week urban agriculture youth employment program for 14-16 year old residents in the Main South neighborhood. The youth workers grow produce for the Farmers' Market, food pantries, and free lunches for youth in the neighborhood. To provide shade and shelter for workers on the farm, the REC has erected tent-like tarps and shelters, but they tend to blow away and rip. The goal of the Camp Reach "Green Team" was to design a permanent, sturdy shelter that would protect workers from sun and rain. At the same time, they wanted it to be environmentally friendly and incorporate rainwater harvesting!



The team analyzed options for basic designs (2 post and 4 post), sizes, and roofing and gutter materials, and how to link rain barrels. They also consulted with a Worcester building inspector and learned about requirements associated with obtaining a building permit. They ended up recommending and pricing a 16x10x12 ft wood structure with plastic corrugated roofing and with rollable canvas sides. REC hopes to build the structure in spring or fall of 2010. In the meantime, team members enjoyed getting back together at WPI in November for some additional work, to confirm the dimensions of the structure and to do more comparative analysis of plastic vs. plywood/shingles for the roof. Stay tuned for progress on this project!

Engineers: Vrinda A, Leslie C, Isabelle D, Melissa G, Rachel L, Delia M, Cara M, Brittney R, Yuliya S, Erika W; **Staff:** Melissa C, Sarah W, Rachel W; **Photo:** Team members at the YouthGROW farm in July.

**Congratulations to all of the 2009 teams
for a job well done!**



From Alumnae and Staff

Class of '98

Christina Kach (TA '03) I hope all is well. Just in case you don't remember me, this is Christina Kach, a Camp REACHer from 1998. I worked on the AIDS Project Worcester project during the camp. I've written in to the Camp REACH newsletter a few times, but don't think there has been



one since I got my job back in the spring. I graduated from Northeastern this year (5 year program there because of the Co-ops) with a BS in Industrial Engineering and a minor in Business Administration. I was secretary of the Institute of Industrial Engineers and a College of Engineering Peer Mentor for freshman. For Co-op I worked at General Electric Aviation, Gillette, and Raytheon. I am now back working at Raytheon in Andover, MA as part of the Operations Talent Develop Program. I'll do three different job rotations, started my first in June.

Class of '99

Samantha Wilner (TA '03, '04) Hi everyone! I graduated from Columbia in May with a degree in chemical engineering. Over the summer, I started working as a technician in the chemical engineering department at MIT. My projects deal with stem cells, tissue engineering, and gene delivery. I will be working at MIT for the rest of the year, and I plan to start a biochemistry PhD program in the fall. I am looking forward to hearing back from schools!



Class of '02

Tanya Hakim (TA '06, '07 and RA '08) I hope everyone is doing well! I am gearing up for my second semester at Smith and am currently looking for 2010 summer internships and working on my study abroad applications. Last summer, I interned at a community hospital in Boston, MA doing projects in process improvement. My tasks

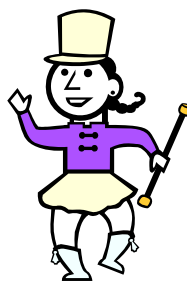
ranged from writing a memo providing suggestions for how to reduce turnaround times for operating rooms to creating dashboards in Excel to track metrics for various departments of the hospitals. It was a great opportunity, and



it was also amazing to live in Boston for the summer. This semester I've been busy with tougher classes and also being a teaching assistant for the introductory statistics courses at Smith. Anyway, I wish the best for all, and I hope everyone is having a wonderful start to the new year!

Class of '03

Meg Roy Hey fellow Camp Reach Alum! I just finished my first semester at the University of Miami



as a Music Education with a Jazz Emphasis major! It's been fun, but A LOT of work. College proves to be challenging and time-consuming. But, when you're doing what you love, in the end it's all worth it.

I enjoyed playing in the marching band all the way up to the most recent Champs Sports Bowl - and I so look forward to doing it again! I also played in the women's volleyball pep band, and will be playing for the men's basketball band this coming semester. Another highlight for me has been being given the opportunity to be a mentor to students in the greater Miami area. I've been able to teach private trombone lessons for the past 3 months - and needless to say it's been a blast! I wish you all the best in this new year! God bless :)

Class of '04

Becca Brule (TA '09) Hey everybody! Wow! It's been about six months since camp. That's a long time and a lot of stuff has happened. In September I started my senior year at Uxbridge High School. In October, my first little sister, Elisabeth Kathryn was born. After four brothers, I was very excited. I'm not athletic at all,



so I tend to avoid sports and physical activities. I do have a job at our public library and it's almost my

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second home. In the fall, I attended a breakfast at Harvard for receiving the Harvard Prize Book Award. This month I'm attending a luncheon at Holy Cross for receiving Superintendent Scholar. I've had a lot of different activities to attend and keep me busy this year. Because it's my senior year, I've been applying to colleges. I applied to, was accepted at, and received a sizeable scholarship to Gordon College in Wenham. I'm planning on attending college there and will major in Secondary Education and Mathematics so I can be a high school math teacher. I also have applied to WPI and am waiting to hear back from them. I hope I'm able to attend the reunion and hope to see everybody there!

