

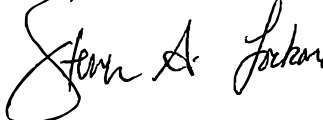
Capital Improvement Program



December 15, 2016

MEMORANDUM

TO: School Board

FROM: Steven A. Lockard, Ph.D. 

SUBJECT: Capital Improvement Program – FY 2018 – FY 2022

I am pleased to submit to you the proposed *Capital Improvement Program (CIP) for the Fiscal Years 2018-2022*.

Since SY 2008-09, student membership in Fairfax County Public Schools (FCPS) has grown by an average of 2,400 students each year for a total membership growth of more than 21,000 students. This year, the total September 30th membership grew by 1,368 students for a total membership of 187,202 students. This is one of the smallest membership increases Fairfax County Public Schools has experienced in more than eight years. This year's contracted growth was due to a decrease in entering kindergarten cohorts and a decline in net migration. These indicators have led to a five-year forecast that continues to project overall membership growth at a moderate rate. The five-year CIP horizon forecasts approximately 190,600 students by school year 2021-22.

Demographic growth and shifts, especially increasing Hispanic student populations, comprised a large part of the growth in membership this year. FCPS may be nearing or have passed a relative membership peak in the early elementary grades and overall elementary school membership is projected to slightly decline each year over the next five years. However, due to cumulative growth in elementary schools since the 2007-08 school year, middle and high school memberships are projected to experience growth. The five-year membership projections show moderated growth in total memberships well beyond the 2021-22 school year, with much of the growth occurring in middle and high school levels.

These new trends of growth are inconsistent across the county and continue to present a facilities capacity challenge. The school system struggles to provide sufficient capacity in our schools. Despite the planned additional capacity intended to address projected needs, uneven membership growth throughout the county will necessitate the continuation of small- and large-scale boundary adjustments to take advantage of available capacity whenever it is practicable to do so.

The capital funding stream shown in the FY 2018 – FY 2022 CIP reflects \$310 million approved by county voters in the 2015 School Bond Referendum. This funding will allow the planning of one new elementary school, construction of one high school addition, the relocation of three modular additions, renovation of six elementary schools and two high schools, along with renovation planning of three elementary schools and two middle schools.

Funding for capital improvement projects is currently limited by a \$155 million yearly cap on school bond sales. Providing the additional new schools and capacity enhancements required to accommodate membership growth will cause delays in the schedule of many future renovation projects. The School Board and Board of Supervisors has formed a committee to study ways to solve the long renovation cycle of our schools due to the limited capital funding available. The Infrastructure Finance Committee recognized that the bond items which pertain to replacement of key infrastructure such as roofs, parking lots, and mechanical systems was delaying the implementation of school renovations. Beginning in SY 2015-16, the Board of Supervisors began transferring an additional \$13.1 million to FCPS to offset the infrastructure replacement, benefiting renovation projects in the near future.

Project costs have also been updated in this document to reflect those currently being experienced. As a result, the FY 2018 – FY 2022 five-year capital requirement totals approximately \$824 million or roughly \$164 million per year. The five-year requirement represents roughly 51% of the \$1.6 billion total CIP cost for FY 2018 – FY 2027. Funds approved in the 2015 School Bond Referendum and previous referenda will address approximately \$385 million of the five-year requirement leaving a balance of \$439 million unfunded. We anticipate the next bond referendum in the fall of 2017.

Capital improvement requirements for the ensuing five-year period (FY 2023 through FY 2027) have been included to conform to Fairfax County's CIP format. Approximately \$793 million in capital project requirements are included within this out-year time frame.

We continue to provide additional information to the CIP to assist readers in understanding our long term goals as we continue to contend with changing demographics and limited capital funding. This version of the CIP includes potential capacity and capital solutions to schools which are currently or projected to be over-capacity. The intent of the solutions was to provide relief through surplus capacity at adjacent facilities as well as taking advantage of projects which have already been identified in previous versions of the CIP. We have also included maps of our surplus properties and former schools which may ultimately be part of capital solutions in the future.

SAL/kv
Attachment

cc: Leadership Team

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Staff acknowledges and thanks the Facilities Planning Advisory Council (FPAC) for their contributions to the preparation of the FY 2018-22 Capital Improvement Program.

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Additional information about FPAC may be found at their web page:
<https://www.fcps.edu/committee/facilities-planning-advisory-council>

The FY 2018-22 Capital Improvement Program book is made possible thanks to the contributions of the Office of Communication and Community Relations.

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Summary Highlights



Keene Mill Elementary School

The FY 2018–22 Capital Improvement Program (CIP) updates and builds upon the previously approved program of capital expenditures. The CIP project schedule assumes continuation of an annual expenditure limit of \$155 million imposed by the Fairfax County Board of Supervisors. School construction projects approved in the November 2015 School Bond Referendum are included in this CIP as funded projects.

The following summarizes the proposed FY 2018-22 CIP and the important assumptions upon which it is based:

Although the overall population of Fairfax County is projected to continue to grow in the future, the school system is facing new indicators that differ from the past. For CIP purposes, between SY 2008-09 and SY 2013-14, student membership in Fairfax County Public Schools (FCPS) grew by an average of 3,000 students each year. Yet membership in SY 2014-15 only grew by 2,000 students and SY 2015-16 saw a membership growth of 223 students. This year, FCPS experienced a growth of 1,368 students. The recent decline in growth is caused by a variety of factors such as smaller entering kindergarten cohorts and a decline in net migration. Future student membership growth is projected to be slowing in the years ahead. Over the five-year CIP horizon, membership is projected to increase by 3,400 students by 2021-22.

Additionally, while new housing had been one of the primary sources of growth within FCPS during the 1980s and 1990s, newly completed housing declined numerically during the economic downturn. As the county approaches build-out, new housing is forecast to rise numerically in units, but its composition is likely to change. Forecasts of housing in Fairfax County and City of Fairfax include larger numbers and proportions of mid- and high-rise residential developments, which

have typically drawn fewer families with school-aged children. Anticipation and completion of the Silver Line Metro has already spurred higher density residential growth along that corridor. This new residential growth, along with potential changes in families residing within existing residential areas adjacent to that corridor, may, in part, result in an increase in students within FCPS schools.

Despite the planned additional capacity intended to address current and projected needs, uneven membership growth throughout the county will necessitate the continuation of boundary adjustments to take advantage of available capacity whenever it is practicable to do so.

The CIP proposes construction of a new high school in the western area of the county to provide capacity relief for high schools in the Centreville, Chantilly, Herndon, Oakton, South Lakes, and Westfield areas. It also proposes new school construction of three elementary schools: one in the Richmond Highway Corridor; one in the northwest area of the county to address current overcrowding in the Coates and McNair Elementary schools' areas; and one to relieve overcrowding in the Fairfax/Oakton area. Capacity enhancement additions are needed at South Lakes High School, West Potomac High School, Stuart High School, and Madison High School to accommodate forecasted capacity needs. The relocation of three modular additions is also proposed to provide additional capacity relief to schools in need. Renovations of 21 named elementary schools and 11 unnamed elementary schools, four named middle schools and one unnamed middle school, and five named high schools and one unnamed high school are also included in the CIP. Lastly, the CIP proposes expenditures for the acquisition of a future high school site.

The school renovation program is based upon several criteria, compiled and referred to as the renovation queue. The current renovation queue was approved by the School Board in January of 2009 and established the order in which schools would be renovated, as evaluated and ranked by an independent architectural and engineering firm. Due to the continuing increase in student membership, it should be noted that the construction of new capacity, whether it is a new school or addition, could adversely impact the timing of some renovation projects. To the extent known, any such delays are shown in this year's CIP. Although construction costs are rising, the increases will be offset by additional funding approved by the Board of Supervisors to cover infrastructure replacement costs.

This document provides advance notice to school communities about capital projects and/or possible boundary adjustment options/program changes over the next five years. The region summaries include maps reflecting capacity utilizations and recommendations for student accommodations. An alphabetical listing of all schools and a glossary of commonly used terms have been included in the CIP to show important facility and feeder school information.

Based on feedback received from the Facilities Planning Advisory Council (FPAC) and questions from the community, this year's CIP builds on changes made last year in the organization and presentation of information. New charts, maps, and graphs have been added to further explain information that is relevant to capital planning. The purpose of the enhancements is to help readers gain a comprehensive understanding about the various factors which inform decision-making. Each year, the Capital Construction Cash Flow is updated, along with recommended options to maximize capacity for student growth and program changes.

Recommended boundary adjustment options and program changes are included in the CIP for future consideration only. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policies and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

For more information about facility needs:
<http://www.fcps.edu/fts/planning/cip.shtml>.

