

CONNECTION



Message from the President:

The Future is STEM!

High academic performance and educational attainment constitute valuable assets that enable students to compete for desirable employment opportunities in a growing and technologically advanced global economy. Attaining a post-secondary education in the twenty-first century is arguably more important than at any other time in American history. It signifies, in large part, the degree of social mobility one has or will have in American society.

Unfortunately, educational attainment has been elusive and difficult for minority students, most notably in science, technology, engineering, and mathematics—the fields collectively known as STEM. One approach to addressing students' deficiencies in STEM education is their participation in STEM afterschool programs such as CABPES. Numerous evaluations of afterschool programs have shown both academic and behavioral gains for students participating in afterschool programs.

CABPES is encouraging parents, students and educators in the Denver schools to take advantage of its inexpensive STEM afterschool program which is known for sending its students to some of the best STEM colleges and universities in the U.S. To learn more about CABPES please visit our website at www.cabpes.org or call the CABPES office at 303-329-6251.

Dewey

Congratulations Dewey!

CABPES President, Dewey Brigham was the January 2012 recipient of the Minoru Yasui Community Volunteer Award for his quarter century of service with the Colorado Association of Black Professional Engineers and Scientists (CABPES).

As president of CABPES, Brigham is the face of the organization. He visits metro-area schools to recruit students, enlists volunteers and tutors, raises funds from foundations and corporations, and solicits in-kind gifts. Brigham also gets others involved. He recruits supporters, advisors, board members and volunteers from a professional fields ranging from engineering, construction, academia and architecture. During his tenure with CABPES, he has been able to increase maximum scholarships for students from \$500 to \$2,000 per year.

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Calendar of Events

- April 30 CABPES Summer Math Boot Camp Registration Opens
- May 12 CABPES Banquet
- June 2 Denver Art Museum Free Day
- June 17 Denver Museum of Nature & Science Free Day

CABPES BANQUET INFO:

Saturday, May 12, 6p-10p

Join **Denver Broncos Offensive Lineman Zane Beadles** in celebrating the success of our students at the 31st Annual Awards Banquet!

It's not too late to purchase tickets or a table!

- Sponsorship opportunities are still available
- Tickets are \$50/person, or \$75/couple

This year's banquet will feature a Silent Auction.

Be sure to bid high and often!

Parents!

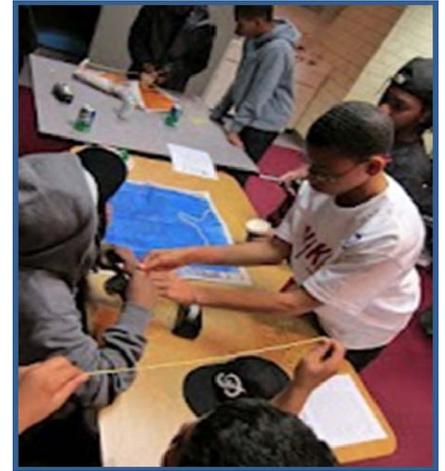
See page 4 for information about our Summer Math Boot Camp 2012!

(Congratulations, Cont'd)



CABPES' 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 has educated more than 3,000 underrepresented minority students in its afterschool program over the past 31 years. ***Ninety-eight percent of CABPES students go to college***, while 78 percent of these students study engineering or some other technical degree program in college.

A senior construction manager with CH2M HILL, Brigham devotes a substantial amount of volunteer time encouraging metro-area minority youth to excel in math and science to help qualify them for future careers in engineering, science and related occupations. CABPES offers an afterschool enrichment program held in Denver's Park Hill neighborhood featuring CABPES volunteers who tutor and encourage students in their math and science studies.



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Student Spotlight: **Brenden Harris, 13** **8th Grader, Grayland** **Country Day School**

Q: Why did you join CABPES?

I joined CABPES my first year in middle school, 3-years ago. My dad was in JETS as a child, so he knew about the Math Enrichment Program. He was finding it hard to help me with my math because his work was in downtown Denver and I live with my Grandmother in Aurora. With his knowledge of the MEP, he thought this was going to be the best option for me to get help with my math.

Q: What are your other hobbies?

Right now I play three sports; basketball, soccer and lacrosse. I don't have a lot of free time because I attend a private school and I have a ton of homework. Right now I'm involved with a musical at school as well. I'm also interested in the Japanese culture, so I read comic books, TV shows and video games translated from Japan that have been translated into English.

