

# CONNECTION



## Message from the President:

### **JETS 2012-13 Program Launch!**

On September 11, 2012, CABPES kicked off its 2012-2013 Junior Engineers Tomorrow's Scientists (JETS), Math Enrichment Program (MEP) and SAT/ACT & College Preparatory Program year. The kick off meeting was well attended by students, parents and volunteers. The students and parents were enlightened by presentations by Tracey Lovett from the Daniels Fund and Gully Stanford with College in Colorado. Tracey and Gully discussed in detail how to complete college entrance applications, when and how to apply for college financial aid and scholarships. CABPES will invite the Daniels Fund and College in Colorado back in the spring of 2013.

Dewey Brigham discussed the restructuring of the JETS program and how it will expose the students to more engineering classes enabling them to gain a better understanding of all of the disciplines of engineering. The restructuring of the JETS program will allow students participating in sports and other extracurricular activities in school to enroll in JETS classes after their activities have ended. The students were very enthusiastic about the wide array of classes offered this fall. The restructuring of the JETS program is exciting to the students, parents and volunteers.

CABPES is encouraging all students, parents and volunteers to recommend other students and families to join the JETS program beginning in January 2013. We will be offering some exciting courses with hands-on projects as we prepare for our 32nd CABPES Annual Awards Banquet on May 11, 2013.

## **CABPES Volunteer Drive – October 1 – December 31, 2012**

***Business Professionals and College Students... Are you looking for an opportunity to serve your community? CABPES needs your expertise!***

Please consider becoming a CABPES Volunteer or Tutor during our volunteer drive!

We are seeking CABPES volunteers and Tutors for all Engineering disciplines, Math, English, and SAT/ACT Prep.

**If you are interested, please contact Dr. Glenn Hanley today!**

Phone number: (303) 329-6251

Email Address: glenn.hanley@cabpes.org



## Calendar of Events

- Nov 19 Denver Museum of Nature & Science FREE Day
- Nov 20 No JETS Class (Thanksgiving)
- Nov 28 Denver Zoo FREE Day
- Dec 4 Colorado Gives Day (See p. 3)
- Dec 9 Denver Museum of Nature & Science FREE Day
- Dec 20 Winter Holiday Party
- Dec 25 No JETS Class (Winter Holiday Break)
- Jan 1 No JETS Class (Winter Holiday Break)
- Feb 5 Black History Month Celebration

**November 2013 JETS Class Dates:**  
11/8, 11/13, 11/27

**December 2012 JETS Class Dates:**  
12/4, 12/11, 12/18

**January 2013 JETS Class Dates:**  
1/8, 1/15, 1/22, 1/29

## ***Seniors!***

See page 4 for information about approaching scholarship deadlines.

## Alumni Spotlight:



**Kamaria Hakeem,**  
CABPES 2002-2008

Howard University Class of 2011  
B.S., Chemical Engineering

### Q: What was your favorite CABPES experience?

I really enjoyed making the final projects for the CABPES Banquet. They were always a lot of fun! Whether it was balsa wood bridges, coding for a calculator, designing a house, building a race car, or designing a circuit board, the time taken to create and compete was great!

### Q: How did CABPES impact you?

I love that CABPES offers the chance for young kids to get engineering experience from real, working engineers. I never appreciated how hard

volunteering must have been for them. Not only the time

commitment but,

their dedication to simplify technical engineering terms is amazing! I remember taking the Mech.E class when I was still in middle school. NOTHING that was taught in that class made too much sense to me! Later in high school and even more so in college I would recall concepts I was introduced to in the class and I came to find that physics, derivatives, integrals, and the Laws of Physics are real!

*“... in high school and even more so in college, I would recall concepts I was introduced to in CABPES - and I came to find that physics, derivatives, integrals, and the Laws of Physics are real!”*

### Q: What did you do after CABPES? (i.e. college discipline, career path, etc)

I studied Chemical Engineering (A class I begged Ms. Francie to create...If it hasn't been done maybe I'll move back home and create it!) at Howard University. Currently, I live and work in Chicago, Illinois where I work for Abbott Labs.

### Q: What advice would you offer to CABPES students?

PAY ATTENTION! Listen to what your CABPES teachers are saying and have fun!