Molly Eldredge (TA '08 and '09) Hello Camp

Reach Alums! I am extremely excited to be approaching the end of my high school career, looking forward to life! I was accepted into WPI, and I currently plan on attending next fall! Camp Reach definitely influenced my decisions and interests in life, inspiring me to major in biomedical engineering.

I am still working as an adaptive ski coach for people with disabilities in Lincoln, New Hampshire, at Loon Mountain. This is my other inspiration for my future. I hope everyone else has a fun winter, and an awesome end of the school year!

Class of '05

Ashley Racicot I'm really upset that I haven't been able to come to a reunion or write for the newsletter in a while.. I'm just so busy! And it seems that every winter, including this one, I have a show choir competition the day of the reunion. But I do love hearing from everyone in the newsletters and I really miss visiting! This past year has been crazy.. I took on a full accelerated course load, became president of my select choir, and became dance captain of one of my show choirs. My summer was fantastic, and I got to spend a lot of time at the beach and travel out to Ohio for Show Choir Camps of America in July. The school year gets really hectic, of course (midterms start tomorrow!), but I've learned to balance. :). I will hopefully (fingers crossed) be get-



ting my license in February, and I'm really looking forward to the rest of my junior year! With that comes the college search, which is stressful in itself, and I've decided to major in Spanish Education with a minor in dance performance :). But anyways, that's not for quite a while, and for now I'm just living day to day, balancing my schedule. I hope all is well with everyone and I hope that I'll get to see you at the summer reunion!

Abeer Sayeed (TA '09) Hey everyone from REACH '05. It seems like such a long time ago, but the memories are still fresh. More so because I had the opportunity to be a TA for the first time. It was so exciting and very fun. A little shout out to all the REACH '09ers. Being a TA reminded me of my REACH experience with some TA fun added on to it. I got to see Nicole, Lauren, and Rachel, who were also TAs. As for school, it's been really busy. I'm now a junior at the Mass. Academy of Math and Science. It's much harder than my previous school and a lot more challenging. This year I decided to rejoin Tae Kwon Do (after 5 years) and continue with my black belt. Over winter break, I was able to go down to Florida and the Bahamas, which were beautiful. After seeing that, I can't wait for spring and summer; I could do with some warm weather and less schoolwork! Hope to see everyone soon!



Class of '06

Beth Belanger (aka bgoldfish) Hey you guys!! It feels like forever ago when I say you all and I miss you a lot!! Reach was amazing and I wish we could do it all again! This year I am competing in Skills which is a competition my school has with other Tech schools over shops and other things. We are doing cancer awareness for the community service competition so if you have an idea email me!! Not much else is going on I am staffing at a leadership camp this coming summer SLTP and am VP of Student Council this year. I miss you all and hope to see you all soon!! K.I.T (keep in touch!)



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Class of '07

Gabrielle Bouyea Hey everyone! I hope everyone's having a good school year so far! I've been doing a lot of music performances with my school lately and it's been lots of fun. We had a holiday music show and one of my band's got to perform at a music venue (The Iron Horse) in Northampton, MA. Next week we start a three week program called paideia. Our whole school gets three weeks off of regular academics and we choose one class to focus on over the three weeks. I am taking a course called "Make a Difference" and we are going to volunteer at soup kitchens and homeless shelters around Western Mass. I'm so excited and I'm glad that we're going to have a break from our overload of school-work soon! My family went to Vermont for two days over the holiday break and we toured the Ben and Jerry's ice cream factory and the Vermont Teddy Bear Factory too! I spent Christmas and New Year's Eve with my family. My birthday is on January ninth and I can't wait! Let's see... What else? My family is going on a cruise over February vacation and we are leaving out of Puerto Rico. I'm hoping I'll be able to talk to the people in Puerto Rico because I am currently in my second year of Spanish classes at my school! I miss everyone so much and I hope to see all of you at the winter reunion!



Vermont Teddy Bear Factory too! I spent Christmas and New Year's Eve with my family. My birthday is on January ninth and I can't wait! Let's see... What else? My family is going on a cruise over February vacation and we are leaving out of Puerto Rico. I'm hoping I'll be able to talk to the people in Puerto Rico because I am currently in my second year of Spanish classes at my school! I miss everyone so much and I hope to see all of you at the winter reunion!