Important Note

The FCPS FY 2018-22 Capital Improvement Plan (CIP) is a planning and fiscal management tool used to coordinate the location, timing, and financing of projects over a five-year period. The CIP includes the proposed capital improvement projects, a year-by-year schedule of anticipated spending, and actual and estimated costs. The CIP is a working document which is updated annually to reflect changing conditions within our schools and communities. Additionally, it offers a broader planning schedule in order to focus staff efforts and community conversations. FCPS faces significant capacity challenges which will require strategic decisions about boundaries, capacity enhancements, new schools, and programmatic changes. Parallel work is also underway to design a new, more systematic approach to future decision-making processes that impact facilities planning.

Capital Improvement Program Overview

Introduction

The Capital Improvement Program (CIP) document reflects information gathered from a number of different sources. In addition to updating and building upon last year's approved CIP, it includes current student membership data and capital facilities data. The CIP also reflects Fairfax County Public Schools' School Board Policies and Regulations, proposed Guiding Principles, funding sources, and many other components associated with the capital program.

Various funding sources impact the life cycle of school facilities. Bond funding is used for capital projects. This includes funds for building new schools, renovations, additions (including brick and mortar additions and modular additions), and for site acquisition. The FCPS operating funds provide \$2.4 million towards capacity enhancements such as interior modifications and temporary classrooms to accommodate membership growth and programs. In addition, approximately \$10 million is allocated annually for routine and major maintenance of our schools, centers, and administrative facilities. Lastly, the Fairfax County Board of Supervisors contributes \$13.1 million for infrastructure management which includes repairs, replacement, and upgrades in school system facilities such as HVAC, ADA, security, roof replacement, athletic infrastructure, life safety systems, and asphalt paving.

The Present Environment

FCPS continues its commitment and dedication to providing high quality education while managing competing needs for its limited funding for operating and capital expenses. The increase in operational expenses caused by membership growth, changing demographics, competitive salary requirements, instructional program enhancements, special services' requirements, and transportation costs, place an additional burden on revenues received, even with moderately increased local funding. The need to increase capacity results in increased capital funding needs that currently outpace the county debt cap, which is necessary to maintain Fairfax County's exceptional bond ratings. In short, funding is insufficient for new construction, renovations, and maintenance. Furthermore, fiscal constraints on operations and maintenance budgets and fixed capital investment funds hinder FCPS' ability to effectively manage its resources. Deferred maintenance has a snowballing effect that is difficult to overcome.

Inadequate maintenance results in the unsatisfactory condition of many facilities. The challenges are many and growing, for example:

- Membership has continued to increase in both the general education and the special program areas, leading to a need for additional school capacity. Total countywide membership is projected to exceed total program capacity within the decade.
- Over the past 25 years, the number of students requiring special services (e.g., Special Education, English for Speakers of Other Languages) has grown. To accommodate the needs of these children, extra teaching space is required—space requirements that were not anticipated when many schools were initially constructed.
- Some programs decrease design capacity. From this, FCPS calculates a program capacity for each school based on its unique program accommodation needs such as those for students with autism or for advanced academics programs.
- Economic conditions in the early 1990s and the late 2000s have resulted in extraordinary—and potentially unsustainable—cuts to the budget for facility repair and maintenance functions. Cuts made decades ago were never restored and have been compounded by more recent reductions. In 2012, Facility Engineering Associates evaluated the Office of Facility Management and detailed a critical shortfall of staff in the office as a result of repeated budget cuts. While increasing staff has been a priority of the office, continued budget shortfalls have deferred this effort.
- FCPS is limited in its capital spending by \$155 million per year for bonded indebtedness. This amount is insufficient based on the size of the capital infrastructure to create space for increased student population and to renovate or replace buildings and equipment reaching the end of useable life cycles. This problem is exacerbated by the hundreds of millions of dollars in the facility renovation backlogs caused by these limitations.
- Maintenance of facilities that focuses resources on reactive, rather than proactive or preventive maintenance, leads to overall degradation of facilities.
- Insufficient dedicated, secure, and carefully placed school bus parking sites and lack of depots.
- The county is becoming more urbanized, limiting the availability of large plots for new schools. Traditional school designs are no longer practical in many situations.

Challenges

FCPS is faced with a number of challenges that directly impact its ability to accommodate students in its facilities. In particular, the shifting of densely populated areas due to changing demographics has led to an imbalance of available space and student population. These demographic shifts, coupled with funding limitations, have led to:

- The operation of many individual schools at far greater than 100 percent of program capacity with other schools operating below 85 percent of program capacity.
- The use of more than 800 temporary classroom spaces located in trailers to accommodate capacity needs.
- The undertaking of multiple school boundary studies, a process which attempts to address utilization disparities.
- Cohorts of some elementary and/or middle schools who find themselves in “split feeders” attending two or three different middle and/or high schools.
- An ever-increasing renovation queue, with more schools exceeding the School Board 20- to 25-year renovation cycle.
- A need to plan for, design, and operate urban schools and to co-locate schools with other urban uses, such as parks, libraries, or within urban residential/commercial buildings.

In the final analysis, FCPS facilities are designed to support the educational programs for our students, and are funded by the CIP and the annual operations and maintenance budgets. The CIP and supporting documents are designed to help the School Board focus on critical facility issues, with the goal of ensuring that all students have a high quality facility that enables and enhances their education. Addressing these challenges will require trade-offs. Increasing memberships and the locations of educational programs drive the need for additional capacity. FCPS’ aging facility infrastructure requires maintenance, renovation, and eventual replacement. Budgetary and financial constraints limit what can be done. Therefore, FCPS must continue to explore new and creative ways of expanding the use of its facilities while seeking additional funding authority.

The Capital Improvement Program

Each year, FCPS develops a five-year planning document known as the Capital Improvement Program (CIP) to address future facility needs. The CIP lists all projects managed by the school system’s Office of Design and Construction. Capital improvements are funded through the sale of school bonds, which must be approved by a majority of voters. The CIP list includes projects that are funded from prior bond sales as well as projects that are unfunded. The unfunded projects reflect planning for identified needs, which will be included in future bond referenda. The actual timing for capital project starts and completions is largely dependent on the Capital Construction Cash Flow and debt service, which are governed by the Board of Supervisors.

The CIP guides the development of construction funds to ensure:

- efficient and effective use of FCPS-owned facilities
- classroom capacity and infrastructure meet instructional program and community needs
- facility needs are met equitably across the county

As a planning document, the CIP is not static. Every year, FCPS evaluates the capacity and effective building utilization of each school. The CIP adjusts to shifts in student population and the needs of the community as they become more defined and as projects move closer to implementation. A key element of the CIP is planning for the Capital Construction Cash Flow to fund these projects while working within Fairfax County’s debt service and capital spending limitations. The CIP Capital Construction Cash Flow has been predicated on 4 percent to 6 percent cost increases for future fiscal years. Increases in construction market pricing, coupled with CIP initiatives providing additional capacity to accommodate membership increases, could result in some timing delays of school renovation starts. As membership growth drives the demand for more capacity, the Capital Construction Cash Flow may increasingly shift away from renovations, potentially increasing the time a school community may have to wait for their school renewal.

Essential Operational Planning Documents

The following key documents articulate FCPS' mission and vision. These documents are interrelated; together, they provide the blueprint for planning the business operations that guide the actions of all departments.

Portrait of a Graduate (POG)

Portrait of a Graduate encompasses all that we want our students to be. The FCPS graduate will engage in the lifelong pursuit of academic knowledge and interdisciplinary learning by being a communicator, a collaborator, an ethical and global citizen, a creative and critical thinker, and a goal-directed and resilient individual.

FCPS Strategic Plan: Ignite

The Strategic Plan represents the cooperative work of the School Board and Leadership Team to create a long term strategic plan for Fairfax County Public Schools. The School Board approved four strategic goals: student success, caring culture, premier work force, and resource stewardship.

Strategic Governance Manual (SGM)

The Strategic Governance Manual outlines a governing process that allows the School Board to exercise its responsibilities in a manner that assures that the staff, under the authority of the Superintendent, has the freedom and authority to do its work without interference but also has full accountability for the results of its decisions.

Fairfax County Comprehensive Plan (FCCP)

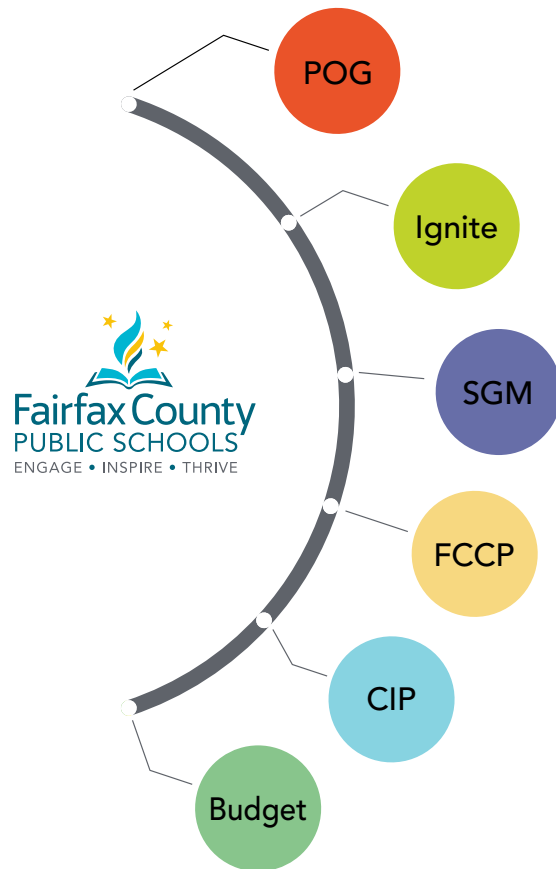
Fairfax County's Comprehensive plan guides the County government in decision-making about the built and natural environment. It is a dynamic document which is used by the Board of Supervisors, the Planning Commission, county staff and the public to guide land use, transportation and public facility decision making. Based on the information it provides, the CIP considers the effect of development on the school system.

