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SCHOOL AND COMMUNITY

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George Washington Carver High School of Engineering and Science (Carver E&S) is a magnet school, grades 7-12, striving to attract academically talented, college-bound students from diverse backgrounds. Carver E&S is a part of The School District of Philadelphia. We are committed to providing a rigorous curriculum with focus in STEM areas enriched by related extra-curricular opportunities.

Carver E&S is consistently ranked as a top school in Philadelphia based on city and state rankings. We are annually recognized by the US News and World Report as a "Top High School."

Located in the backyard of Temple University, our campus features two Engineering labs, 3 computer science labs, including equipment for a comprehensive Digital Editing program, and a dynamic library space. Many students describe our school as a "happy" place with a positive and challenging learning community.

STUDENT BODY

We receive over 2,000 applications per year for 200 9th grade seats and 60 7th grade seats. Our admissions criteria requires: (1) A/Bs in all subjects; (2) At least 80% on a standardized test; (3) Minimal absences; (4) One-page essay about why you wish to attend Carver E&S.

Our student body of 900 students spans the city of Philadelphia, representing 45 zip codes. Our school was founded nearly 40 years ago with the explicit mission of preparing people under-represented in STEM fields, and we are proud to continue that today.

Our demographics are comprised of:

- 74% African American
- 10% Asian
- 8% Latino
- 5% Caucasian
- 3% Other
- 52% Male; 48% Female
- 75% qualify for Title 1 Funding
- Annual attendance rate is 96%.
- Class of 2017 had a 100% college acceptance rate with 82% choosing to matriculate to college.
- 4-year graduation rate is 96%.
- SAT Scores: Overall 1052, ERW 529, Math 523
- Keystone Scores (% passing): Literature 86%, Algebra 1 82%, Biology 84%

ACADEMIC PROGRAM

Carver E&S offers a rigorous curriculum with particular emphasis on the sciences, technology, engineering, and mathematics. Our faculty of dedicated professionals includes 75% with more than 10 years experience and 89% with advanced degrees.

Graduation requirements: 4 credits English; 4 credits Social Studies; 7 combined credits of Math and Science; 2 credits of foreign language; 2 credits of Arts & Humanities; 1.5 credits of PE & Health; at least 2 elective credits. (Guidelines of School District of Phila.)

STEM Pathways:

- **Engineering** (using Project Lead the Way): Introduction to Engineering Design, Principles of Engineering; Civil Engineering & Architecture; Digital Electronics
- **Computer Science:** Computer Science 1 (mandatory for all 8th & 9th grade students); Java Programming; Digital Editing; Game Design; AP Computer Science A
- **Bio-Medical:** Anatomy Honors; Bio-Technology; AP Biology

Dual Enrollment agreements with Community College of Philadelphia, University of Pennsylvania, and Temple University.

Course Selection: Our curriculum features 11 Honors course and 16 AP Courses. Students request higher level courses and are approved by faculty based on past performance and, in some cases, taking a prerequisite course. Qualified students are never turned away from an honors or AP course.

AP Course Offerings:

- Science: Biology, Chemistry, Environmental Science, Physics A
- Math: Calculus AB, Calculus BC, Statistics
- English: English Literature, Seminar
- History: US Government & Politics, US History, World History, Psychology, Microeconomics
- Computer Science: Computer Science A, Computer Science Principles

In 2017, we had 212 students enrolled in AP classes; in 2013, we offered 6 AP courses with 104 enrolled students. All students are expected to take an AP class prior to graduation.

COLLEGE ACCEPTANCE

One hundred percent of our seniors apply to, and are accepted at a college or university. A recent study by the National Clearinghouse indicates that a majority of E&S graduates achieve a college degree within six years.

Recent College Acceptances

Arcadia University
Bates College
Carnegie Mellon University
* Columbia University
* Cornell University
* Drexel University
Fairfield University
Georgia Institute of Tech
Goucher College
* Hampton University*
* Howard University
* LaSalle University
Lehigh University
* Morehouse College
Ohio State University
* Pennsylvania State University

* Currently Attending

* Stanford University
Rensselaer Institute of Technology
* Rochester Institute of Technology
Rose – Holman Institute
* Rowan University
* Rutgers University
* Spelman College
* St. Josephs University
St Johns University
* Susquehanna University
Syracuse University
* Temple University
Tuskegee Institute
University of California – San Jose
University of Connecticut
* University of Delaware

* University of Hawaii
University of Iowa
University of Maine
* University of Maryland
University of Miami
University of North Carolina
* University of Pennsylvania
* University of Pittsburgh
* University of the Sciences
* Villanova University
* Virginia State
Virginia Commonwealth
* West Chester University
* West Virginia University
* Widener University

CULTURE OF EXCELLENCE

College & Career Readiness

- * **University partnerships & dual enrollment:** University of Pennsylvania, Temple University, Community College of Philadelphia, Lehigh University, and Drexel University
- * **Partners & Internships:** NavSEA, Army Corps of Engineers, School District of Philadelphia IT Department, Temple University - Colleges of Science & Technology and Engineering, St. Christopher's Hospital, Steppingstone Scholars, Squashsmarts, Big Brothers / Big Sisters
- * **Annual College Day:** 70 colleges and universities at E&S and 15 University Visits

Scholarships

- * Gates Millenium
- * QuestBridge
- * Ron Brown
- * PA Board of Governor's
- * Mayor's - University of Pennsylvania
- * Liberty - Drexel University
- * Chairman's - Temple University
- * Presidential - Villanova University
- * Founder's - LaSalle
- * Presidential - Widener University

Award Winning Teams (2014-Present)

- * Sea Perch, Nationals in Baton Rouge, LA
- * Quiz Bowl, Nationals in Atlanta, GA
- * ACE Design Competition, Nationals in Washington DC
- * MESA Competition, Nationals in Ogden, UT.
- * Marshall-Brennan Moot Court Competition, Boston MA
- * Regional Technology Student Association, CAD Design & Robotics, Seven Springs, PA
- * Citywide Science Fair
- * Citywide Cheerleading
- * Girls Basketball Division Champions

"Education is the key to unlock the golden door of freedom."

George Washington Carver

