

OTHER EDUCATIONAL FACILITIES

ALTERNATIVE EDUCATION PROGRAMS

Montgomery County Public Schools operates a program that supports students in Grades 6–12. The program is intended to support students who have been unsuccessful in their home schools for a variety of reasons. These reasons include behavior and/or attendance problems, as well as involvement in a serious disciplinary action that warrants a recommendation for expulsion and placement by the Office of the Chief Operating Officer in lieu of expulsion. AEP strives to provide positive and effective educational supports and services that address the academic, social, emotional, and physical health of adolescents.

In addition, the AEP provides a 45-day Interim Placement Program that serves students in Grades 6–12 receiving special education services. Students are placed in the program after a central office review and as a result of their involvement with controlled substances, serious bodily injury, and/or weapons. Students remain enrolled in their home school and the home school provides daily assignments and assessments.

The 2018–2019 school year will focus on rolling out a comprehensive behavioral management plan to better individualize the needs of our students.

Blair G. Ewing Center

Capital Project: To support the redesigned program, the Board of Education directed staff to explore several studies for Alternative Education Programs at the Blair G. Ewing Center. These studies included:

- A feasibility study for the redesigned Alternative Education Programs at the Blair G. Ewing Center;
- A conceptual review of several other possible locations for the Alternative Education Programs including the English Manor Elementary School site, other closed schools and Board of Education property, and the current site of Rock Terrace School; and Commercial locations.

Based on the review of these studies, the Board of Education approved that Alternative Education Programs at the Blair G. Ewing Center be relocated to the Rock Terrace School site beginning in September 2022. In order for this project to be completed on schedule, an FY 2018 appropriation for facility planning is approved for a feasibility study to determine the scope and cost to relocate the project to the Rock Terrace School site. The Board of Education requested CIP included a one-year expenditure shift of construction funding to align with the availability of the Rock Terrace facility once the Rock Terrace School is relocated with the collocation of Tilden Middle School in September 2020.

CAPITAL PROJECTS

| School | Project | Project Status* | Date of Completion |
|-----------------------|--------------------------------------|-----------------|--------------------|
| Blair G. Ewing Center | Relocate to Rock Terrace School site | Programmed | Sept. 2022 |

*Approved—Project has an FY 2019 appropriation for planning or construction funds approved in the FY 2019–2024 CIP.

*Delayed—Project has expenditures approved in the FY 2019–2024 CIP but the completion date was delayed by one year.

*Programmed—Project has expenditures programmed in a future year of the CIP for planning and/or construction funds.

*Proposed—Project has facility planning funds approved for a feasibility study.

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ENVIRONMENTAL EDUCATION CENTER

Lathrop E. Smith Center

The Lathrop E. Smith Center is owned and operated by Montgomery County Public Schools and hosts the Outdoor Environmental Education Programs (OEEP) that includes the Grade 6 residential program and Grades K–5 day program. OEEP provides outdoor learning experiences through the MCPS curriculum that increase students’ environmental content and science process knowledge; nurture awareness, appreciation, and stewardship for the natural environment; and build the capacity of Grades K–12 MCPS educators to teach environmental education, while encouraging the use of the outdoors as a science classroom.

All Grade 6 students in MCPS participate in a three-day, two-night residential outdoor environmental education program that is part of the curriculum. While in residence, students study various aspects of the local watershed through participation in outdoor field investigations that teach MCPS curriculum and address the MSDE environmental education standards. The teaching and learning that occurs at school and during the residential program create a meaningful watershed environmental experience for each Grade 6 student, and culminates in an environmental student service learning project. Their teachers, who, in collaboration with an OEEP staff member, provide instruction and supervision during their stay, accompany students.

The day program primarily serves students in Grades K–5. Each field investigation is directly linked to the school curriculum at each grade level with a focus on science and the environment. Schools also may request an in-school visit from an environmental educator to provide assistance and guidance in the integration of environmental education at the local school site. The center also provides professional development after school and in the summer to more than 300 teachers in the content and pedagogy of environmental education.