Capital Improvement Program (CIP)

The CIP is used as a basis for determining the timing and size of proposed bond referenda to be placed before the voters of Fairfax County. The primary source of funding for school construction projects is the sale of bonds authorized by the voters in these referenda. It is updated annually and contains a five-year forecast.

Budget

The budget process begins in January with the Proposed Budget, which details projected revenue and



expenditures. After the Proposed Budget is released, public hearings are held and the School Board has the opportunity to make changes. That amended budget, called the Advertised Budget, is submitted to Fairfax County for incorporation into the County's Advertised Budget. Once revenue for the coming year is known, including the direct funding from the County that comprises over 71 percent of FCPS funding, the School Board works with employees and citizens to finalize the budget. This finalized budget is passed in May as the Approved Budget, and details the revenue and expenditures for the next fiscal year.

Regulation Framework

Guiding Principles

The following guiding principles have been proposed to frame the decisions within the Capital Improvement Program (CIP). These principles will be revisited with each new CIP to ensure that they are consistent with FCPS School Board Policies and Regulations, along with the needs of the community.

It is important to maintain strong, connected school communities and community/neighborhood schools that are safe and conducive to learning for all students. The following statements are meant to provide a context for decisions impacting the division's capital needs so that we are maximizing limited capital resources and supporting quality educational spaces. Each school and each school community has its own unique needs, thus these statements may not be applicable or appropriate in all circumstances.

- Unique program offerings should be made available in all division pyramids in order to keep students within their zoned pyramid throughout their K-12 experience, where conditions are conducive to program needs.
- Alleviate attendance islands where possible.
- In order to address overcrowding in some schools, utilize existing and/or projected surplus capacity in nearby schools by redrawing boundaries.
- When renovating small schools, add additional capacity to stated division standards.
- Repurpose existing inventory of school facilities not currently being used as schools to address capacity challenges.
- In order to maximize limited capital monies, only construct new schools where surplus capacity or existing school inventory are not available.
- Community engagement and transparency are essential parts of the process. With any major capital improvement project, the community impacted by the project will be actively engaged as per FCPS School Board Policies and Regulations.
- Providing a diverse student population in each school is important in enhancing learning opportunities.

Policies and Regulations

Fairfax County Public Schools maintains policies, regulations, and notices that guide expectations related to the Capital Improvement Program. Policies are officially adopted School Board positions and specifications. Regulations are procedures and rules for the implementation of policy positions and guidelines

that are approved by the division superintendent or designee. Finally, notices contain information about yearly or one-time occurrences of short duration. Notices are approved by the division superintendent or designee, and are reissued, not revised. For more information about FCPS policies and regulations, visit <https://www.fcps.edu/about-fcps/policies-regulations-and-notices>.

NUMBER	SERIES	CATEGORY AND TITLE	PURPOSE
Policy 8110	Facilities and Transportation Services	Facilities Planning Five-Year Capital Improvement Program Planning	To establish procedures for five-year capital improvement program planning.
Regulation 8110	Facilities and Transportation Services	Facilities Planning Five-Year Capital Improvement Program Planning	To establish responsibilities and the calendar for capital improvement program (CIP) planning.
Policy 8120	Facilities and Transportation Services	Facilities Design and Construction School Program	To prescribe steps to be followed in school planning.
Regulation 8120	Facilities and Transportation Services	Facilities Design and Construction Educational Specifications	To designate the groups responsible for the development of educational specifications for school buildings.
Policy 8130	Facilities and Transportation Services	Facilities Planning Local School Boundaries, Program Assignments, and School Closings	To describe the authority of the School Board to determine the assignment of students to schools and programs, to close schools and programs where appropriate, and to define the considerations and procedures for such determinations.
Regulation 8130	Facilities and Transportation Services	Facilities Planning Local School Boundaries, Program Assignments, and School Closings	To provide specific guidance for implementing the current version of Policy 8130, Local School Boundaries, Program Assignments, and School Closings.
Regulation 8320	Facilities and Transportation Services	Facilities Design and Construction Site Acquisition—Procedures	To establish procedures for site and building acquisition.
Policy 8170	Facilities and Transportation Services	Facilities Planning Naming School Facilities and Dedicating Areas of School Facilities or Grounds	To establish guidelines for the naming of school facilities and the permanent dedication or naming of areas of school facilities or grounds to honor individuals or for assigning naming rights for portions of school facilities in order to recognize private or corporate entities that make a significant contribution to benefit Fairfax County Public Schools.
Policy 8210	Facilities and Transportation Services	Facilities Design and Construction Management Responsibility—Capital Improvements	To establish management responsibility for capital improvements.
Policy 8230	Facilities and Transportation Services	Facilities Design and Construction School Design	To establish procedure to be followed for school design.
Regulation 8230	Facilities and Transportation Services	Facilities Design and Construction School Design—Guidelines	To establish guidelines to be followed with regard to school design.
Policy 8310	Facilities and Transportation Services	Facilities Design and Construction Site Planning and Development	To establish procedures for site planning and development.

Regulation Framework (Continued)

NUMBER	SERIES	CATEGORY AND TITLE	PURPOSE
Policy 8320	Facilities and Transportation Services	Facilities Design and Construction Site and Building Acquisition	To establish a policy for school and building site acquisition.
Regulation 8270	Facilities and Transportation Services	Facilities Design and Construction Capital Outlay and Facilities Improvements	To prescribe procedures to be followed by a program manager to initiate additions to, or changes to, existing school buildings and grounds.
Policy 8420	Facilities and Transportation Services	Leasing and Community Use of Facilities Community Use of School Facilities	To encourage the use of school buildings and grounds by the community for educational, recreational, civic, and cultural activities to the extent possible under the law and consistent with school operations.
Policy 8560	Facilities and Transportation Services	Operation and Maintenance of Buildings, Grounds, and Equipment Maintenance of Physical Facilities	To assign responsibilities for the maintenance of school buildings and systems.
Policy 8561	Facilities and Transportation Services	Leasing and Community Use of Facilities Child Care Services	To establish criteria for the use of School Board facilities by child care programs sponsored by the county or other public agencies.

Related Policies and Regulations

Additionally, below are some of the related Policies and Regulations that influence the Capital Improvement Program.

NUMBER	SERIES	CATEGORY AND TITLE	PURPOSE
Policy 3335	Instruction	Special Programs Advanced Academic Programs, Grades K-12	To establish policy for advanced academic programs, grades K-12.
Regulation 3333	Instruction	Special Programs and Services Location Guidelines	To outline procedures to be followed when relocating or establishing new or existing programs and services, including special education, Advanced Academic Programs (AAP), Family and Early Childhood Education program (FECEP) and Head Start and English for Speakers of Other Languages (ESOL).
Regulation 2230	Special Services	Admissions, Residency, and Attendance Exceptions for Attendance at Other Than Base School and Procedure for Applying for Intracounty Exceptions	To provide procedures for granting exceptions to school-age (K-12) students to attend schools other than their base schools.

Funding Sources

Bonds

FCPS School Bond Process

In Virginia, school boards do not have taxing authority and are fiscally dependent on the local government. Because bonds are a future obligation for taxpayers, Virginia law requires that voters approve long-term debt incurred by bonds through a referendum. Most city and county governments use bonds—a form of long-term borrowing—to finance public facilities and infrastructure. Traditionally, Fairfax County has used the sale of municipal bonds to fund these large expenditures. This enables the costs of major capital improvements to be spread over the many years that the facilities are used. This also avoids an excessive cost burden to current taxpayers and shares the cost of these long-term investments with future taxpayers who will also use the facilities. Voter approval authorizes the Fairfax County Board of Supervisors (BOS) to sell bonds, when needed, to generate the funds for a range of public facilities like schools.

Of the nation's more than 3,000 counties, Fairfax County is among the few that have the highest credit rating possible for a local government from all three rating agencies. High bond ratings allow the county to sell the bonds at exceptionally low interest rates, thereby saving considerably on the cost of the project. To ensure that the county's bond ratings are not jeopardized, the Fairfax County BOS adheres to financial management principles that set limits on the annual cost of the county's debt service and net long-term debt.

