

# CONNECTION



## Message from the President:

### *Time to Connect!*

Over the past decade, politicians, educators and business leaders alike acknowledge and continue to debate a major concern confronting the U.S. workforce in the 21st century which is the shortage of Science, Technology, Engineering, and Math - STEM professionals to replace the retiring generation of baby boomers. **CABPES has been at the forefront of this debate for over three decades training, educating and developing STEM professionals to succeed in the fields of engineering and the applied sciences.**

Approximately 3,000 students have passed through CABPES over the last 31 years. CABPES would like to stay connected. We are increasing our efforts to have a better presence in the public schools and to track our graduates as they go through their college experience. We are partnering with government agencies and corporations in helping the CABPES graduates find internships and full time employment. We encourage all of our parents to get actively involved in the CABPES program in 2012! Your students need your participation more so now than ever before. To families and friends of CABPES alumni, please help us by sharing this newsletter with them. Our goal is to not only help students get into STEM professions, but also to help them with professional development and learn how to benefit from our extensive network.

Happy New Year to All!

*Dewey*

## Why Support CABPES?

Although there are many effective after school programs in this community, CABPES is the only program that provides STEM (Science, Technology, Engineering, and Math) programs to under-represented youth by minority engineers, technical professionals and math educators. This allows CABPES to not only provide the course information, but also to provide a mentor that the student can identify as a role model. CABPES impacts the young people in our community through:

\* **Academic achievement:** CABPES introduces students to the various fields of engineering through the JETS engineering programs that excite and encourage them to pursue engineering and related fields in school. The Math Enrichment Program allows them *(continued on Page 2)*

## Calendar of Events

- January 2 No MEP Class – Winter Break
- January 3 Spring Kick-Off Meeting for JETS
- January 4 No MEP or SAT/ACT & College Prep Class - Winter Break
- January 16 No MEP Class – Martin Luther King Day
- January 18 SAT/ACT & College Prep Class – College Portfolio Check-in
- February 16 Black History Celebration
- February 20 No MEP Class – Presidents' Day
- February 21 E Week
- March 20 JETS Special Event
- March 26 No MEP Class - Spring Break
- March 27 No JETS Class - Spring Break
- March 28 No MEP Class - Spring Break
- April 7 Trip to Mars
- May 12 CABPES Banquet

## Students!

See page 4 for important scholarship information and deadlines!

## (Why CABPES, Cont'd)

to improve their academic performance by filling in the gaps in their math learning. Additionally, CABPES offers an SAT Preparation Program to ensure that our students exceed in their goal to attend college.

**\*Leadership development:** CABPES' students are given opportunities to show leadership in our classrooms, by assisting the advisors and working in teams on projects. In addition, students have an excellent opportunity to develop



leadership skills by preparing and making public presentations to parents and supporters at our annual banquet. Students also have an opportunity to tutor in the WOW program, assisting older adults in developing computer skills and in our summer math program.



In the last 30 years, CABPES has educated, encouraged and inspired hundreds of youth to pursue studies in engineering, the sciences, technology and math.

### Board of Directors

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United Launch Alliance (ULA)

**Zane Beadles**  
Denver Broncos

## Student Spotlight:

### **Jade Nicole Thompson, 17 Senior, Denver School of Science and Technology**



#### **Q: Why did you join CABPES?**

I joined CABPES because I'd heard how wonderful it was from many of my former peers who had participated. CABPES provides classes where I can work with professional engineers, and gain new knowledge about the career field that I want to go into. It is a great atmosphere to be in, where you have teachers, and students around you to support you in your learning.

**Q: What are your other hobbies?** Other hobbies that I have are putting stuff together, and working with kids. I help my dad do projects around the house, because I have the patience to read directions and he doesn't. I am also currently participating in a group called UpLift, and we tutor kids, learn about leadership, and hang out.

**Q: What are your plans for the future?** After I graduate high school, I would like to pursue a degree in Chemistry, and a career in the Pharmaceutical field. I have been accepted by Colorado Mesa University, University of Northern Colorado, and Arizona State University. In the fall of 2012 I will be attending UNC.

**For information on how to sponsor or support CABPES, call:**

**(303) 329-6251**

**www.cabpes.org • PO Box 200508, Denver, CO 80220 • (303) 329-6251**

## SAVE THE DATE!

The 31st Annual CABPES Scholarship Banquet will be held on May 12, 2012 at the Marriott Denver Tech Center.

*We look forward to seeing you there!*



## Connect with CABPES:

### CABPES Staff & Advisors

**Glenn R. Hanley, Ph.D.**  
Program/MEP Director  
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(303) 329-6251

**Maggie Lombard**  
Office Administrator  
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**LaSaundra Bourne**  
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**Pearl Moham**  
Office Support

**Angela Sims-Ceja**  
SAT/ACT & College Prep  
Advisor  
ceja101@msn.com

*To register your middle or high school student for CABPES, contact:  
(303) 329-6251*

**Like us on FACEBOOK:**  
*We encourage all students and parents to join our CABPES and CABPES Scholarship Facebook Groups!*



## Board Spotlight: Dr. Charlotte Brigham



**How long have you been associated with CABPES?**  
Since 1996.

**Why did you join the CABPES Board?** I joined the CABPES Board because I believe my life experiences growing up in Denver, attending the Denver Public Schools and Colorado Universities will bring an added value to the Board. CABPES has a vision that is inclusive of African American females as it relates to STEM education and I

want to be a contributor to exposing more women of color to the world of engineering and science.

