

Booker T. Washington Magnet High School

Goal: Booker T. Washington (BTW) Magnet High School is a college-preparatory program and center for creative excellence that engages students in four (4) magnet concentrations that focus on scholarship, the arts, innovation, and service.

Curriculum: In addition to core academic subjects, a variety of specialized programs, which are designed to engage gifted and talented students, are offered.

The four magnet concentrations include the following:

1. **The Creative and Performing Arts Center (CPAC)** offers pre-professional instruction in the arts. Component areas include Concert Band, Creative Writing, Dance (ballet, modern, jazz, tap, choreography), Drama/Theater, Musical Theater (theater, movement, dance, and vocal production), Piano, Show Band (intermediate and advanced saxophone, trumpet, trombone, piano, electric bass, electric guitar, drum set, and vocal production), Piano, Choral Music, Strings (violin, viola, cello, and bass), Technical Theater (designing, building, and operating theatrical sound and lighting equipment, constructing sets, production technique: setting up and striking equipment for all BTW performance areas), Visual Arts (drawing, painting, pottery, sculpture, and printmaking) and Photography.
2. **The Academy for Communication Arts (ACA)** provides students the opportunity to study television and radio production and print journalism.
3. **The Center for Advanced Technology (CAT)** prepares students for technical and design-related careers in information systems.
4. **The Center for Law** is designed to prepare students for careers in law through instruction provided by professionals in the legal field and internships with local attorneys, judges, and public service agencies.

Distinctive Features of the Program:

- ▣ National recognition as one of America's Innovative Schools
- ▣ Multiple Teachers of the Year and Educational Award Recipients on a state and national level
- ▣ Classified as one of America's Best High Schools by *U.S. News and World Report* and *Newsweek*, with additional academic and artistic recognitions from *Google, Inc. Business Week*, and *Redbook*.
- ▣ Five (5) National Board Certified Teachers, including BTW's Principal
- ▣ Named as a National School of Distinction, John F. Kennedy Center for Performing arts
- ▣ Extensive community partnerships and national and international guest artists and lecturers
- ▣ Graduating classes receive millions in scholarship offers each year.

Grades Served: Ninth-twelfth grades

Eligibility Criteria: Applicants must have an unweighted 2.75 GPA or better in core academic subjects (math, science, English, and social studies) for the past three semesters. Students must not have an office referral for a Class B,C, D, or E offense (or equivalent for non-MPS applicants) as defined in the *Montgomery Public Schools' Code of Student Behavior* for the past 3 semesters. Students must also complete an audition. **Selection Process:** Eligible applicants will be randomly selected.

Brewbaker Technology Magnet High School (Grades 9-12)

Goal: Brew Tech Magnet is designed to enable students to reach their full potential through a technology-infused, relevant, career-oriented curriculum meant to prepare students to successfully perform in a post-secondary environment.

Curriculum: The **Science, Technology, Engineering, and Math (STEM)** curriculum fosters creative and critical thinking skills through project-based learning. Students may choose from several career-oriented academies:

- ▣ **Information Technology Academy:** Prepares students for Local Areas Network (LAN) administration, router operation, LAN switch operation, and cyber security. Students can receive up to eight professional technical certifications.
- ▣ **Engineering Academy:** Uses Project Lead the Way (PLTW) as the basis for the program. PLTW is a hands-on, project-based engineering curriculum for high school students which focuses on Computer Aided Drawing (CAD), industrial manufacturing, robotics, and other related skills.
- ▣ **Architectural and Mechanical Design Academy:** Students experience the entire architectural and engineering processes in building design, including thinking critically about the different aspects of foundation, roof, electrical components, auto-CAD, and Inventor.
- ▣ **E-Commerce, Business and Marketing Academy:** Includes economic principles, business fundamentals, preparing business plans, business law, market research and analysis, negotiating, and understanding budgets, financial sheets, IC3 Certification and Microsoft Office Certification.
- ▣ **Medical Academy: Health Science and PLTW Biomedical:** Students develop skills relevant to careers in medicine, nursing, laboratory technology, healthcare administration, respiratory therapy, sonography, dietetics, occupational therapy, physical therapy, veterinary science, sports medicine, emergency services, and other areas of healthcare. Credentials offered include: American Heart Association Basic Life Support/AED and Patient Care Technician Certification.
- ▣ **Graphics Design Academy:** Certification in the latest software with instruction in elements and principles of design, materials, and production of all media utilized in visual communication.

Grades served: Ninth through twelfth grade.

Distinctive program features

- ▣ STEM-driven academic core for all students
- ▣ Business Industry Certified magnet instruction
- ▣ Committed industry/business partnerships
- ▣ Post-secondary scholarship search assistance
- ▣ Career-based work experiences, internships and employment

Eligibility Criteria: Applicants must have a 2.75 or better unweighted GPA in the core academic subjects (math, science, English, and social studies) for the past three semesters. Students must not have an office referral for a Class B, C, D, or E level offense (or equivalent for non-MPS applicants) as defined in the *Montgomery Public Schools' Code of Student Behavior* for the past 3 semesters. **Selection Process:** Eligible applicants will be randomly selected.

Loveless Academic Magnet Program High School

Goal: Loveless Academic Magnet Program (LAMP) High School provides highly motivated students with the opportunity to develop knowledge, creativity, and academic skills through participation in advanced studies in English, mathematics, science, social studies, foreign languages, computer science, and a wide array of interest electives.

Curriculum: The stringent college preparatory curriculum prepares students who are interested in pursuing careers in professional areas, and for admission to the most prestigious colleges in the nation. The LAMP curriculum, which includes twenty-two advanced placement courses and a variety of academic competitive teams, provides students with the opportunity to seek a superior education through intensified classroom and community experiences. A comprehensive sports program exists under the guidance of the Alabama High School Athletic Association and is based upon students' interest.

Grades served: Ninth through twelfth grade

Distinctive Program Features

- ▢ Ranked as the fifty-seventh best high school in the nation by *US News and World Report* (2017)
- ▢ Ranked as the best magnet high school in Alabama by *US News and World Report* (2017)
- ▢ Twenty-seven advanced placement courses offered
- ▢ Small class sizes
- ▢ Extensive college recruiting program
- ▢ Field study internship in areas of professional interests
- ▢ College counseling and emphasis on academic scholarships
- ▢ State-of-the-art science labs
- ▢ Nationally competitive academic teams
- ▢ Twelve National Merit Semifinalists in 2017
- ▢ Thirteen nationally commended students by the National Merit Scholarship Cooperation in 2017
- ▢ Forty AP Scholars in 2017
- ▢ Twenty-nine AP Scholars with Honor in 2017
- ▢ Thirty-six AP Scholars with Distinction in 2017
- ▢ Five National AP Scholars in 2017
- ▢ Scholarship offers in 2017 exceeded \$17 million

Eligibility Criteria: Applicants must have completed Algebra I before ninth grade, and must have an unweighted 3.0 GPA or better in the core academic subjects (math, science, English, and social studies) for the past three semesters. Students must not have an office referral for a Class B, C, D, or E level offense (or equivalent for non-MPS applicants) as defined in the *Montgomery Public Schools' Code of Student Behavior* for the past 3 semesters. **Selection Process:** Eligible applicants will be randomly selected.