



**H**ello EMBHSSC Alum! For some of you it has been two years since you participated in our camp at Northeastern University and this summer will mark the third year we will be hosting the program on our campus. This past Saturday we hosted the camp orientation for our new group of 48 students. Each year we are amazed at the feats our campers have already accomplished and are inspired by their interest in science, technology, engineering and mathematics. It has been a privilege to host a camp and to work with you all over the years. We have learned a lot from working with you as well and as we continue to plan callbacks and send out newsletters, we would like to hear from you - what information would be helpful for us to provide to you, what topics do you want covered at callbacks, and what support Northeastern might be able to provide for you as you progress through your educational careers.

At our last callback in April, we heard from some our 2007 and 2008 campers about what you are up to now (see page 3). You are all headed for greatness - attending some wonderful schools, working interesting jobs this summer, and competing in many different competitions. If you have an update and might want to be featured in our newsletter, please send an email to us!

We hope you have a wonderful summer - no matter what it is you are doing! Make sure you take the time to enjoy the nice weather and have fun. Walk the freedom trail. Read a good book. Keep your brain working... We will be in touch again in the fall and hope to see you at our next callback.

Kelly Malanych  
Program Director



# Mathematic Word Search

## Geometric Shapes



Former Harris campers playing "Fantastic Contraption"

L A M L A I A R D L I O I G O N U I  
 B N C A L A O U R O D G S E D N O M  
 C O P Y R A M I D M D A O I A C P C  
 G G C E L G N A I R T E S U T B O S  
 R A R L R H O M B U S D C D N L L N  
 C T E G U E L L R U E U E A O U Y O  
 L C L N R C H E E R D G L C G L G P  
 N O G A T N E P L L E O E Y A O O A  
 B E G I H E E B S G L C S I X G N C  
 M S I R P R A L U G N A T C E R O O  
 E P H T D T C M N C E A R A H T G N  
 N I S E R R I G H T T R I A N G L E  
 E L G N A I R T E T U C A R P G N A  
 O L C E N P E R G A R I N U T A L A  
 R E I L G I T R C I E R G E Q G A E  
 U T R A P E Z O I D E C L G R S G I  
 I O B C R E S E E E G L E A L N A E  
 E L B S A T M E E C G E H O Y E E H

acute triangle	arc	circle
cone	cube	decagon
dodecagon	ellipse	hexagon
isosceles triangle	obtuse triangle	octagon
parallelogram	pentagon	polygon
pyramid	rectangle	rectangular prism
rhombus	right triangle	scalene triangle
sphere	square	trapezoid
triangle		



Students at the April 2009 Callback

## April 2009 BHSSC Callback

On Tuesday, April 21, 2009 there was a BHSSC callback hosted at Northeastern University. A total of 22 alumni from both the summer of 2007 and summer of 2008 attended this callback.

The second activity was led by Rachelle and is called "Fantastic Contraption." The "Fantastic Contraption" website allowed students to design virtual models to move a block from a starting point to its final destination. If you would like to try and build your own contraption visit: <http://fantasticcontraption.com/>



Students and a volunteer during April 2009 BHSSC callback

The day started with an introduction to the interdisciplinary nature of math and science by Executive Director Richard Harris and continued with two hands-on lab activities. In one activity NU graduate, student Kelley Schultheis, ran an experiment in which the students tested theories as to why termites followed lines made by different colored pens and markers.

Everyone had a fun day and was able to catch up with friends that they made over the summer. The day wrapped up with a review of the day and some trivia, with Grace Ho and Hanifah Bostic winning bookstore certificates.

Hope to see you all at the next callback, Fall 2009!

## STUDENT UPDATES!!!

At the last callback we were able to catch up with some of you guys and find out what is new and exciting in your lives. Here's what you guys have been up to:

**Imani (2008)** will be attending St. Mary of the Hills and just recently won an award for her essay on why the civil war was important.