Facility Characteristics of Schools 2017–2018

| Schools | Year Facility Opened | Year Reopened/ Revitalized | Total Square Footage | Site Size Acres | Adjacent Park | Reloc- atable Classrooms | County Programs | Home School Model |
|---------------------------|----------------------|----------------------------|----------------------|-----------------|---------------|--------------------------|-----------------|-------------------|
| Thomas Edison HS of Tech. | 1982 | | 114,310 | 28.2 | Yes | | | |
| Blair G. Ewing Center | 1970 | | 85,400 | 22.5 | | | | |
| Lathrop E. Smith Center | | | 20,345 | 9.78 | Yes | 2 | | |

Career Technology Education Programs

Career and Technology Education (CTE) Programs of Study (POS) prepare students for college, careers, and lifelong learning. Montgomery County Public Schools currently offers College/Career Research Development in addition to over 34 POS organized within the following 11 career clusters:

- Arts, Humanities, Media, and Communications;
- Biosciences, Health Science, and Medicine;
- Business Management and Finance;
- Construction and Development;
- Education, Training, and Child Studies;
- Engineering, Scientific Research, and Manufacturing Technologies;
- Environmental, Agricultural, and Natural Resources;
- Human and Consumer Services, Hospitality, and Tourism;
- Information Technology;
- Law, Government, Public Safety, and Administration; and
- Transportation, Distribution, and Logistics.

Plans are in place to increase the number of POS offered by MCPS to include programs such as Homeland Security, Cyber Security, and Teacher Academy of Maryland. Over 13,000 MCPS students are enrolled in at least one CTE POS pathway course at comprehensive high schools throughout the county or at Thomas Edison High School of Technology (TEHST). CTE POS focus on challenging and engaging instruction that provide academic and technical knowledge and skills and prepare students for college and careers. Most POS provide opportunities for students to earn college credit through college courses or articulation agreements with select postsecondary institutions. These agreements allow students to earn college credit for identified high school courses that are successfully completed with a grade of 'B' or better. Internship experiences connect students with the world of work, enhancing the rigor and relevance of the POS. Students take and pass industry credentialing examinations in areas such as automotive, business, child care, computer science, cosmetology, fire science and medical professions.

There are regional hubs, like the TEHST location, that give students from all high schools equitable access to select POS. Students report to the identified location for half a day and spend the other half of the school day at their home high school. To ensure relevance to college and industry, CTE staff members have established a Program Advisory Committee (PAC) for each career cluster. The PAC includes representatives from the business community and secondary and postsecondary institutions. PACs strive to provide seamless experiences for students as they move from middle school to high school and postsecondary experiences.

Foundations Office Programs

The Montgomery County Student Trades Foundations Office serves as a liaison between the business/professional community and MCPS, and currently supervises 24 Programs of Study (POS) within MCPS. These collaborative programs offers students state-of-the-art technology and supports education and training in a full range of CTE programs of study. The Foundations Office manages programs for three separate foundations, computer science system-wide, STEM-related courses, the CREA programs, and other CTE-related programs as follows.

Foundations programs include automotive trades (ATF), construction trades (CTF), and information technology (ITF) with hands-on learning and entrepreneurial experiences through student-run businesses. The ATF operates a mini car dealership with automotive technology and auto body programs. The CTF operates a design/build business which constructs a single-family house with crafts learned in carpentry, electricity, plumbing, masonry, and HVAC. The ITF runs a computer repair business using skills from the Network Operations program. All foundation program students have opportunities to earn industry credentials, workforce skills, articulated college credits, and advance placement with local colleges. The local business partnerships ensures that all stakeholders monitor and invest their resources to promote the effectiveness of the programs.

The Foundations Office also manages all computer science programs K-12 within MCPS, which includes Code.org, Academy of Information Technology, Cisco Networking Academy, and Pathways in Network and Information Technology (P-Tech). Most of these technology programs are available in every high schools and most middle schools, and are aligned with national partners and/or academies. A new senior capstone course to complete the Computer Science/Code.org POS is being developed for 2018-2019 at Thomas Edison High School to prepare students for a rewarding career in the Cybersecurity industry. Also new for 2018-2019, the P-Tech program is offered at Clarksburg High School as a dual-enrollment focusing on STEM with the goal of earning an A.A.S. degree from Montgomery College while still in high school.