Q: What are your plans for the future?

I want to go to college at Georgetown University to study archeology and to learn about Mediterranean History. My dream is to become an archeologist.

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

REGISTER NOW!

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

Visit www.cabpes.org to register.

Early registrants will receive a sneak preview of our Silent Auction Items!

Board Spotlight: Guy Mitchell, Board Chair



How long have you been associated with CABPES?

I have been a board member since 2004.

Why did you join the CABPES Board? I joined CABPES because its mission was important to me. I had strong mathematics aptitude when I was in middle and high school, but I didn't realize it and had no direction. I didn't know what questions to ask. I could have benefited from a program like CABPES to expose me to what was out there.

What do you wish to accomplish as a board member? If at least one student was successful because of something we've done as an organization, then part of our work is done. CABPES should be a household word in the Denver community. I'd like to create an environment where students are competing to get into CABPES because they know that inclusion will mean instant success. I'd also like to create opportunities for alumni to give back to other students.

What is your educational background? I have a B.S. in Mathematics and an M.S. in Applied Statistics and Research Methods, with an Emphasis in Operations Research.

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

- CABPES creating an endowment program for scholarship so that we can support more students.
- CABPES creating more partnerships with companies that will support the individual programs.

Did you know...

that Math Enrichment Program (MEP) attendance in 2010-2011 led to significant math skill improvement in CABPES students? **It's all in the numbers!**

- CABPES students attending 70-80% of scheduled MEP classes: improved test scores by **9.21%**
- CABPES students attending 80-90% of scheduled MEP classes: improved test scores by **18.57%**
- CABPES students attending 90-100% of scheduled MEP classes: improved test scores **21.57%**

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

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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

On PACE for Success:

CABPES Parents: Looking for a way to get involved in the program and the success of your children? Support PACE! The "**Parent Action Committee for Education**" (PACE) is looking for volunteers. The group, led by new president **Ms. Cheri Thompson**, has had one official meeting this year and plans to meet again on *May 6th* from 5:30-6:30 at the home of board member Mrs. Joslyn Owens. The address is 2077 Fairfax St., Denver. During this meeting, we will select a secretary.

We are currently seeking parents to help with registration and during the "**Silent Auction**" at the banquet on May 12.

If you'd like to sign up as a parent volunteer, please e-mail or call our PACE Parent president, Cheri Thompson at: clthompson55@yahoo.com, or cell (720) 338-0289.



Summer Math Boot Camp 2012

CABPES will be offering a Summer Math Boot Camp for students in grades 6 through 9. March on in and get a head start on math skills for next year!

Call (303) 329-6251 for details.

Registration starts April 30!

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
Society of Women Engineers: National Scholarship Program	5/14/12	\$10,000	Various scholarship listings for high school seniors, undergraduates and graduate students. Must be a female planning to major in engineering, or computer science at a college or university that has an ABET accredited curriculum. Eligibility requirements included on the second page of each application. You can apply online, by creating a profile. https://scholarships.swe.org/applications/login.asp
Kit Faragher Foundation Scholarship	5/15/12	\$2,500	Must be a student with positive attitude, strong commitment and drive toward accomplishment. Must demonstrate financial need. http://www.kitfaragherfoundation.org/
NAMEPA, Inc: Beginning Freshman Award	5/26/12	\$1,000	Must have been approved for admission and designated as an engineering major in order to apply to the beginning freshman award. A minimum cumulative GPA of 2.7/4.0 and a minimum cumulative scores of either the ACT/SAT college entrance examination of 25/1000. An official copy of the candidate's high school transcript and test scores must accompany application. Student must attend a NAMEPA member institution. A list of NAMEPA member institutions can be found on the NAMEPA website at www.namepa.org . For full details visit the website. http://www.csulb.edu/divisions/students/scholarships/search/display.php?sID=971



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

This Month's Challenge: A Snail's Pace

A snail is climbing up a one-meter-high wall. It advances three centimeters per minute and then stops for one minute to rest, during which it slides back down two centimeters.

How long will the snail take to reach the top of the wall?

**Submit your response to glenn.hanley@cabpes.org.
Winner will be announced in the next issue of the Connection!**

Last Issue's answer: 12 days