



BDPA Triangle Chapter Volunteers Needed Educate to Innovate

President Obama has launched an “*Educate to Innovate*” campaign to improve the participation and performance of America’s students in science, technology, engineering, and mathematics (STEM). This campaign will include efforts not only from the Federal Government but also from leading companies, foundations (e.g., *BDPA Education and Technology Foundation*), non-profits (e.g., *BDPA*), and science and engineering societies to work with young people across America to excel in science and math.

If you possess web programming, database basics, and management skills, BDPA-Triangle needs your skills, time, and talent!

Throughout the year, BDPA-Triangle conducts a *Student Information Technology Education Scholarship Program (SITES)* training program for the youth in our communities. The program is designed to expose our youth to the concepts of computers and give them the expertise to develop web applications. Each year we send one team of 3 to 5 students to the National Conference to compete against teams from chapters all over the country.

The BDPA National *High School Computer Competition, (HSCC)*, was founded in 1986 by Dr. Jesse Bemley, of Washington, D.C. What started as a two-team event between Washington, D.C. and Atlanta, Ga. has grown to over 20 teams of various high school students from chapters throughout the nation. It's all designed to introduce our Youth to the field of Information Technology, encourage them to seek higher levels of education, and groom many of them to become our next generation of IT professionals.

In July 2010, the top 5 students from the training program get to showcase their talents in the National Competition which consists of a timed computerized written exam, oral

questions and the development of a web application per specifications. If they feel creative, they can also participate in a T-Shirt Design Competition.

We are looking for members to volunteer on the SITES/HSCC Planning committee as well as we are looking for trainers to help us train students for the National Competition. The training occurs on Saturdays starting in February. Here's a short breakdown of the courses:

- HTML
- Javascript
- Foundation for PHP, JAVA
- Introduction to PHP, JAVA
- Intermediate PHP, JAVA
- Complex Queries
- MySQL Databases
- Computer Science Topics

If you are available on a Saturday morning for a couple of hours please volunteer to make a difference in a young person life. The SITES program is a conduit to aid us "*Educate to Innovate.*" Be a volunteer and give back to the community and make a difference in a student's life!

Our planning meeting begins on Jan 7, 2010. If you are interested in knowing more about

how you can contribute / help / or want to know more about the program, please contact: HSCC Coordinator info@bdpatriangle.org

Highlights from 2009 BDPA Triangle Chapter SITES/HSCC Saturday Tech Academy



- Student Information Technology & Education Scholarship (SITES) program enrolled 30 youth (ages 14 – 18) from Raleigh-Durham, NC area.
- Youth representing 16 different area high schools & 8 cities in the Triangle region enrolled in 24-week program.
- Youth attended Saturday (9:30 am – 2:30 pm) sessions at North Carolina Central University - School of Business / Computer Information Science Department, as well as sessions in a dedicated Virtual (online) Classroom.
- Youth learned computer technologies and programming concepts including Applications, Database, Personal Web Server Technologies, Web Page Development, IT Security, Public Speaking and Presentation.
- Ranked # 2 at NC Regional HS Computer Competition, and Tri Squad team represented area at National High School Computer Competition.

Volunteer Today!!

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