



GEORGE WASHINGTON CARVER
Engineering and Science
HIGH SCHOOL • MIDDLE SCHOOL

1600 West Norris Street • Philadelphia, PA 19121
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SCHOOL PROFILE
2021 - 2022

SCHOOL AND COMMUNITY

Principal:

Dr. Darryl Johnson

Vice Principal:

Ms. Elizabeth Curry

Counselors:

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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 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 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

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

*** Currently Attending**

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| <ul style="list-style-type: none"> • 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 • Harvard University • Haverford College • Howard University • Johns Hopkins University • LaSalle University • Lehigh University • McGill University | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 |
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CULTURE OF EXCELLENCE

College & Career Readiness

- * **University partnerships:** University of Pennsylvania, University of the Sciences, West Chester University and Drexel University of Philadelphia, Lehigh University Temple University, and Community College
- * **Partners & Internships:** NavSEA, Army Corps of Engineers, YATE (Young Ambassadors Technology Exchange, Temple University - Colleges of Science & Technology and Engineering, St. Christopher's Hospital, Steppingstone Scholars, Squashsmarts, Big Brothers / Big Sisters, Philadelphia Futures, WHYY Media and Communications Programming, Philadelphia Writing Project, Solar States, Mad Beatz Philly, TEACH (SAT Prep), SpeakUp!, Inner Strength Foundation Carver STEM Mentorship Program: Lockheed Martin, JBCI Engineering Consultants, COMTO (Conference of Minority Transportation Officials), and IPS (Integrated Project Services)
- * **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
- * West Chester S-STEM Scholarship
- * Brighter Horizon Scholarship
- * Thrive Scholars Scholarship
- * Amazon Future Engineers Scholarships

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