While the practice of municipal bond sales has provided a reliable resource for funding capital improvement projects, the bond spending cap for FCPS of \$155 million per year has limited funding availability, thus limiting FCPS' ability to renovate and add capacity to the facilities.

Every two years in November, school capital facility projects are part of a school bond referendum, which is added to the general election ballot. Actual start and completion dates for CIP projects depend on the Capital Construction Cash Flow and debt service limitations established by the Fairfax County BOS. The timeline for capital projects can range from 5-7 years or more in order to go from bond approval to completion as a result of the spending limitation of \$155 million each year.

Bonds for Capital Improvements Projects

- New construction
- Capacity enhancement (additions to existing schools and other modifications)
- Renovation program
- Special program facilities
- Site acquisition

Cash Proffers From New Housing

Cash proffers are an important funding resource that has resulted in significant improvements to school facilities. Cash proffers are a developer's commitment to offset the impact of new residential development on surrounding schools. In accordance with state code, when a new residential development is proposed and will yield a net increase in students, as part of the development review process, FCPS suggests a monetary proffer contribution from developers to offset the impact on surrounding schools. Proffer contributions are used for capital improvement needs, in accordance with the limitations stipulated by the proffer language and within state code requirements.

Staff provides communication to School Board members regarding proffer funding in the following ways:

- Development Review Process - school impact analysis memos include recommended proffer contributions.
- Superintendent's Update - quarterly notice of approved development with estimated proffer contributions.
- Notification of proffer funding and disbursement – staff communicate with School Board members to allow opportunity to comment prior to disbursement of funds.

FCPS provides regular reports about proffers to Fairfax County, which includes an annual reporting of proffer expenditures. This annual reporting is provided to the Commonwealth of Virginia as part of Fairfax County's report to the Commission on Local Governments (CGL).

It is important to note that cash proffers are an inconsistent funding source. Due to the unpredictable nature of development, it is unknown in any particular year, which monetary proffers will be received.

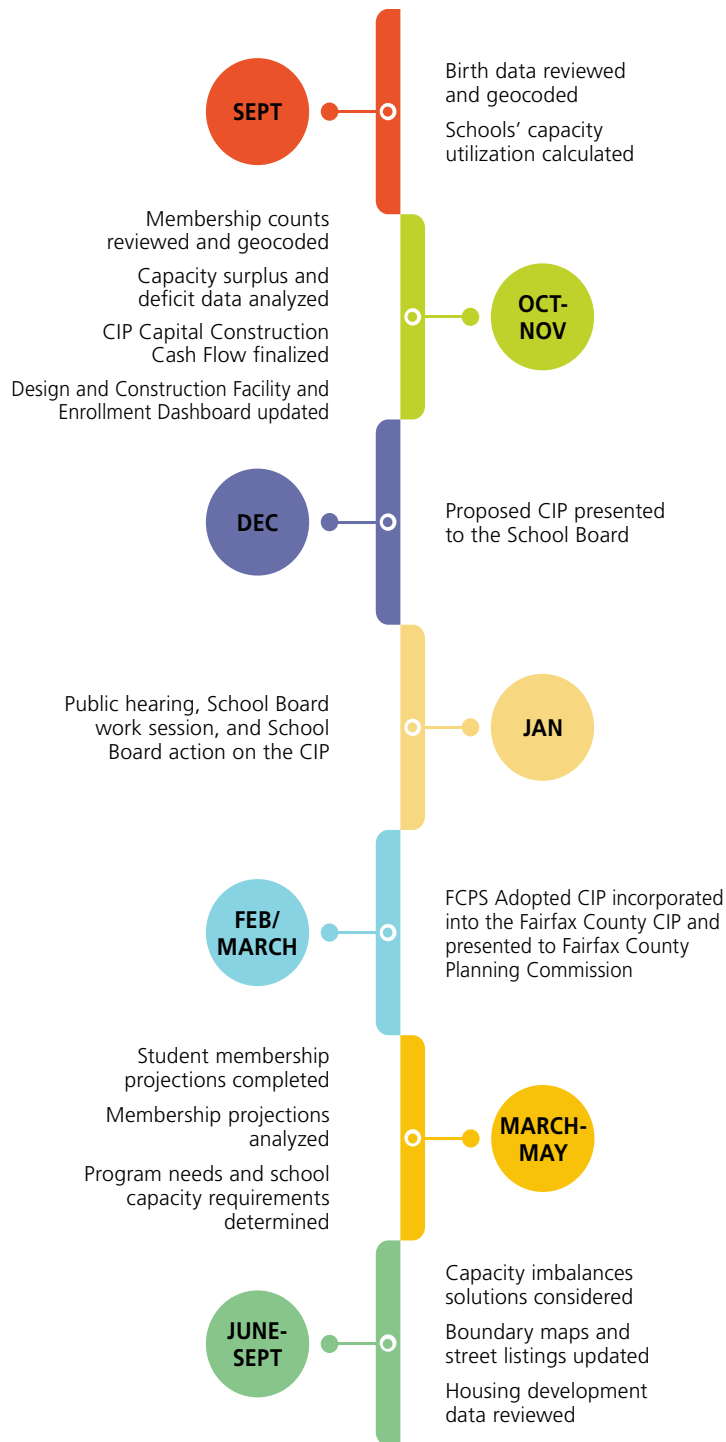
Proffer Contribution Update

The School Public Facilities Impact Formula and the related implementation of Public Facilities Residential Development Criterion became effective in January 2003. Since that time, the development review process for residential rezoning applications has included an assessment of the impact of new residential development on public school facilities, which typically includes a recommended monetary proffer contribution to mitigate such impacts. Pursuant to the implementation of the Public Facilities Criterion, regular updates are provided in order to reflect changes in student yield ratios by unit type and changes in capital construction costs.

While the suggested per student proffer contribution changes from year to year, FCPS recommends, as part of the proffer contribution, an escalation clause be included. The escalation clause suggests that the contribution amount at the time of the development review be applied. The escalation clause is requested given that development review for residential rezoning applications are being submitted now but actual construction and occupancy may not occur for several years. Thus, it is likely that the proffer contribution will increase given that the proffer formula is tied, in part, to construction costs.

Timelines and Processes

CIP Process and Cycle



Capital Program Recommendations

Background

FCPS uses the following steps each year to aid in identifying future student accommodation needs and in recommending the best ways to address these needs. Given the limitations in the current budget and possibly future years' budgets, along with the urgency to address significant and continuing capacity deficits at schools throughout the county, the focus of capital spending is directed to capacity enhancement for schools that are likely to experience continued pressures from high memberships.

Step 1: In developing membership projections, recent and historical membership patterns at each school and districtwide are considered, as well as births, local and regional economic conditions, new housing forecasts, and other factors. The Office of Facilities Planning Services develops general education membership projections in March for the upcoming school year and in May for the next five years. These projections are combined with those from other departments to create overall school system projections. These projections forecast the future demographic trends and needs for the CIP. At the same time, each September, school facility floor plans are analyzed to determine the current capacity utilization of each school facility as it accommodates changing demographic and program needs. School facility capacity surplus and deficit values are established each year.

Step 2: Projected memberships and capacities are compared. Capacity shortages and surpluses are identified.

Step 3: Recommended solutions to the capacity imbalances are developed and evaluated for both short-term and long-term accommodation needs.

Introduction

Using the student membership projections, FCPS identifies capacity deficits that cannot otherwise be addressed through school boundary changes, program relocations, temporary facilities, or other interior building modifications designed to recapture underutilized or unused capacity. The CIP project list and supporting materials comprise a "statement of need" to address these issues.

These needs are met through five types of projects which are contained in the CIP. The annual expenditures for these needs are shown on the Proposed Capital Improvement Program Summary page and Capital Construction Cash Flow sheets. Additionally, information is provided to conform to the county's guidance that 10 years of Capital Construction Cash Flow and capital requirements be identified. It is noted that FCPS updates these documents each year.

Project timelines are constrained to reflect the county's bond spending cap of \$155 million per year, based on the most recently approved two-year bond referendum. Project costs are updated each year to reflect recent rates of inflation in construction costs.

Projects

There are five types of CIP projects.

1. New School Construction

New school construction projects are considered when significant capacity shortages are likely to persist over time. Although this is the most costly method of accommodating student growth, it is an important option when capacity needs cannot be met within a given area of the school system.

2. Capacity Enhancements

Capacity enhancements are defined as permanent methods for accommodating future needs. Examples include the construction of additions or installation of modular additions.

3. Renovation Programs

Renovations are aimed at ensuring that all schools provide the facilities necessary to support current educational programs regardless of the age of the buildings. Renovations are also used to restore capacity lost due to low-ratio special program instruction and other new instructional support needs (e.g., technology labs). Depending on need, a renovated school may acquire a new heating plant, air conditioning, upgraded electrical and plumbing systems, and spaces required to support the educational program. Both the usable lives of school facilities and School Board policy require renovation of buildings on 20-25 year cycles. Given the number of schools now in operation, this need implies a requirement to renovate an average of one high school, one middle school, and six elementary schools per year.

