

*Engineers & Scientists  
Helping Today's Youth  
Build Brighter Futures!*

**HOW CAN I GET INVOLVED?**

**Student Opportunities**

CABPES is open to middle and high school students who want to learn about careers in engineering and/or applied sciences. The annual registration fee is at a minimal cost and discounts are offered to families enrolling more than one student.

Come:

- \* Transform ideas to action
- \* Challenge the status quo
- \* Think innovatively

That's what engineers and scientists do everyday!

**Adult Volunteers Opportunities:**

CABPES is a reflection of the dedication and commitment of its volunteers. We need your valuable expertise! To serve as a volunteer, we ask that you:

- Work as an engineer, scientist, teacher, or in a technical profession
- Use communication skills to relate to the students
- Participate in developing hands-on projects
- Have passion for seeing our youth succeed!

**Other ways to Support CABPES:**

**PACE**—The Parent's have their own committee which is the equivalent of a school's PTO

**Corporate Assistance**—Corporations can contribute by providing monetary support, in-kind donations, and/or volunteer.

Your contributions help fund our programs. They also provide scholarships for graduating seniors who have completed our programs. To date CABPES has awarded more than **150** scholarships!

CABPES Programs

» By training students through systematic stages of development, with clearly defined engineering disciplines, **MEP, JETS, & SAT Prep programs** produce outstanding results!

» The programs offered through **CABPES** are as follows:

**MEP: Math Enrichment Program**  
(grades 5th–12th)

**JETS: Junior Engineers, Tomorrow's Scientists** (grades 6th - 12th)

**SAT Prep Program:**(high school students)

**WOW: Widening Our World** is a summer computer course (senior citizens)

» The programs offered through **CABPES** ensure that all individuals receive accurate educational instruction with proven results. Through comprehensive methods and a hands-on approach **CABPES** helps students progress, develop, and achieve success!

**Colorado Association of  
Black Professional  
Engineers & Scientists**

Make an appointment to visit CABPES:

4301 East Colfax Avenue  
(3rd Floor at Colfax & Bellaire)  
Denver, CO 80220

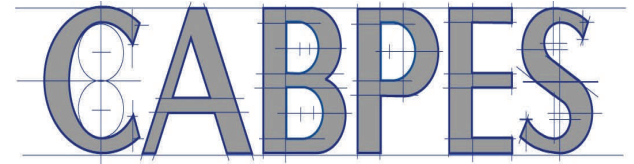
Mail CABPES your information:  
P.O. Box 200508

Denver, CO 80220

Call CABPES: (303) 329.6251

Visit CABPES online: [cabpes.org](http://cabpes.org)

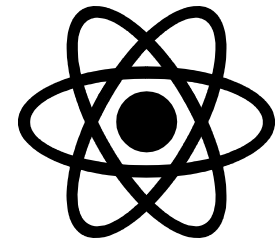
Email CABPES: [cabpes@gmail.com](mailto:cabpes@gmail.com)



Colorado Association of Black Professional Engineers and Scientists

[Cabpes.org](http://Cabpes.org)

[Cabpes@gmail.com](mailto:Cabpes@gmail.com)



**303.329.6251  
303.329.3929**

## CABPES' MISSION

*-To encourage and assist African American and other under represented minority youth to pursue careers in engineering and applied sciences.*

### PROGRAM OVERVIEW

CABPES offers hands-on courses that include aerospace, architecture, civil, computer animated design, computer programming & web design, electronics, robotics engineering among other math based courses. Beginning September through May, students attend evening sessions in one or more of the following programs:

#### ***Junior Engineers, Tomorrow's Scientists (JETS)***

The **JETS** curriculum introduces middle and high school students to subjects in engineering they may not have previous access to and/or educational experiences they may not be exposed to in school. With such specialized and detailed engineering courses students gain knowledge and understanding through guest speakers, seminars, on-site field trips, tutoring, and award-winning professionals, who volunteer as advisors to teach the engineering courses!

Our students apply what they've learned by completing a project relevant to their discipline of engineering. The courses are held for an entire academic school year. CABPES annual banquet showcases their projects and students present, discuss, and answer questions about their projects. One of the most popular features during the student showcase is the bridge contest, which is a competition among students in the civil engineering class.

***When young people challenge themselves, they determine their future!***

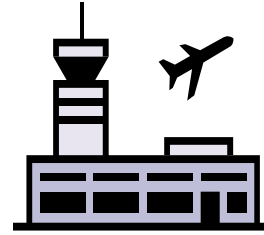
#### **Math Enrichment Program (MEP)**

The Math Enrichment Program is designed to help students in grades 5-12 gain a better understanding of math based subjects. Volunteer tutors, consist of active and retired engineers, educators, scientists, and physicians who tutor students in everything from basic math to calculus and physical science subjects such as chemistry and physics.

Because it is so important for students to grasp the fundamentals and display mastery of basic math skills, they are not allowed to use modern day advances such as calculators and computers. Once they've proven that they've mastered the subject matter, then the use of modern day tools are expected to be used efficiently in **JETS** and **SAT Prep** classes.

#### **SAT Prep Program**

CABPES has an impressive method of increasing students' chances of entering college, by helping young people prepare for the **SAT** and other standardized college entrance examinations. Offered twice a year, the SAT Prep Program is a collaboration between CABPES, PACE, and Professionals. Since CABPES began offering the program data shows substantial improvement in the students' SAT scores.

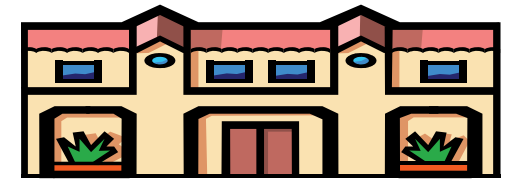


**When you open the eyes of creative thinkers you've improved their vision on how to shape the world!**

#### **Widening Our World (WOW)**

Turning the tables, middle school and high school students become the teachers! **JETS** students provide **senior citizens** from the Greater Metro Area **free** training classes on basic computer skills for nine weeks. Seniors citizens are taught the basics which include skills such as: how to use email and surfing the internet. This unique experience not only challenges the students to give back to the community, it also teaches them responsibility and communication skills.

**When you share knowledge, you gain wisdom!**



**It takes every discipline of engineering to create a building!**

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