



GEORGE WASHINGTON CARVER
Engineering and Science
HIGH SCHOOL • MIDDLE SCHOOL

1600 West Norris Street • Philadelphia, PA 19121
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SCHOOL PROFILE
2024 - 2025

SCHOOL AND COMMUNITY

Principal:
Dr. Darryl Johnson Jr.
Vice Principal:
Elizabeth Curry

Counselors:
Mr. T. Neal
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George Washington Carver High School of Engineering and Science is a cutting edge, innovative, and college preparatory criteria-based school for grades 7-12 serving academically talented and motivated students interested in S.T.E.A.M. (Science, Technology, Engineering, Arts, and Math) related career fields.
We are committed to providing a rigorous curriculum with a focus in these areas, enriched by a sea of extra-curricular opportunities. Our goals are to prepare our students with the academic, and organizational skills for collegiate success and to empower our students with the social and leadership skills to be lifelong learners and productive citizens.

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 904 students spans the city of Philadelphia, representing 45 zip codes. Our school was founded forty two years ago with the explicit mission of preparing people under-represented in STEAM fields, and we are proud to continue that today.

Our demographics are comprised of:

- 58% African American
- 15% Asian
- 11% Latino
- 9% Caucasian
- 7% Other
- 52% Male; 48% Female
- 61% Low Income
- Efficient Outstanding Attendance rate of 97% for 935 students
- 4-year graduation rate for the Class of 2024 is 100%
- Class of 2024 had a 95% college acceptance rate with 3% accepting to enlist in the Armed Forces; and 2% accepted to S.T.E.A.M. Field trade schools.
- Class of 2024 earned over \$20,462,568 in College scholarships (58 Academic Full Rides, including 42 to the Temple University.)

ACADEMIC PROGRAM

Carver E&S offers a rigorous curriculum with particular emphasis on the sciences, technology, engineering, arts, and mathematics. Beginning with the Class of 2020, we no longer publish class rank. Highest quality teaching staff credentials in PA (11 "Lindback Teacher of the Year" awarded teachers on staff, Citadel Heart of Learning Award Recipient, Feb 2024 Teacher of the Month,, 80% of staff have over 10 years of experience teaching, and 90% of staff hold advanced degrees (masters/ doctorate)

Popular Academic Course Pathways:

Latest Additions to S.T.E.A.M. Programming
Science - Carver will now offer Chemistry 2 Honors, Physics Pre-AP, AP Physics C- Mechanics and AP Physics C- Electricity and Magnetism.

Technology - Carver will receive a brand new state of the art Digital Literacy Lab. This will enhance programming for MS and HS technology electives.

Engineering - Temple partnership will provide a New Internship Experience course for students at the College of Engineering.

Arts - We've added Film History and Drama to our course catalog.

Math - Our Latest PrismsVR innovation platform will expand to more Math and Science courses.

College and Career Pathway Options:

Dual Enrollment Programs: Community College of Philadelphia, Thomas Jefferson University, Drexel University, St. Joseph's University and Temple University.
Experiential STEAM Internships- (Off-Site)

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.

Advanced Placement Courses: 12 Honors Courses/ 17 AP Courses Offered

AP Courses: Biology; Calculus AB; Calculus BC; Chemistry; Computer Science A; Computer Science Principles; Chinese; English Language and Composition; English Literature and Composition; Microeconomics; Physics C- Mechanics and Physics C- Electricity and Magnetism; Psychology; Research; Seminar; U.S. History

Minimum Passing Grade is a 60. Honor courses include a 1.15 GPA multiplier and AP Courses include a 1.2 GPA multiplier.