4. Special Program Facilities

The CIP includes funding to provide capacity enhancements at various schools in order to accommodate special programs such as Advanced Academic Programs and Special Education at the elementary and middle school levels. Additionally, FCPS periodically undertakes other capital projects to support its facilities. Examples include installation of safety and security systems as well as improvement of facilities for students and citizens with disabilities.

5. Site Acquisition

The CIP proposes funding to acquire sites for future schools.

Student Membership Projections Process

Each spring, FCPS produces a six-month projection for the upcoming fall. This includes a school-by-school, grade-by-grade projection. Additionally, FCPS produces a five-year projection set, for a total six-year projection cycle. The last year of this set is used for the annual Capital Improvement Program.

The FCPS student membership projections process involves a variety of steps.

1. Analysis of historical trends, themes, and patterns at the school system level, pyramid level, and school level

Examples of factors that are considered:

- Total student membership is compared to historical patterns of membership.
- Fairfax County and City of Fairfax births (by elementary school boundary) are compared to the kindergarten class five years later. These ratios are compared to historical patterns of birth to kindergarten ratios.
- Kindergarten class membership is compared to the previous school year's exiting 12th grade class. These numbers are compared to the past school system patterns.
- Each grade level cohort of students is compared to itself in previous years to understand the difference in grade level cohort membership over time. This is referred to as "cohort progression." Ratios are developed to communicate the "survival rate" of each cohort as it ages through the school system. This is compared to past school system patterns.
- Fairfax County and City of Fairfax population and housing trends are considered to better understand local and regional economic conditions.
- Migration patterns of students entering and exiting the school system are compared to the prior year, as well as to historical patterns of migration.

2. Development of student membership projections from elementary schools to middle schools to high schools

- Entry into elementary school considers school specific historical birth to kindergarten ratios. The ratios are compared to births from five years prior in each school's boundary.

- Entry into middle school and high school considers historical ratios of residing cohorts of students in a school's boundary compared to their membership at the school. These ratios are applied to rising cohorts in the school's boundary.
- Past "cohort survival ratios" are combined with new information to "age" each cohort through successive grades ahead. Multi-year averages of grade level progression are considered when projecting for upcoming school years.
- New housing developments are considered and student yield ratios are determined to estimate how many new students may come from such housing. FCPS uses forecast housing data from Fairfax County for consideration of new housing in the projection cycle.
- Modifications and adjustments are made, as needed, to account for other factors which may influence a particular school's membership. Examples of this include: boundary phasing decisions, new housing completions that may yield students in the upcoming projection year (as noted above), other relevant information unique to a specific school or group of schools.

3. Special program student membership projections are factored into projections

- Unique programs are considered as they may impact school specific membership.
- School-by-school projections from various specialists are received for: level IV advanced academic programs (AAP), special education (level 2 or self-contained), FECEP/Head Start, preschool resource, alternative high schools, alternative programs, and ESOL transitional high schools.

The five-year projections used in this CIP have been modified to include elements of an improved projection methodology that is currently being developed by FCPS. This methodology blends two concepts. The first concept advances student cohorts, school-by-school and grade-by-grade, in relationship to historical ratios of student progression from each school. The second concept considers where students reside as related to the school boundaries where they would be assigned. This blended method will continue to be developed, tested, and fully implemented in the spring of 2017.

Monitoring Membership Impacts From New Housing

FCPS monitors new residential development as part of the following processes:

1. Development Review-Comprehensive Plan/Planning Study Review Process
2. Development Review-Rezoning Review/Proffer Process
3. Student Membership Projections Process

These steps are further detailed below.

Development Review: Comprehensive Plan/Planning Study Review Process:

FCPS staff works with Fairfax County to determine the impact planned new housing would have on school facilities. In addition to the estimated student yields from the planned housing, recommendations for future school facilities needs are provided to county staff. Formal school impact analysis memos are sent to the county's Department of Planning and Zoning. These are also distributed to the appropriate school principals, regional offices, and School Board members.

The Office of Facilities Planning Services works with the county's Department of Planning and Zoning and other county agencies in long range planning initiatives. Recent planning studies which have been undertaken include those related to metro rail expansion in areas such as Tysons Corner, Reston, and the Route 28 corridor, as well as redevelopment efforts in areas such as Bailey's Crossroads, Seven Corners, Springfield Mall, and Richmond Highway. It is important to note these studies are often the first step for planned new housing and are typically designed with long-term planning horizons.

Development Review: Rezoning Review/Proffer Process

As part of the Rezoning Review process, the FCPS Office of Facilities Planning Services works with the county to determine the impact proposed new housing would have on school facilities. Countywide student yield ratios are used to estimate the number of students from the proposed housing, in conformance with the Residential Development Criteria Implementation Motion (effective January 7, 2003) that was adopted by the Fairfax County Board of Supervisors. Further, as permitted by state code, recommendations for monetary proffers and/or school facilities needs are provided to county staff in conformance with the implementation motion.

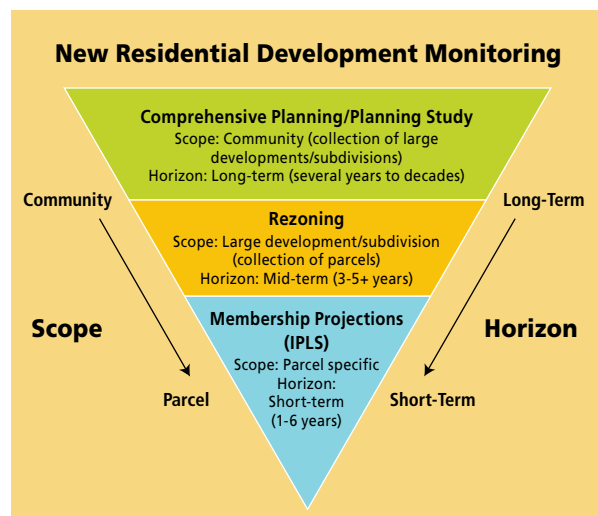
Formal school impact analysis memos are sent to the county's Department of Planning and Zoning. These are also distributed to the appropriate school principals, regional offices, and School Board members.

Rezoning is often a key first step in the development process for new housing. Upon rezoning approval, additional plan and permit approvals are needed before construction can begin. It is common for a site with an approved rezoning to take several months, or even years, to begin the plan and permit process.

Student Membership Projections Process

Each year, data from Fairfax County Integrated Parcel Life Cycle System (IPLS) provides the FCPS Office of Facilities Planning Services with the location and number of current housing units, as well as forecasted housing units, projected by the county. These data are reviewed to determine whether students from new (forecast) housing should be included as part of school membership projections in every boundary, and if so, by how many students and in which projected school years. Student yield ratios based on the local high school pyramid are used to project students from forecasted housing units.

Further, as part of the Development Review process, FCPS uses Geographic Information System (GIS) map layers to plot and track residential development to provide for a more cumulative and comprehensive review of development impacts on county schools, which improves long-range planning for the needs of school facilities.



Assessment of Facility Capacity

School Capacity: Information and Assessment

Understanding and accurately capturing school capacity is important to ensuring the most efficient use of school facilities and capital funds. Knowing how many students a school can accommodate allows FCPS to quickly assess appropriate program placement and to develop student accommodation solutions. Accurate school capacity assessments help to ensure that classroom spaces are sized appropriately and spaces are designed with flexibility in order to meet the needs of multiple and/or changing instructional programs. Beyond current programmatic and membership challenges, accurate capacity assessments are necessary to formulate long-term facility plans.

As a follow-up to the 2007 DeJong Capacity Study and the 2008 implementation of a new methodology for school capacity calculation, FCPS provided detailed school capacity and facility information on the public website in the form of a Facility and Enrollment Dashboard, which may be found at: <https://www.fcps.edu/enrollmentdashboard>. The methodology used to calculate capacity for each school type can be found at: <https://www.fcps.edu/enrollmentdashboard> under the link "Methodology and Calculation."

School Capacity Model

It is important to note that school capacity is measured differently depending upon the school type. For instance, elementary schools are calculated based upon the number of core classrooms and self-contained special education rooms. While some middle schools are team taught, which limits the amount of students to the quantity of rooms required to support a team, others follow the departmental teaching model and need to be assessed similarly to high schools. High school capacity is far more complex than that in elementary and middle schools. The capacity of a high school is based upon the required core programs and the various elective options available.

Modular additions continue to be counted towards capacity while trailer classrooms do not. Classroom trailers will continue to remain on site in many schools where small capacity deficits or even capacity surplus exists, largely due to lack of funding to remove and store elsewhere, and due to changes in programs which require specialized spaces within school buildings. Trailer relocations, however, will take place when additional trailers are needed to accommodate an increase in membership at specific schools.