**What do you wish to accomplish as a board member?** As a Board member and graduate of DPS, I want to help CABPES gain more exposure by presenting the programs and the organization to the Denver schools and the communities.

**What is your educational background?** I have a B.S in Chemical Engineering, M.S. in Pharmacology and an M.D. in Internal Medicine.

**Name two things you'd like to see CABPES do in the future.** First, I would like for CABPES to continue to keep pace with the changes in our increasingly technological society, by continuing to offer courses that reflect the future and current market needs. Secondly, I would like for CABPES to be able to offer assistance to our students past their high school graduation and into early professional careers in science, engineering, and math.

### ***Did you know...***

that more than half of the CABPES Board consists of women (6 of 11) who have a combined 12 college degrees in the following areas?

- BS in Chemical Engineering x 2
- BS in Education
- BS in Mathematics
- BS in Mechanical Engineering
- BS in Computer Information Systems
- BA in Communications
- MA in Educational Leadership
- MS in Education
- MS in Pharmacology
- MBA with emphasis in Accounting
- MD with honors

***Our Mission:*** CABPES was founded in the late 1970's by a group of African-American engineers who shared a desire to increase the minority representation in technical professions. Our mission is to encourage and assist African-American and other under-represented minority youth in the pursuit and attainment of career choices in engineering and applied science professions.

# CABPES Opportunity Hub

## CABPES College Portfolio:

**Parents,** please encourage your students to complete a college portfolio and apply for scholarships! Too often, we see students apply for one or two scholarships. In reality, there is a direct correlation between the number of scholarships you apply for and the number you will be awarded.

Get ahead of the scholarship maze by staying organized with a college portfolio and applying for additional scholarships at least 2-3 months ahead of the advertised deadline!

## CABPES Scholarship:

**Seniors,** Watch your email for the 2012 CABPES scholarship application. All seniors must also complete the CABPES scholarship application, submit a college portfolio, seek scholarships from other organizations, practice, attend and speak at the CABPES banquet.

### *College Portfolio Help*

*If you need assistance with your college portfolio, please email Angela Sims-Ceja, CABPES SAT Advisor at: ceja101@msn.com*

*Angela is also available on Wednesday nights from 6pm – 8pm at the CABPES Technical Resource Center.*

## **APPLY! APPLY! APPLY!**

Students! There are millions of scholarship dollars available to help you fund your college education – but you must apply early, often and on a consistent basis! We recommend using the scholarship directory for the Denver Scholarship Foundation at **www.denverscholarship.org** to locate scholarship opportunities. A list of scholarships with quickly approaching deadlines is below.

Scholarship	Deadline	Amount	Description
Shell Technical Scholarship: Minority Scholarship	2/15/12	\$5,000	Must plan to enroll full-time in geology, geophysics, physics, chemical engineering, civil engineering, electrical engineering, geological engineering, geophysical engineering, mechanical engineering or petroleum engineering at certain institutions. <a href="http://www-static.shell.com/static/usa/downloads/careers/careers_hs_tech_form.pdf">http://www-static.shell.com/static/usa/downloads/careers/careers_hs_tech_form.pdf</a>
The Maureen L. and Howard N. Blitman, P.E., Scholarship to Promote Diversity in Engineering	3/1/12	\$5,000	Awarded annually to a high school senior from an ethnic minority who has been accepted into an ABET-accredited engineering program at a four-year college or university. <a href="http://www.nspe.org/resources/pdfs/scholarships.pdf">http://www.nspe.org/resources/pdfs/scholarships.pdf</a>
Sachs Foundation Scholarship	3/1/12	\$5,000	Must be an African American high school senior who has been a resident of CO for 5+ years. Renewable for the scholars only for Undergrad or Graduate study. <a href="http://www.sachsfoundation.org/scholarships">http://www.sachsfoundation.org/scholarships</a>
La Raza Youth Leadership: Nuestra Gente Scholarship	3/1/12	\$1,000	Must be a Colorado High School Seniors attending a Colorado approved college/university. Must answer essay questions and attend conference in April. <a href="http://www.larazayouth.org/LRYLI.html">http://www.larazayouth.org/LRYLI.html</a>
American Association of Blacks in Energy	3/10/12	\$5,000	Must attend a Metro Denver area high school and be African American. Student must want to pursue a major in math or science (computer science is acceptable) <a href="http://www.aabe.org/index.php?component=pages&amp;id=4">http://www.aabe.org/index.php?component=pages&amp;id=4</a>

**Hey Kids...** Be the first to answer the **CABPES Challenge** and win a prize!

### **This Month's Challenge: Mountain Climbers**

A party of eight mountain climbers had enough food for fifteen more days when they came upon two more climbers in need of help. It seems that the two climbers lost their food when their rope broke. So, they joined the party of eight and continued on. The climbers decided that each of them should use the same amount of food each day as they had originally planned; however, they will have to cut their trip short because the food will run out sooner.

For how many more days do the climbers have food?

Submit your response to [glenn.hanley@cabpes.org](mailto:glenn.hanley@cabpes.org). Winner will be announced in the next issue of the Connection!



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