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## SCHOOL AND COMMUNITY

### Principal:

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### Website:

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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 a 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. In 2019, Carver E&S was awarded as a National Blue Ribbon School of Excellence by the U.S. Department of Education. 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 9<sup>th</sup> grade seats and 60 7<sup>th</sup> 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 950 students spans the city of Philadelphia, representing 45 zip codes. Our school was founded 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:

- 63% African American
- 13% Asian
- 10% Latino
- 8% Caucasian
- 6% Other
- 53% Male; 47% Female
- 61% Low Income
- Annual attendance rate is 96%.
- Class of 2019 had a 100% college acceptance rate with 79% choosing to matriculate to college.
- 4-year graduation rate for Class of 2019 is 99%
- SAT Scores (Class of 2020): Overall 1058, ERW 540, Math 518
- Keystone Scores -% passing (Class of 2020): Literature 92%, Algebra 1 84%, Biology 80%

## ACADEMIC PROGRAM

Carver E&S offers a rigorous curriculum with particular emphasis on the sciences, technology, engineering, and mathematics. Beginning with the Class of 2020, we no longer publish class rank. 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 Philadelphia.

Minimum passing grade is a 60. Honors courses include a 1.15 GPA multiplier and AP courses include a 1.2 GPA multiplier

**Covid19 Update:** In response to the school closure beginning on March 13, and in accordance with School District of Philadelphia policy, Quarter 3 and Quarter 4 grades were combined with the condition that grades would not decline from their March 13 progress.

**Dual Enrollment** agreements with Community College of Philadelphia, University of Pennsylvania, University of the Sciences and Temple University

**Course Selection:** Our curriculum features 11 Honors courses 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:

In 2020, we had 225 students enrolled in AP classes

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

**STEM Pathways**, with aligned electives, in Engineering, Bio-Medical and Computer Science.

## COLLEGE ACCEPTANCE

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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  
Boston University  
Carnegie Mellon  
Clarkson University  
Columbia University  
\* Cornell University  
\* Delaware State University  
\* Drexel University  
\* Duke University  
Georgia Institute of Technology  
\* Gettysburg College  
\* Hampton University  
\* Haverford College  
\* Howard University  
\* Johns Hopkins University  
\* LaSalle University  
Lehigh University  
McGill University

### \* Currently Attending

\* Morehouse College  
\* Pennsylvania State University  
\* Princeton University  
Purdue University  
Rensselaer Institute of Technology  
\* Rochester Institute of Technology  
\* Rowen University  
\* Rutgers University  
\* Spelman College  
\* St. Joseph's University  
St. John's University  
\* Stanford University  
\* Susquehanna University  
\* Swarthmore College  
Syracuse University  
\* Temple University  
\* Thomas Jefferson University  
Tuskegee University

United States Coast Guard Academy  
\* University of California - Santa Barbara  
\* University of Delaware  
\* University of Hawaii  
\* University of Maryland  
University of Miami  
University of Michigan  
University of North Carolina  
\* University of Pennsylvania  
\* University of Pittsburgh  
\* University of the Arts  
\* University of the Sciences  
\* Ursinus College  
\* Villanova University  
\* Virginia State University  
Virginia Commonwealth  
\* West Chester University  
\* Widener University

## CULTURE OF EXCELLENCE

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### College & Career Readiness

- \* **University partnerships:** University of Pennsylvania, Temple University, Community College of Philadelphia, Lehigh University, University of the Sciences 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, Philadelphia Futures
- \* **Annual College Day:** 75 colleges and universities at E&S and 20 University Visits

### Scholarships

- \* Gates Millennium
- \* QuestBridge
- \* John McKee
- \* 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 (2016-Present)

- \* Sea Perch in Baton Rouge, LA
- \* Quiz Bowl in Atlanta, GA
- \* ACE Design Competition in Washington DC
- \* FIRST Robotics, State Qualifier
- \* Marshall-Brennan Moot Court Competition, Boston MA
- \* Regional Technology Student Association, CAD Design & Robotics, Seven Springs, PA
- \* Science Fair Regional Award Winners
- \* Cheerleading Five-time State Qualifiers
- \* Girls Basketball Division Champions
- \* Philadelphia School Journalism Award

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

George Washington Carver