Having determined the overall methodology that would be used to determine capacity for high, middle, and elementary schools, it is then necessary to determine how each individual school is using space. FCPS is very meticulous in assessing the capacity of each school by conducting a site survey of each building. The Office of Facilities Planning Services has two dedicated Capacity Architects who survey the current use of every space within our schools. With this specific information, the capacity of each school is determined based upon building design, unique characteristics, and program utilization. Thus, two schools with the same exact physical characteristics can have very different capacities depending upon the programs that are assigned to those schools. Capacities can change from year to year based upon programs and changes made by the School Board, such as an increase or decrease in class size.

Expanded facility and membership information for all schools may be viewed at the following link: <https://www.fcps.edu/enrollmentdashboard> under the link "Facility & Enrollment Dashboard." In a dashboard-style format, the website provides membership and projection updates for individual schools with projection and capacity updates provided as needed to reflect program changes, modifications to the physical school building, or changes to educational specifications on class size. The capacity model is used to help identify critical capacity surpluses and deficits. The capacity assessments for all schools will serve to inform and direct facilities planning activities such as identifying schools that should be closed to transfers; prioritizing temporary/permanent classrooms or building additions; and guide new program placement and boundary changes.

Temporary Classroom Needs

Fairfax County Public Schools has established a supplemental capacity method to accommodate students through the temporary provision of portable classroom trailers. This resource allows the School Board to maintain intended student-per-classroom and per-instructor ratios despite short-term fluctuations in school memberships.

Portable classroom trailers are in use to address student membership and program requirements at schools and centers where the buildings themselves lack sufficient capacity. FCPS is implementing multiple strategies to reduce the number of students who would otherwise receive instruction in temporary facilities. These include architectural modification of existing spaces to provide additional instructional areas, expanding capacity as part of a school renovation, relocating modular additions as permanent construction is completed, and shared use of School Aged Child Care (SACC) classrooms during the regular school day.

Membership and Capacity Comparisons

To be effective as a planning tool, comparisons between membership and capacity should be performed at three levels: countywide, by regions, and by individual schools. Comparisons at the latter two levels are included in the attached region data.

Countywide Comparison

FCPS compares five-year projected capacity by level and by geographic areas. This helps inform analysis about membership trends and trends in surplus and deficit capacity throughout the entire school system. It also helps identify projected capacity needs throughout the school system.

School Level Comparisons

A better understanding of FCPS' ability to accommodate students and their instructional needs emerges by reviewing the circumstances at individual schools. Comparisons of school capacity and projected membership for individual schools at all levels are presented in the following region analysis summaries.

Note that the impact of funded new schools (if any) is not reflected in this analysis since the effect for any one school cannot be determined until the new boundary is drawn. Although additional capacity provided by a modular building is included in the analysis, the benefits of any temporary classroom allocated to the schools is not reflected as they are not part of permanent building capacity.

Factors that Influence Student Enrollment and Projections

Various factors influence the overall annual student enrollment and projections. These demographic factors include:

- Overall population trends in Fairfax County
- Overall housing development trends in Fairfax County
- Overall economic conditions in Fairfax County
- Number of births in Fairfax County as compared to the number of kindergarten students who enter the school system five years later
- New students who come to Fairfax County Public Schools as compared to those who withdraw from the school system (also known as in-migration and out-migration)

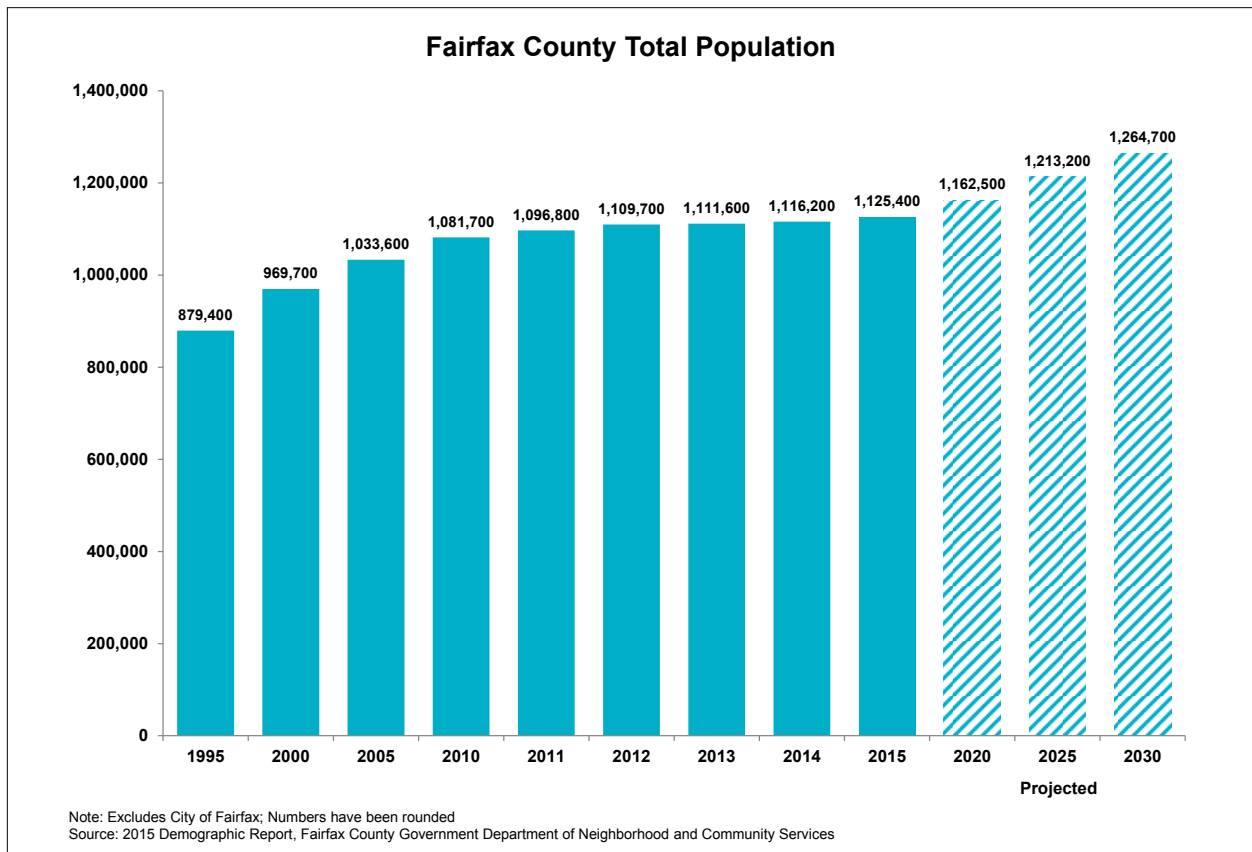
School-by-school enrollment and projections are also influenced by:

- Phasing of boundary adjustments
- Phasing of program change adjustments
- Program needs
- Student transfers

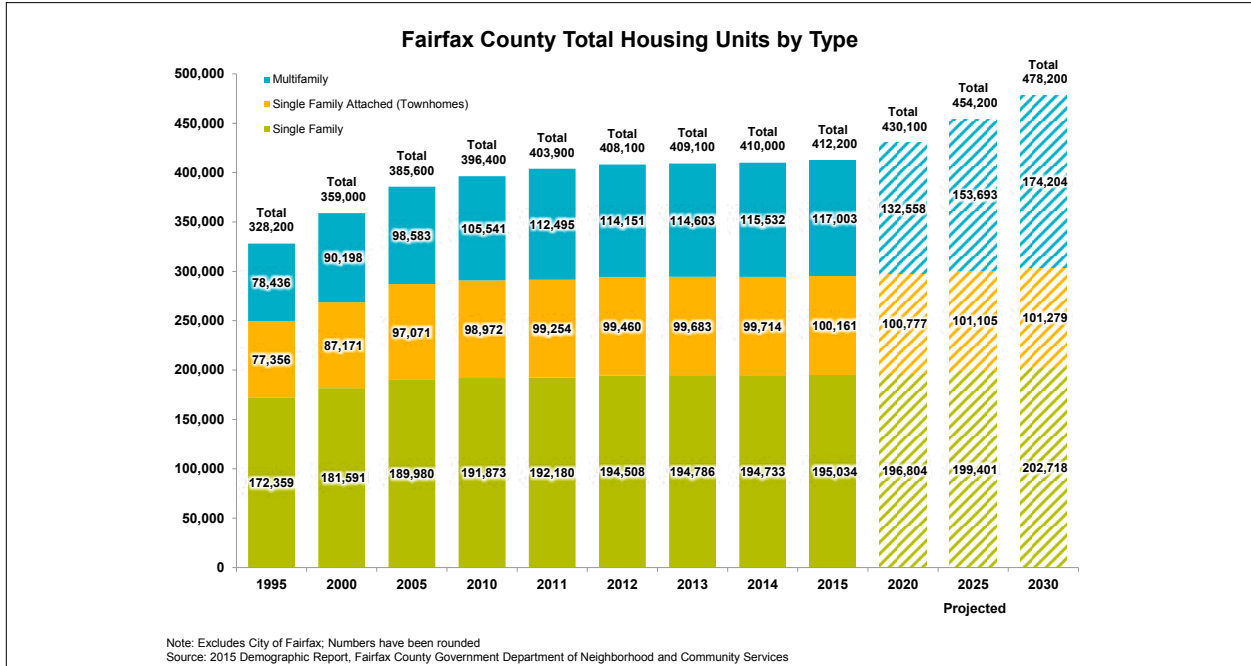
Staff in Fairfax County Public Schools analyzes these data sets as part of the annual projections process.