Jessica Maki Hey everyone! I can't believe so much has happened since July. First off I started volunteering with a therapeutic riding program, which is one of the most rewarding things I have ever done. I got my horse Flicka who is just like me (smart and extremely stubborn. Ha ha) I was a counselor at a riding camp, and then when summer ended =[I started high school. So far I love it I'm taking honors algebra II, world history, and Intro to physical science. average English. Then gym, health, Spanish, and intro to tech for electives. Getting to choose your own classes is so much better than having them picked for you. I hope everyone has a great 2010! =]



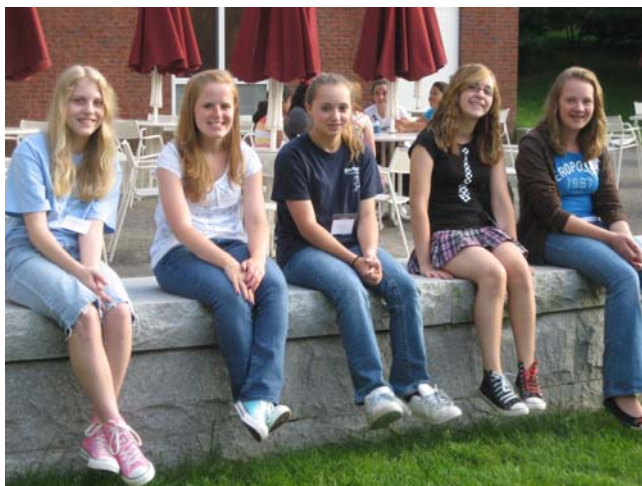
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REUNION: SUMMER 2009

Once again this summer, alumnae and the 2009 campers came together for an evening of fun and friendship. After a barbeque, we enjoyed some outdoor activities and discovered the hidden talents of Camp Reach campers at Karaoke and DDR!



Older Alumnae: Back Row: Besty '04, Erin '04, Carolyn '00, Jessica '99 and Becca '04. Front Row: Melissa '04 and Chrys



Campers just chilling and catching up!

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Sandra Yu I hope everyone's holidays were great. High school for me isn't that bad. I'm doing pit band this year. Hope things are going well for everyone else!

Class of '08

Colleen Sands Hello everyone! I hope you all are happy and had a good holiday season; It's been a busy but really exciting couple of months since the last reunion. I recently returned from the Junior Olympic National Cross Country Championships in Reno, Nevada, where the race was run during a sudden snowstorm and in eight inches of snow. Two weeks before that, I was in Lake Placid, New York. I had done a tryout over the summer and made it to a second tryout for the United States Olympic Junior Development team for the winter sport of luge, where I went down the ice track at around 60mph. I won't find out if I made the team until April. Right now cross country season has ended, although it was very successful and fun for me, including a win in the prestigious Ocean State X-C Invitational, a silver medal at the Middle School State Championship, and qualifying for Nationals. However, now basketball season is beginning; I am a starter and the team captain for my team, the Warriors. School is also going good; I had high honors from the first term, and currently have high honors halfway through the second term. I am on the Student Council at my school, as well as the District Wide Council, as well as first chair saxophone in the band. Oh, and as I was talking to a lot of people at the last reunion about my safari to Kenya, Africa, here is the website with my pictures: www.africansafari09.shutterfly.com. I wish everyone a happy, healthy, exciting, interesting, and FUN New Year, and wish everyone luck in whatever they may be doing. Remember: "A day without smiling is a day wasted." =D



Welcome! New Director of Women's Programs



Audra serves as the Director of Women's Programs in the Office of Diversity and Women's Programs at WPI. As a mother of two girls, she has a passion for education and seeing that girls get every opportunity to make their futures bright and successful.

Audra holds a Bachelor's degree in International Relations and a Master's degree in Education. She has lived abroad several times and loves traveling and learning about different cultures and languages. When she is not working she enjoys music, reading, and just about anything outdoors. Audra will be joining us as one of the Camp Reach Co-Directors this summer.

Thank you to the Camp Reach 2009 TAs!!

Without your dedication and commitment to Camp Reach, we would not be able to offer such a worthwhile program.



Camp Reach TA's 2009. From left: Alexis T., Rachel W., Nicole K., Rebecca B., Lauren V., Abeer S., Sarah W. and Melissa C. (Not pictured: Molly Eldredge)

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Class of '09

Brittney Richards Thank you for accepting me in the year of 2009. I enjoyed engineering and learned it's not just about mechanics. My favorite activity we did over the summer was the forensics lab. But I also enjoyed meeting new people, and seeing familiar faces. Over the summer I went back to WPI for a meeting. I like my new school, BMS (Burncoat Middle School), and have made lots of new friends. I've gone to the theater to see "Christmas Carol" the play. I've been to the "Bugaboo Creek Steak House." I even went to the movies to see "Alvin and the Chipmunks (The squeakquel)." That's the good part but on December 28th, I got my tonsils and adenoids taken out. I was scared to have my first surgery ever. I look forward to the reunion!