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CH2M HILL

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Show your support for CABPES on  
Colorado Gives Day! **December 4, 2012**



View our Profile and submit your donation here:

<https://www.givingfirst.org/CABPES/overview>

*Your generous contributions allow us to continue providing STEM programming and scholarship opportunities to historically underrepresented youth in our community!*

### Staff Spotlight: Glenn Hanley, PhD



**Q: How long have you been with CABPES?**

I have been the Program Director since September of 2011

**Q: Why did you join the CABPES Staff?**

I joined the staff because most of my professional career has been spent working with students to get them into and stay in college. The mission of the

organization is something education as a whole needs to embrace and being a part of CABPES helps in getting that message out to students.

**Q: What do you wish to accomplish as member of the CABPES team?**

I would like to see CABPES reach out to more students and be recognized as an educational partner to the school districts, so that I don't have to hear 'we've never heard of you before.' CABPES has been the best kept secret in Northeast Denver when there are so many students who would really benefit from the programs being offered.

**What is your educational background?**

I have a bachelor's degree in Physical Education, a Masters in Health Education and a PhD in College Student Personnel Administration and a Fellowship from the Kellogg Foundation and the University of Texas.

**Q: Name two things you'd like to see CABPES do in the future.**

- CABPES become better recognized in the community for what it will do to help students be better prepared for college.
- CABPES develop sustaining partnerships with companies to support the individual programs and students through scholarships.

### Did you know...

**Ninety-eight percent of CABPES' JETS students go to college**, while 74 percent of these students study engineering or some other STEM related degree program.

**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.

## Connect with CABPES:

### CABPES Staff & Advisors

**Glenn R. Hanley, Ph.D.**  
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**Pearl Moham**  
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**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!



# CABPES Opportunity Hub

## Tools and Resources...



**Khan Academy** is a great free resource for students who need a little extra help or would like to explore new topics. With a library of over 3,500 videos on everything from arithmetic to physics, finance, and history and hundreds of skills to practice, Khan will help you learn what you want, when you want, at your own pace.

Visit: <http://www.khanacademy.org/>

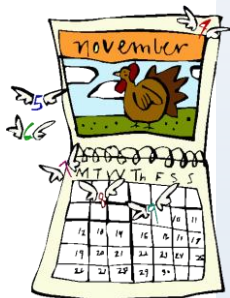
(Excerpted from [www.khanacademy.org](http://www.khanacademy.org))

## SCHOLARSHIPS!

Students, one of the most significant expenses you will face is the cost of a college education. Be sure to research scholarship and grant opportunities early and often! There are millions of scholarship dollars available to help you fund your college education. A list of scholarships with quickly approaching deadlines is below.

Scholarship	Deadline	Amount	Description
<b>Daniels Fund Scholarship</b> <a href="http://www.DanielsFund.org/Apply">www.DanielsFund.org/Apply</a>	11/29/12	Varies	For current high school seniors; resident of CO, NM, UT, or WY; US citizen or permanent resident of the US; demonstrate financial need (less than \$75,000 per year for a family of four with one child in college; an EFC between \$0 and \$6000). Candidates are evaluated on willingness to give back to the community, leadership potential, academic performance or promise, strength of character, well-rounded personality. Need-based; Merit-based; Min SAT: 830; Min ACT: 17.
<b>Gates Millennium Scholarship</b> <a href="https://scholarships.gmsp.org/Program/Details/7d6e42b1-d063-4bd2-a977-057b290e2708">https://scholarships.gmsp.org/Program/Details/7d6e42b1-d063-4bd2-a977-057b290e2708</a>	1/16/13	Varies	Students are eligible to be considered if they meet all of the following criteria: Are African American, American Indian/Alaska Native*, Asian & Pacific Islander American** or Hispanic American; Are a citizen, national or legal permanent resident of the U.S.; Have attained a cumulative high school GPA of 3.3 on an unweighted 4.0 scale or have earned a GED; Will enroll for the first time at a U.S. located, accredited*** college or university (with the exception of students concurrently pursuing a high school diploma) in the fall of 2013 as a full-time, degree-seeking, first-year student. First-time college enrollees can also be GED recipients; Have demonstrated leadership abilities through participation in community service, extracurricular or other activities; Meet the Federal Pell Grant eligibility criteria.
<b>AXA Achievement Scholarship</b> <a href="http://www.axa-scholarship.com/">http://www.axa-scholarship.com/</a>	2/1/13	\$10,000	Describe an achievement in a non-academic activity or project. Must demonstrate ambition and drive, determination to set and reach goals, respect for self, family and community, ability to succeed in college. Merit-based.

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



### This Month's Challenge: Calendar Quiz

What occurs once in June and twice in August, but never occurs in October?

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

Last Issue's answer: a shadow