The following graphs show the most recently updated data sets available to FCPS which influence the overall student enrollment and projections.

Population



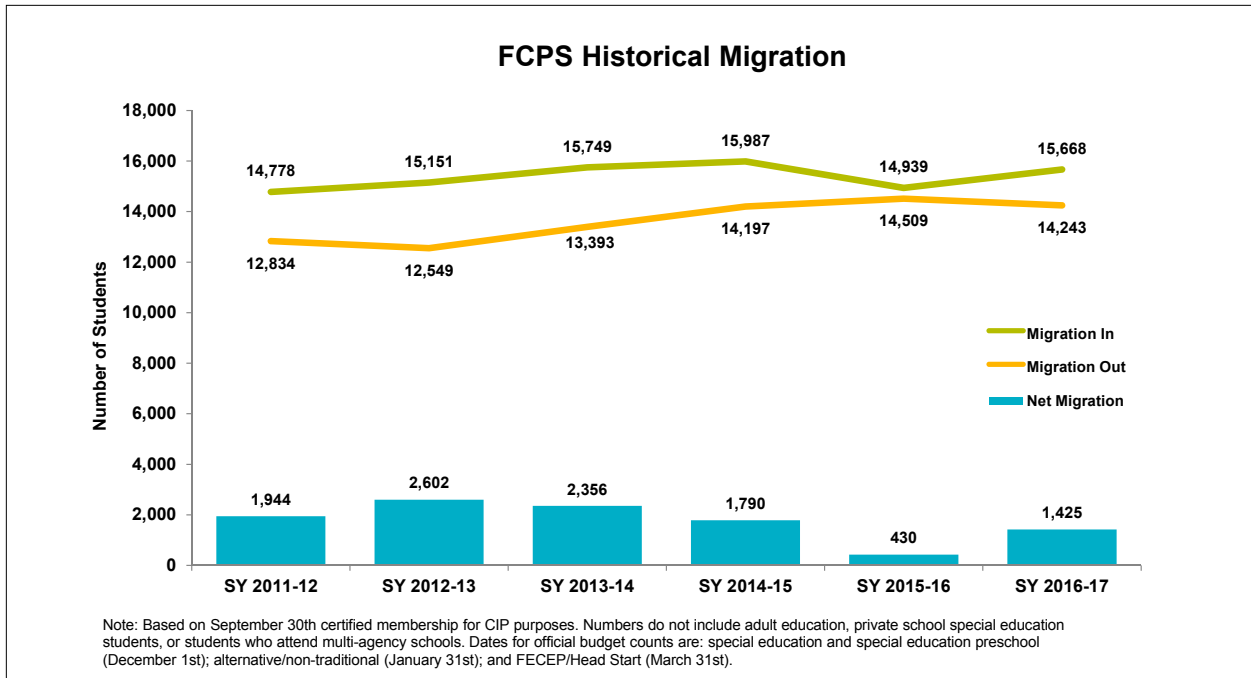
Housing

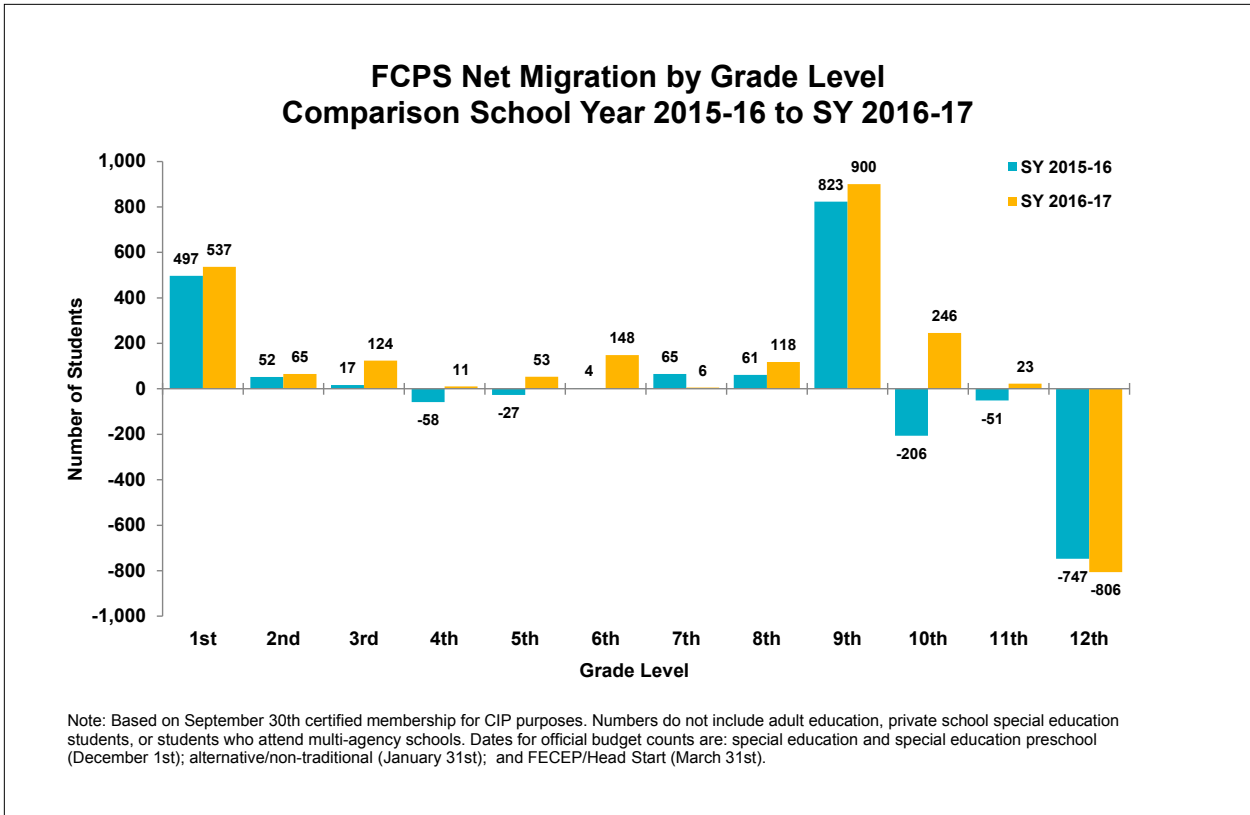
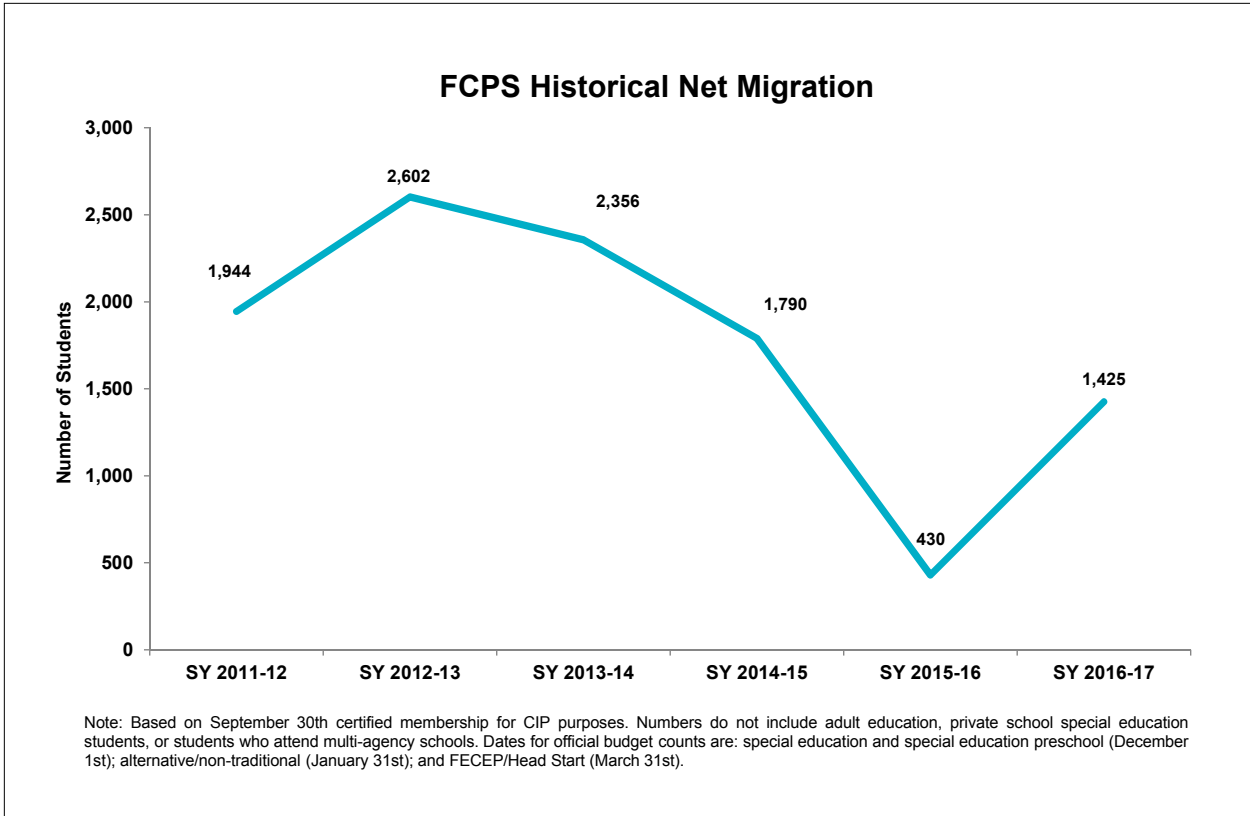


