COME TO OUR WINTER REUNION!
Saturday, March 15
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! (Hagglund Room, Campus Center)
2:00-4:00: Bowling in Gompeï’s Gutters, Alumni Gym. Snacks will be provided.
4:00: Pickup at Campus Center Information Desk.

IN CASE OF SNOW: On March 15, if there is inclement weather or questionable driving conditions, a message will be left on Chrys’s answering machine (call 508-831-5195) 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, March 7 if you plan to come. Thanks!

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

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

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 2007 Project Teams

The three design project teams did a great job on challenging projects this past summer! Following is a brief overview of the problems or needs they addressed for their clients and the outcomes of their hard work.

Broad Meadow Brook Wildlife Sanctuary

One of Mass Audubon’s sanctuaries, Broad Meadow Brook (BMB) has a strong education and conservation component and encompasses over 400 acres of woods, fields, streams, and marsh in the city of Worcester. The BMB staff were interested in exploring use of “PicturePosts” (a stand for digital photography) to aid their ecological monitoring efforts. This team of campers evaluated and recommended potential sites for PicturePosts and developed a budget and plan for installation. The BMB staff followed up on the team’s recommendations, and three posts were installed in the sanctuary in October!


Left photo: The whole team in July at WPI. Middle: Eliana, Abbie, Sarina, Rachel, Meckila, Melissa, Harini, and BMB’s Martha Gach after installation of a post at the Sprague Trail crossing of the brook. (Yes, 2006 team, this is the area you worked on! They’re still working toward a bridge!) Right: Rachel’s Dad and Pat from WPI using the auger to dig holes. Gosh did that save time!

Rainbow Child Development Center

The RCDC is a licensed non-profit agency that provides childcare services to low income families in Worcester, particularly those who live in Plumley Village, a subsidized housing project. Alumnae from 1997-99 might remember the Edwards Street Day Care Center? This is the same building, just with a different name! RCDC serves close to 70 preschool children, but currently they are not able to play outdoors because of lack of play equipment. The RCDC sponsored TWO Camp Reach project teams this year. These teams showed lots of patience, flexibility, and good communication on what ended up being complex, interconnected projects! A partner in the RCDC projects was Cutler Associates, an architecture and construction firm that has been involved in RCDC renovations and also has ties to WPI.

The RCDC Play Structure team investigated how a sloped side yard could be flattened with terraces, to enable installation of a large play structure that has been in storage. They evaluated the advantages and disadvantages of several alternatives. They broke down the project into manageable chunks according to the design specifications. The Flathead Engineers investigated the details of how to level the land and different types of retaining walls; the Traffic Flow-ers looked at creating many ways for children to get on and off the play structure; the Safety Code Engineers researched all the various state regulations the play area had to meet, like fall zones; and the Green Money Engineers estimated the cost of various alternatives and made sure the materials were environmentally safe.


In January we heard from Executive Director Barbara Guthrie that the RCDC has received a $22,000 grant from the Rosie O’Donnell Foundation, which will enable them to start following through on these projects this spring!
Left photo: Play Structure team in the back of the RCDC; Right: Storage Shed team in their team room in Atwater Kent.

The RCDC Storage Shed team investigated options for a storage shed for outdoor toys, play equipment, and tools. Through conversations with their client they determined that the shed needed to be spacious, secure, safe, easily accessible, low cost, and weatherproof with a concrete foundation. They analyzed the pros and cons of three options: a pre-made salt box shed, a salt box shed kit, and a customizable pre-made shed or shed kit. They also investigated how the placement of the shed would be affected by the orientation of retaining walls being considered by the Play Structure team.

Location Engineers: Gabbie B and Genesis B; Exterior Design Engineers: Kim M and Emily G; Interior Design Engineers: Rebecca S and Elizabeth M; Materials Engineers: Carlyn H and Julia W; Safety Engineers: Sandra Y and Jennessa P; Staff: John B, Brittany G, Kelsey S, Megan B

********************************************************************************

Congratulations to all of the 2007 teams for a job well done!