Leslie Chase In school I am working on a bridge in Tech Ed with Brittany, my partner. We are finished with are blue prints and we are almost finished with the bridge. I am Duffy in the school play Annie. Lots of my friends are in it and it's a lot of fun! My math teacher was one of the adults at Camp Reach back when it first started so I tell her what kind of workshops we did. Her name is Mrs. Lavengood.

Heather Domenicis Middle school is so much more fun than elementary school! So far all my grades have been really good and I hope to keep them that way. I am auditioning for the school musical which is Annie and I am still playing the piano and doing Tae Kwon Do. Hope all my Camp Reach friends have been having as good as a year as I've been having! Good luck

Allie Piergustavo My experience since Camp Reach has been great. I have joined many committees at my school such as SPAC. SPAC stands for Student Principal Advisory Committee. We don't have a lot of members yet, but we are associated with the student council. I also do newspaper club. We have just released our first issue and it was a success. I also do a recycling project within school. I am on a couple of sports teams. First, I play softball for the Milford Heat. I play in-town basket-



ball for the Dolphins. I also swim for the Milford Stingrays. Now that Christmas is over, I am excited to go back to school. I hope everyone has a safe and happy New Year.

Michaela Salviuolo I would like everyone to know that I just got braces put on this month. I am happy that they are only needed on my top teeth... and only for one year!

Sarah Walker TA '09 Hi girls! I hope you all are doing well. Since we last saw each other I have been keeping busy with school and filling out college applications. As all of you will find out they take a long time to do! Lately, I have been volunteering at City View Elementary School in Worcester. I tutor 6th graders and help the teacher with whatever tasks she needs done. It really feels great helping out others! I hope all of you are having a great school year!



Looking for a new summer adventure?.....WPI has lots of other great summer programs besides Camp Reach.

For more information on summer offerings at WPI visit our summer programs website.

www.wpi.edu/+summer

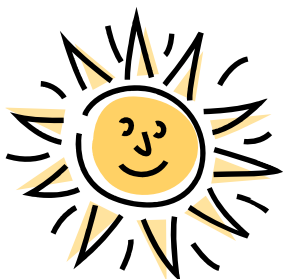
HELP US GET THE WORD OUT ABOUT CAMP REACH

Encourage someone else to have the same opportunity to experience Camp Reach that you did! Many of our applicants hear about Camp Reach from alumnae of the program. Please encourage families and friends in your neighborhood who have girls in sixth grade, or people at your church or community groups, Girl Scout troops, athletic teams, or teachers you know, or co-workers of your parents...anyone you can think of to visit the WPI website at www.wpi.edu/+reach or www.wpi.edu/+summer! If you would like to get paper copies of our summer programs brochure, please call the Summer Programs Office at 508-831-5517, and we'll send you more! **THANKS!**

SAVE THE DATE!

We already know the date of our summer reunion: **Friday, July 16.**

We hope you
can come!



We want your new postal address and E-MAIL!



If you move: Please take a moment to contact us, either by phone, letter, or e-mail. We very much want to keep in contact with everyone!



AND if you get access to e-mail or change your e-mail address please let us know so we can update our e-mail list! This allows you to get announcements of Reach events as soon as they are known, as well as other useful postings (typically no more than one per month).

There is an easy form you can use on the Reach website to submit changes in postal and e-mail addresses. The Reach website is <http://www.wpi.edu/+reach>, and the change of address form is in the Alumnae section.

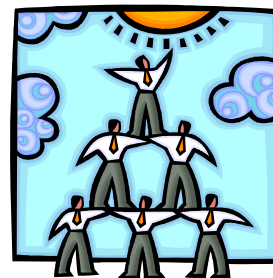
Remember to RSVP for the Winter Reunion!

Call us at (508) 831-5819

OR e-mail reach@wpi.edu

Please include your full name and class year in your message.

THANK YOU TO OUR DONORS!



Reunions and newsletters would not be possible without the generosity and commitment of individual donors and the following corporations and foundations:

United Way of Central Massachusetts' Women's Initiative; Teradyne, Inc.; Raytheon NCS; Intel Corporation; 3M Foundation; Bose Foundation, Inc.; Cardinal Brook Trust, Whaley Family Foundation, and friends of Camp Reach

CONTACT INFORMATION

Audra Gaul
WPI, Office of Women's Programs
100 Institute Rd.
Worcester, MA 01609
(508)831-5819, agaul@wpi.edu

Chrys Demetry
WPI, Center for Educational Develop.
& Assessment
100 Institute Rd.
Worcester, MA 01609
(508) 831-5195, cdemetry@wpi.edu

Sue Sontgerath
WPI, Office of K-12 Outreach
100 Institute Road
Worcester, MA 01609
(508)831-6035, ssont@wpi.edu



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