The Career Readiness and Education Academy (CREA) provides a supportive alternative pathway for English Language Learners who are unlikely to meet graduation requirements prior to aging out of the school system at 21. This program, managed by the Foundations Office, will transition to a full day program in addition to an evening program in 2018-2019. CREA students participate in career pathway classes in Foundations of Construction, Automotive Technology, Hospitality & Tourism, Restaurant Management, and Child Development. Academic classes to improve math and literacy skills are also included in preparation for the GED.

All STEM-related CTE programs including, Project Lead the Way engineering, Academy of Health Professions and Bio-

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sciences, Horticulture & Environmental programs, and Aviation are also under the umbrella of the Foundations Office. The Foundations Office has led the way to provide MCPS students the opportunity to participate in aviation courses offered at Magruder High School to earn a pilot's license or an unmanned aircraft certification. Certified Professional Horticulturist opportunities are available from Sherwood, Damascus, and Clarksburg high schools, and collaborate with the CTF program to landscape the student-built house.

Seneca Valley High School is in the midst of being revitalized and expanded to become an Upcounty Career Center, and will house the Foundations Office programs of Automotive Technology & Dealership Training, Cisco Academy, and the AOIT offerings of Programming, Networking, and Information Resource Design.

Regardless of the career path, the Tech-Ed credit is required for all MCPS graduates. The Foundations Office ensures that students have access to options at all high schools to meet the state-mandated requirements.

Thomas Edison High School of Technology

Planning Study: Wheaton High School and Thomas Edison High School of Technology (TEHST) were located on the same site and shared one facility. These schools are in the process of undergoing a revitalization/expansion projects.

Prior to the start of construction on Wheaton High School, two major planning studies were conducted to prepare for the revitalization/expansion projects of these schools. During fall and winter 2010–2011, a Roundtable Discussion Group, with broad stakeholder involvement, met to explore various approaches for the future relationship between the two schools. Following the Roundtable Discussion Group review, the Board of Education took action on March 28, 2011. The decision was to maintain the two schools as two separate entities. Staff conducted a feasibility study and reviewed two options—a one-building option and a two-building option. At the conclusion of the feasibility study, on September 13, 2011, the Board of Education adopted a two-building option for the revitalization/expansion projects of Wheaton High School and Thomas Edison High School of Technology.

Capital Project: The Wheaton High School facility project was completed in January 2016. The Thomas Edison High School of Technology facility will be complete in September 2018 and the entire site will be restored by September 2019.

Capital Project: On September 22, 2014, the Board of Education approved a plan to offer a financial literacy program at Thomas Edison High School of Technology to all Grade 7 students in Montgomery County Public Schools (MCPS). An agreement between MCPS and Junior Achievement of Greater Washington was reached to proceed with the construction of a Junior Achievement Finance Park at Thomas Edison High School of Technology. A fourth floor will be added to Thomas Edison High School of Technology to accommodate

the Junior Achievement Finance Park. Grade 7 students not only will benefit from the lifelong knowledge and skills gained at Junior Achievement Finance Park, they also will have the opportunity to learn about the exciting programs available at Thomas Edison High School of Technology.

The Junior Achievement Finance Park experience begins in the classroom with four weeks of classroom curriculum and culminates with a day at the Junior Achievement Finance Park. At Junior Achievement Finance Park, students immerse themselves in a reality-based, decision-making process that addresses aspects of individual and family budgeting—housing, transportation, food, utilities, health care, investments, philanthropy, and banking. The on-site activities are designed to allow students the opportunity to “put into action” what they learned in the classroom and to understand the basic steps of maintaining a realistic personal budget. Two weeks of classroom follow-up activities will allow students to use their new financial knowledge to explore career options and to set future goals.