********************************************************************************

2006 Project Update: Friendly House

Gordon Hargrove, Executive Director of Friendly House, was successful in receiving some grant money to renovate some elements of the 87 Elm Street property that were recommended by one of the 2006 Camp Reach design project teams. The backyard play area is done! And the dumpster was relocated to a permanent concrete pad!! The contrast of the BEFORE and AFTER photos is wonderful! He also thinks he will have funds for fencing and plantings in the spring. We plan to have a reunion and celebration for the Friendly House team at that time—to see the work that has been done and hopefully to help with the planting that will really add to the beautification of the property that the team had envisioned.
From Alumnae and Staff

Class of ’97

Tracy Lavengood (Teaching Staff, Princeton): Tracy spent part of the summer of 2007 participating in the polymer science research group at UMass-Amherst. She wrote to us about the interesting projects she worked on. In one, Boeing is concerned because their 30 year old jets are full of 30 year old polymers. Materials that passed fire code in the 1970s are aging and may not meet standards now. So we’re looking at the old material to assess current chemical structure and properties and see if it still performs like new material.

Another lab is trying to make polymers that won’t burn. Given that they're petroleum based, this will be a cool trick. They're taking two approaches. The one that makes it easier is to make a material that will burn initially, but produce a char on the surface so that oxygen can’t reach the rest of the polymer, thus choking off the fire. In the other, they’re looking at the structure of polymer that's already burned and gone out. If they can make a new polymer with that same structure, they think it may not burn.

The other project involves making plastic that can repair itself after a fracture. This is the project that sounds coolest!

Jenelle Pope (TA’02): I graduated in May from WPI and started work at Sikorsky Aircraft in Stratford, CT in July. Sikorsky is most famous for the production of the Black Hawk helicopter. I work in Ground Test Engineering, and the best part about it is running tests on systems, such as the Main Gearbox (wicked fun). My job is essentially one science project after another, which as you probably know is both lots of fun and lots of work. I’ve made a bunch of friends and have started a network for new employees to meet each other at Sikorsky. The working world is definitely different than school, but its nice to go home and not have to do any homework. But, I did start grad class at RPI in Hartford for my Master’s in Mechanical Engineering, so now there is homework. Aimee Hart (’97) and I have kept in touch and got together over our winter breaks in Boston for lunch :)

Class of ’98

Mary Kate Toomey: Hey everyone! I can’t believe I will be graduating in May from WPI. It’s been a fantastic time here so far! Our field hockey season (I was named a captain this year) was tough and injury filled but we fought as hard as we could. Sorority life as a sister of Alpha Gamma Delta has been amazing as always! This year I have been able to serve as VP of Campus Relations as well as a manager for two other officers. It’s been a challenging and ultimately fun position!

This May I will be getting my degree in Civil and Environmental Engineering and starting work full time. I haven’t yet accepted a job offer as I write this, but the interview process has been very much an eye opening experience. It reminds me a lot of visiting colleges—you learn about what you like and don’t like, and in the end more about yourself.

Many of you know that WPI is very projects based and I am finishing my MQP—the one you do in your major. Two friends and I are designing a new graduate residence hall. Right now I am working on the foundation design and enjoying it a lot! The other project I recently completed was my IQP - the junior year project connecting technology and society. I traveled with 23 other WPI students to San Juan, Puerto Rico for eight weeks of Caribbean adventures! Our apartment building was across the street from the beach, and the island’s biggest Rap Star, Calle 13, lived in our building. Our project investigated the effects of using alternative energy in the water infrastructure system. Hope everyone is doing well!

Class of ’99

Katelyn Moisan: I am a junior in college majoring in social work at Anna Maria College. I hope to become a social worker in adoption. I am starting an internship at DSS Adoption Unit this month. After I finish college I hope to go on and work on my masters in social work. Well that’s about it for me!!