**Amanda (2008)** placed 2nd in regional history fair legacies.

**Kiana (2008)** will be attending Warren Prescott

**Grace Ho (2008)** is going to Arlington

**Ashley (2008)** is participating in her first fencing competition.

**Angelica (2008)** caught a foul ball hit by one of the players for Puerto Rico at the World Baseball Classic.

**Jack (2008)** received a grade of 102 on his science test.

**Anthony (2008)** will be attending Boston Latin.

**Bryce (2008)** is going to Xaverian.

**Shannon (2007)** is working on a food project as her part time job this summer.

## Counselor Updates!!!

We have received e-mails from counselors updating us on how they have been and how their classes are going. Below is a recent update from a former BHSSC counselor:

“Hope you are doing well! I graduated with my Masters in Biotechnology on May 1. Currently, I am working at the MIT Technology Licensing Office, which, simply put, tries to make the inventions out of MIT labs accessible to the public with the help of the industry (research and development within companies). Some of the cool ideas I have come across during my time with the office include battery technology that can potentially allow cell phones to be charged within minutes, and a social web service that allows you to get feedback from all your friends on your new i-pod purchase or the limited version flavored coke. So all in all, I have been happily and crazily busy with technology:)) Miss all the kids and wish I could be there. Say hi to my Pink Panthers:)  
~xixi”

“Greetings Earthlings! I am currently a math teacher in BPS. In the Fall of 2009, I will attend Harvard University for a Masters in Technology, Innovation, and Education. While safety is my first priority, I want the campers to learn while having fun. Little know fact about me: I'm double jointed in my right thumb.  
~Charles”

“I'm excited to return as a day and night counselor this summer. I truly enjoyed it last summer and I'm looking forward to meeting the kids this year. I'm entering my junior year at Northeastern as a candidate for a Bachelors of Science degree in Psychology with a minor in Biology. I am currently working on co-op at the Psychiatric and Neurodevelopmental Genetics Unit at Mass General Hospital as well as continuing my work in the Causal Cognition Lab at Northeastern. This summer I will be working on a scholarship project and some of my own research before I head back to classes in the fall.  
~Shradha”

I presently tutor sixth, seventh, and eighth grade students in math and English Language Arts at the Solomon Levenberg Middle School. Last fall I began student teaching at the Maurice J Tobin Elementary School in the sixth and seventh grade math classes. I love music, photography, reading, and being able to travel.  
~Nashema

# Resources

ExxonMobil Bernard Harris Summer Science Camp  
Northeastern University  
360 Huntington Avenue  
940 Renaissance Park  
Boston, MA 02115

Phone: 617-373-8380  
Fax: 617-373-7084  
E-mail: bhssc.neu@gmail.com  
www.stem.neu.edu/bhssc.htm



2008 BHSSC students working on a design



Executive Director Richard Harris and two BHSSC students playing "Fantastic Contraption"

[http://www.usa.gov/Topics/Back\\_to\\_School.shtml](http://www.usa.gov/Topics/Back_to_School.shtml)

Back to school website that provides links to resources for both parents and students.

<http://www.mathpower.neu.edu>

MathPower is a non-profit organization at Northeastern University whose goal is to help students gain math skills that help them understand mathematics beyond the state proficiency standards.

<http://school.familyeducation.com/high-school/parenting/37642.html>

This website has a list of books that serve as resources for parents and students as they make that transition from middle school into high school.

<http://www.greatschools.net>

Great schools offers a helping hand to parents trying to pick a new school for their children. It's also a useful resource for parents that want to stay involved in their child's academic careers.

<http://www.ed.gov/parents/academic/help/science/index.html>

Helping Your Child Learn Science: This booklet provides parents with information and activities to help their children learn and enjoy science.

<http://www.ed.gov/about/contacts/state/ma.html>

U.S. Department of Education: Massachusetts—State related resources for parents and students

**"The essence of mathematics is not to make simple things complicated, but to make complicated things simple."**

**~S. Gudder**