Junior Achievement of Greater Washington has agreed to contribute up to \$2,500,000 for the construction of the Junior Achievement Finance Park. An FY 2015 supplemental appropriation was approved for the amount of \$2,500,000 to be expended over a period of three fiscal years. The scheduled completion date for the Junior Achievement Finance Park will coincide with the completion of Thomas Edison High School of Technology, in September 2018.

CAPITAL PROJECTS

| School | Project | Project Status* | Date of Completion |
|--------------------------------|--|-----------------|--|
| Thomas Edison HS of Technology | Revitalization/expansion and Junior Achievement Finance Park | Approved | Sept. 2018, Building Sept. 2019, Site |

*Approved—Project has an FY 2019 appropriation for planning or construction funds approved in the FY 2019–2024 CIP.

*Delayed—Project has expenditures approved in the FY 2019–2024 CIP but the completion date was delayed by one year.

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*Proposed—Project has facility planning funds approved for a feasibility study.

Holding Facilities

Holding facilities are utilized for capital projects, such as revitalization/expansion projects and large-scale addition projects, to house students and staff during construction. By relocating students and staff to a holding facility, MCPS is able to reduce the length of time required for construction and provide a safe and secure environment for the students and staff. Currently, MCPS utilizes the following facilities as holding schools for revitalization/expansion projects and large-scale addition projects.

Elementary School Holding Facilities

- Emory Grove
- Fairland
- Grosvenor
- North Lake
- Radnor

Secondary School Holding Facilities

- Broome Holding Facility

Capital Project: The Broome facility is currently owned by Montgomery County. Although FY 2015 expenditures for planning funds were programmed to reopen the facility for use as a middle school holding facility, due to fiscal constraints in the county, these funds have been deferred until a recommendation can be made in a future CIP.

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Holding Facility Schedule

| Holding Facility | SY 17-18 | SY 18-19 | SY 19-20 | SY 20-21 | SY 21-22 | SY 22-23 | SY 23-24 |
|------------------------------------|------------------|----------------------------|----------|----------|----------|----------|----------|
| ELEMENTARY SCHOOLS | | | | | | | |
| Emory Grove Center | | | | | DuFief | | |
| Fairland Center | | | | | | | |
| Grosvenor Center | | Luxmanor | | | | | |
| North Lake Center | Lucy V. Barnsley | Maryvale | | | | | |
| Radnor Center | | Potomac | | | | | |
| MIDDLE SCHOOLS | | | | | | | |
| Tilden Center/ Woodward Center* | | To be revitalized/expanded | | | | | |

* Tilden Middle School is currently located in the Woodward Center. A revitalization/expansion for Tilden Center is scheduled for completion in September 2020, which will house Tilden Middle School and Rock Terrace School. Based on the Board of Education action on November 21, 2016, there are plans to reopen Woodward High School to address the space deficits at Walter Johnson High School and surrounding high schools in the Downcounty Consortium.

The Revitalization/Expansion program is under review in order to develop a multi-variable approach to determine the priority order of large-scale renovations of facilities, possibly including programmatic and capacity considerations. Recommendations regarding possible changes to this program will be released once the review is complete.

Facility Characteristics of Schools 2017-2018

| Holding Facility | Level | Facility Address | Rooms | Total Square Footage | Site Size Acres | Reloc-atable Classrooms |
|--------------------|------------|-----------------------------|-------|----------------------|-----------------|-------------------------|
| Emory Grove Center | Elementary | 18100 Washington Grove Lane | 19 | 45,002 | 10.17 | 18 |
| Fairland Center | Elementary | 13313 Old Columbia Pike | 26 | 45,082 | 9.21 | |
| Grosvenor Center | Elementary | 5701 Grosvenor Lane | 19 | 36,770 | 10.21 | 17 |
| North Lake Center | Elementary | 15101 Bauer Drive | 22 | 40,378 | 9.66 | 21 |
| Radnor Center | Elementary | 7000 Radnor Road | 16 | 36,663 | 9.03 | 23 |
| Tilden Center | Middle | 6300 Tilden Lane | 39 | 119,516 | 19.7 | |