Jessica Stevens (TA’04, RA’05): It's been a while since I've been in touch, because everything has been so busy. I'm now a Junior at Georgetown University, and am studying Linguistics and Spanish. I am hoping to go to grad school for Speech Pathology (getting back into science a little bit!), which seems like the perfect combination of everything I love: linguistics, science/medicine,
working with kids, and helping others! This summer I went to Costa Rica and did a Spanish immersion program, and will also be spending the spring semester studying abroad in Madrid, Spain. I've also been busy at school working in the Brain and Language Lab in the department of Neuroscience, where we do all kinds of really cool research about language acquisition and disorders, and what happens in the brain when processing language. Other things I've been involved with are starting up the Georgetown Linguistics Society (I'm the first president!) and doing research on the language in the first documents printed on a printing press in Portuguese (I also have been learning Portuguese, along with my Spanish!).

Sam Wilner (TA'03 '04, RA'06): Hi everyone! I just started the second semester of my junior year at Columbia University. I'm majoring in chemical engineering, and I'm planning to complete the pre-med requirements before I graduate in 2009. I'm also involved in student council, triathlon club, and community service at a soup kitchen. I recently took my first trip to Israel with two of my friends from elementary school. We all had a great time, and I can't wait to go back! I hope everyone is doing well!

Class of '00

Erin Dagle (RA'06 '07): I'm currently at Worcester State College studying Communications with a concentration in Broadcast Media. My original goal for after graduating was to work in a radio station (which would still be awesome!!). This past year I worked as a Resident Assistant at my college and fell in love with the position. I've played with the idea of staying in Residence Life for awhile after I graduate. I'm a sophomore currently, but hope to be graduating a year early by taking summer and winter classes. I can't wait to get out into the working world and become a real grown-up! :D

Cali O'Connor (TA'05 RA'06): Hi all! I am about to begin my second semester as a sophomore at Johns Hopkins University in Baltimore. I am studying chemical engineering, which has proved to be quite the challenge but I plan on sticking with it. On campus I am involved with the American Institute of Chemical Engineers, Engineers without Borders, and being a Student Advisor.

Class of '01

Jenn Giard (TA'06 RA'07): I just started my second semester of college at the University of Rhode Island! I am majoring in Ocean Engineering and Spanish through a program at the school. I had so much fun at school my first semester and I am looking forward to this semester just as much. I just got a job as a lifeguard at school, which I am very excited about. I hope everyone is doing well and I hope to see some of you soon!

Class of '02

Tanya Hakim (TA'06 '07): Hello everyone! Until recently, I have been incredibly busy with school and college applications. I was recently accepted at UMASS-Amherst, WPI, and Boston College! In late March, I will find out from my remaining schools about admissions. I wish the best to all, and I hope everyone is enjoying the school year.

Angela Harvey (TA'07): This year I've spent working at Southborough Veterinary Hospital which is fantastic because I want to be a veterinarian when I get older. I also got into Brigham Young University and will be attending in the fall. I am so excited because it is the college I wanted to go to ever since I was really little.

Lindsey Woodhull (TA'02 '03): I am graduating in May from Rensselaer Polytechnic Institute with a degree in Biomedical Engineering. I'm excited to graduate and move on, but I'm also going to be very sad to leave. I'm currently looking for a job. I want to work for two or three years and then go back to school. I haven't decided exactly what I want to go to grad school for, and I'm also still con-