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
- Boston University
- Carnegie Mellon University
- *Clark Atlanta University
- Columbia University
- *Cornell University
- *Delaware State University
- *Drexel University
- Duke University
- *Florida A&M University
- *Georgia State University
- *Gettysburg College
- *Hampton University
- *Harvard University
- *Howard University
- *Indiana University of Pennsylvania
- *John Hopkins University
- *LaSalle University
- *Lehigh University
- McGill University

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- *Morgan State University*
- *Morehouse College
- *North Caroline A&T State University
- *Parsons School of Art and Design
- *Pennsylvania State University
- *Princeton University
- Purdue University
- Rensselaer Institute of Technology
- *Rochester Institute of Technology
- *Rowen University
- *Rutgers University
- *Spelman College
- *Stanford University
- *St. Joseph's University
- *St. John's University
- *Susquehanna University
- Swarthmore College
- Syracuse University
- *Temple University
- *Thomas Jefferson University
- Tuskegee Insitiute

*** Currently Attending**

- 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 School of the Arts
- *University of Pennsylvania
- *University of Pittsburgh
- *University of the Arts
- *University of San Francisco
- *University of the Sciences
- *Ursinus College
- *Villanova University
- *Virigina State University
- Virigina Commonwealth
- *West Chester University
- *Widener University
- *Youngstown State University

CULTURE OF EXCELLENCE

COLLEGE & CAREER READINESS

University partnerships: University of Pennsylvania, Cornell University, West Chester University, Drexel University, Jefferson Massachusetts Institute of Technology, New Jersey Institute of Technology, St. Joseph University, Temple University, Wistar Institute- and Community College of Philadelphia

Partners & Internships: 100 Black men, ACE Mentoring, Arrive Therapy, Outward Bound, Eat Right Now, First Robotics, Google, Heights Philadelphia, Inner-Strength Foundation, Mindful through Movement, Monkey and the Elephant, NASBE, NAVSEA, Network of Neighbors, Peer Group Connection, Philadelphia Financial Scholars, Prism VR, Project Home, Speak Up!, Army Corps of Engineers, World Affairs Council, Wright Now Counseling, and Young Ambassador TEchnology Exchange.

Carver HSES Annual College Day hosting 65+ colleges and universities for a fair and a college visit for all students in grades 7-10

Carver E&S Acheivements

- Recognized by U.S. News and World Report as one of the "Best High Schools in the U.S." for 2012-2024
- U.S. Department of Education National Blue Ribbon School of Excellence, 2019 Middle States Association of Secondary Schools and Colleges accreditation, "Sustaining Excellence" distinction since 2020
- Distinguished by Philadelphia Magazine as a "Best High School" in 2019-2020
- 1 of 3 Schools to earn Accelerate Philly Award for 100% Four Year Graduation Rate
- Featured on Fox29 (Kelly's Classroom) for driving innovation and engagement in Math through PrismVR (Virtual Reality) 2024
- In 2024, Carver E&S Middle School students had a 100% acceptance rate to Criteria-Based High Schools.

Award Winning Teams

- Qualified for National Competitions in Robotics, Engineering Design, Underwater Robotics (SeaPerch), Mock Trial, and Media Design
- Offer 42 Afterschool Clubs & Teams, 26 Varsity, JV, and M.S. sports teams

Athletic Program (2016-Present)

PPL Championships:

Competitive Spirit (2013, 2015, 2016, 2018-22), Boys Indoor Track (2020, 2022), Girls Indoor Track (2023, 2024), Boys Outdoor Track (2022), Girls Outdoor Track (2023) Boys Bowling (2021-2024)

PIAA District 12 Championships:

PIAA District 12 2A Champions Girls Basketball (2011& 2012), PIAA District 12 2A Singles State Champion Runner Up-Boys Tennis (2024), PIAA District 12 3A Champions), Girls Outdoor Track and Field (2024)

Division Championships:

Boys Baseball (2022, 2023), Boys Bowling (2022-2024), Girls Bowling (2022), Boys Basketball (2024), Girls XC (2023), Girls Basketball (2017, 2020)

Penn Relays 4X400 Girls Philadelphia Public High School Champions (2022, 2023, 2024)