Nine Alumnae Returned as TAs for Reach 2007

Left to right: Elise Murphy '03, Kelsey Sterczala '03, Angela Harvey '02, Tanya Hakim '02, Brittany Garrett '02, KT Rich '01, Adrienne Cacci '03, Missing from photo © Megan Beaver '03, Gabi DeFosse '03.
(Continued from page 5)

sidering medical school.
Senior year has been very busy for me, especially trying to balance my school work, job search, and having some fun too. Right now, my senior design project is taking up most of my time. I am on a team of five senior biomedical engineers, and we are working with an orthopedic surgeon in Texas to design an absorbable intramedullary rod for pediatric patients. An intramedullary rod is used to treat fractures in long bones, such as a femur. Metal rods are used for adults, but can’t be used in children because it interferes with their growth. Our project is to design a rod that can be implanted into a child’s bone, but then slowly be absorbed as the bone heals. It’s a challenging project because there are so many variables and design specifications to consider.

Looking back, college has been a great experience for me. I have had the opportunity to meet and work with so many wonderful professors as well as other students I was a Camp Reach TA in ’02 and ‘03, which means my first set of campers are applying to college! The best advice I can give you is to go to college with an open mind—we don’t always end up doing exactly what we planned on doing and that’s okay. Take advantage of the resources on campus, especially your professors. Believe it or not, they were college students once too and can give great advice on career paths.

Class of ’03
Kara Potter (TA’03 ’04): Hey everyone! I am now in my junior year at Cornell University, majoring in civil and environmental engineering, specifically focusing in structures. Right now, besides being focused on classwork, most of my time is spent working as co-captain of our Concrete Canoe team. We have spent all year planning and designing and are now only a week away from casting our boat. This year our regional conference is in April at the US Military Academy Westpoint. I hope everyone is doing well, have a great semester, and I look forward to seeing you at the next reunion!

Class of ’04
Camille Dupuis: Hey!! I’m now a sophomore in high school, and I’m loving it. I’m on my school’s field hockey team, and I’m still dancing. Actually, I am doing competitions now for my

SUMMER 2007 REUNION
In July, alumnae and the 2007 campers came together for an evening of fun and friendship, beginning with a barbecue then all sorts of options: Dance Dance Revolution, henna art, and caricatures.

Top photo: Jamie from ’05 showing her henna tattoo—the Chinese character for peace. Lower photo: Biankah ’07 and Kasandra ’07 wait patiently!

studio, and I love it. But, as much as I’m loving school, I can’t wait for summer. In July I am actually traveling to Australia as a Student Ambassador with People to People, and I can’t wait!! If you haven’t heard of People to People, they’re an organization where you get to travel to different countries, learn about those countries, and actually stay with a host family from said country for two days! I’m very excited, and can’t wait. I hope everyone’s having a good school year!

Class of ’06
Jessica Morais: Hey Everyone! I can’t wait to see everyone for our winter reunion!! I have been very busy lately with school and all. In October my mom and I went down to Treasure Island, Florida
for a few days, and we had so much fun! It was a good time to get away from the cold and soak up the sun for a week! I had a great Thanksgiving and a great Christmas. I spent a lot of time with family and friends. I can't wait to catch up with all of you at the reunion! See you soon!

**Sandy Tarasiak:** Hey everybody! I hope you all had a nice holiday! I did! I can't believe this will be the second reunion that I went to since Camp Reach 2006! The last two years have been flying by! I have been keeping busy at school and doing a lot of fun things after school. One day while I was at ski club, I saw Katie Sands, my old roommate! It was so good to see her and I can't wait to see everybody! Well I hope to see you all soon! Keep in Touch!

**Class of ‘07**

**Elana Agudelo:** I started to go to Holy Name in the fall, and I’m doing well... I even met a friend who knew Alexis from Reach 07. Hope all is well!!!

**Sarah Eldredge:** Hi! I am sad to say nothing much to report here. I got braces but that is really my only big news. Other than that the whole family has been very busy what with school and work and skiing every weekend there really hasn’t been time for anything interesting to happen. (anxiously awaiting news from everyone else)

**Carlyn Higgins:** Hi everyone! I hope you are all doing well! Camp Reach has been very helpful to me in school this year. This term I had a class called Tech Ed and many of the engineering things they taught, I had already known from camp. Also in school, I am a math tutor! School has been going great so far, and we just took our mid-term tests. I hope to see you all at the reunion.

**Jessica Maki:** Hey Camp Reach buddies!!! How is everybody doing, can't wait to see you all at the reunion. I am doing great, except for spraying my finger that is. (Basketballs can be dangerous you know) If anybody needed to know or forgot, my e-mails are farmyard0116@verizon.net, and 9784347061@vtext.com. If any of you remember the singing contest we had, I still get bad memories when I hear “umbrella” if you know what I mean. So hopefully I will see everyone at the reunion in March. Can't wait!

**Rachel O’Connor:** Hi everyone! I started playing guitar this fall and I really like it. I was also a Pop Warner cheerleader this year with my friend Alexys, and I have been taking gymnastics. I'm looking forward to seeing you at the reunion!

**Rebecca Stolarczyk:** Since Camp Reach 2007, a few big things have happened. First off, our family got a beautiful, adorable new black lab puppy. Her name is Daisy, and she's about 3 months old currently. I'm currently in the small seventh grade class at the school I've been going to since kindergarten: only 16 kids in the entire 7th grade. I'm play basketball for my school and play in an indoor softball league. I had a great Thanksgiving and Christmas and am looking forward to the warmer weather. I always smile when I see the WPI bear magnet on my locker door or the photo of all of us from back in July on my mirror.

**Lexi Sturgis, Phoebe Mellor, Emily Garcia and Abby Buckley,** all Thomas Prince School seventh graders, were thrown a pizza party by our 6th grade math and engineering teacher, Mrs. Tracy Lavengood this past fall. During the pizza lunch, we presented our projects and told her about all the great adventures and learning experiences that we had while at camp. There were funny stories shared, discussions about new people met, and pictures shown. We all had a good laugh. Our principal, Mrs. Mary Cringan, was so supportive of all of us and really proud that we attended. Mrs Lavengood was so impressed that she asked if we would go to her classes when she passes out the Camp Reach brochures to tell all the sixth grade girls about all the fun we had!!

**Sandra Yu:** Nothing new is going on at home really. I miss camp and all the new friends I made even though I can still talk to them. It's better to see them in person and hang out with one more time though. I hope I can come back to camp and participate in the fun activities you guys held for us. Hope to see you soon!

**Renee Walker (RA’07):** I’m now a sophomore in Electrical and Computer Engineering at WPI. I went to Jamaica for Christmas and got to see my entire family. I’ll be attending a conference for the National Society of Black Engineers in March in Orlando. Another highlight is that my dance team just performed a piece that I choreographed at last week’s basketball game, and I was just appointed the new secretary for the dance team.
HELP US GET THE WORD OUT ABOUT CAMP REACH

In this mailing we’ve inserted some BROCHURES for the 2008 program. 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 help us by distributing brochures to families and friends in your neighborhood who have girls in sixth grade, to church or community groups, Girl Scout troops, athletic teams, to teachers you know, to co-workers of your parents...anyone you can think of! If you can distribute more than the number we’ve enclosed, please call the Women’s Programs Office at (508) 831-5819, and we’ll send you more! THANKS!

SAVE THE DATE!

We already know the date of our summer reunion: Friday, July 25.

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.

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.; Intel Corporation; Albert W. Rice Charitable Foundation (Bank of America, Trustee); J. Irving England & Jane L. England Charitable Trust; Silver Crescent Foundation; 3M Foundation; Bose Foundation, Inc.; and the Cardinal Brook Trust.

Remember to RSVP for the Winter Reunion!

Call us at (508) 831-5819
OR e-mail reach@wpi.edu

CONTACT INFORMATION

Shelley Nicholson
WPI, Office of Women’s Programs
100 Institute Rd.
Worcester, MA 01609
(508)831-5819, shell@wpi.edu

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