Student Migration

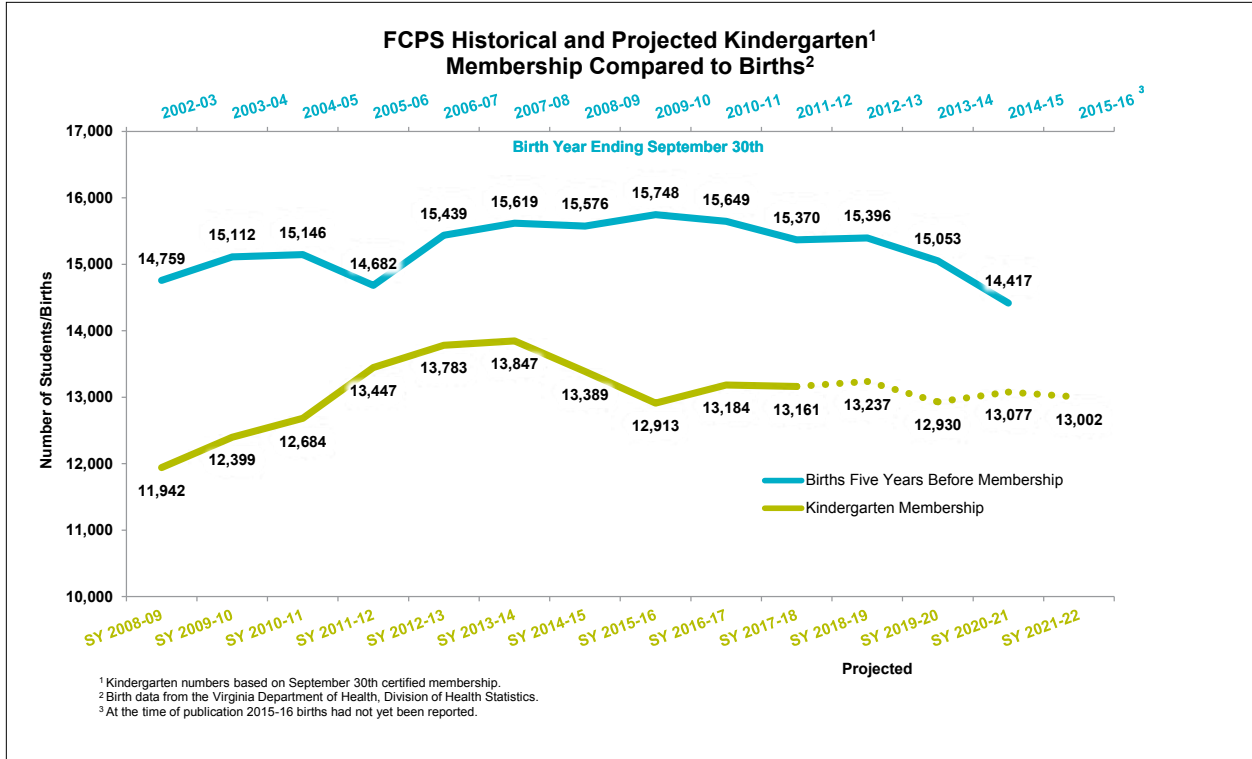
Migration is the comparison of enrolled students in Fairfax County Public Schools from year to year. It provides an understanding of the number of new students who enter the school system as related to the number of students who withdraw from the school system as of September 30th enrollment each year. A variety of factors influence this figure such as the job

market, housing, economy. Net migration accounts for new students who enter into the school system minus the number of students who withdraw from the school system (excluding kindergarten students). It is a critical factor in understanding changes in enrollment over time, projections, grade level trends, and school-by-school projection accuracy. The following graphs display historical and current migration trends.





Births



Current State and Future Outlook

The next section of the Capital Improvement Program includes information that changes each year in response to actual September 30th enrollment and the most recent student enrollment projections. Actual September 30th enrollment is the first year of the six-year student enrollment projection set.

Components of this section show information about the “current state” and “future state” of FCPS based on this most recent enrollment and projection information. Specifically, data will be shared about current enrollment along with the most recent five-year enrollment projections based on current enrollment, current capacity along with anticipated capacity as impacted by the enrollment projections, and any capacity changes due to capital construction.

This section also contains the Capital Construction Cash Flow. This chart details how much money has been spent on each of the listed projects, how much approved bond-funded money is planned to be spent in the future, and how much unfunded money (from future bonds) is needed to complete all projects. FCPS is limited to spending \$155M per year on capital construction with funds from the Fairfax County Bond. Citizens consider a new bond every two years. Construction and renovations take place in three stages: planning, permitting, and construction. Because of this, elementary schools typically take four years to complete, while middle/high schools typically

take six years to complete. Construction additions typically take four years for planning, permitting, and construction. Lastly, relocating modular additions typically takes two years for permitting and construction.

Capital construction projects, as will be shown in more detail, are those related to new school construction, capacity enhancements, renovations, and site acquisition for future FCPS needs. Modular relocations are funded through the general construction fund. The Capital Construction Cash Flow order is based on the 2008 Study Final Rankings Chart order along with projects that are needed to accommodate expected student enrollment growth.

At the conclusion of the section, a Priority Recommended Boundary Adjustment chart shows boundary adjustments that are needed in order for FCPS to use new capacity that has been built through the capital program.

Student Membership and Projections

Each year, Fairfax County Public Schools produces a six-year projection set that is used for capital planning. Student counts for FECEP/Head Start, special education pre K-12, general education, advanced academic programs, alternative programs, alternative centers, ESOL transitional high schools, and post graduate students are included in CIP figures because school system facilities house these students. All counts used for CIP historical and projected membership are based on certified September 30th membership in the identified school year. It is important to note that historical membership and projected membership figures for CIP planning do not include counts of students who receive services through multi-agency programs, private school special education, and adult education, since school facility capacity calculations do not include these counts.

The following charts and graphs provide both historical and projected membership. The CIP five-year student membership projections show an overall contracted growth in the future forecast. This is a change from the higher growth levels experienced in Fairfax County Public Schools in recent years. The primary causes for this projected contraction of growth are smaller entering kindergarten cohorts and a decline in net migration. The projections include indicators that elementary aged student membership will decrease in the future due to smaller entering cohorts replacing larger exiting cohorts. Middle school and high school will experience moderated growth. This is due to the fact that larger cohorts of students currently in the upper elementary school grades will progress into middle school and high school during the upcoming five-year period.

FCPS Five-Year Projections School Year 2017-18 through School Year 2021-22						
School Type	Membership		Projections			
	SY 2016-17	SY 2017-18	SY 2018-19	SY 2019-20	SY 2020-21	SY 2021-22
Elementary ¹	99,094	99,372	99,140	98,522	97,992	97,869
Middle ¹	28,800	29,426	29,855	30,197	30,511	29,972
High ¹	56,545	57,053	57,552	58,084	59,058	59,911
ES, MS, HS Sub-Total	184,439	185,851	186,547	186,803	187,561	187,752
Special Education Centers ²	623	608	641	640	661	686
Preschool Resource	798	924	800	808	791	787
Alternative School Programs ³	688	682	691	695	689	681
Alternative Court Programs ⁴	215	231	228	224	239	240
ESOL Transitional HS	439	478	494	480	486	486
CIP Planning Total	187,202	188,774	189,401	189,650	190,427	190,632
Adult HS, Multi-Agency, Private School Spec Ed.	821	848	834	827	859	865
Total	188,023	189,622	190,235	190,477	191,286	191,497

1 - Membership numbers include: general education, special education, AAP, FECEP/Head Start and preschool (wherever applicable) students.
 2 - Membership numbers include: Burke School, Cedar Lane School, Kilmer Center, Key Center, Pulley Center, Quander Road School, and Davis Center students.
 3 - Membership numbers include: alternative high schools; alternative learning centers; Achievement, Integrity and Maturity (AIM) students.
 4 - Membership numbers include: interagency students.
 All membership and projection numbers based on September 30th certified membership.

FCPS Historical and Projected Student Membership

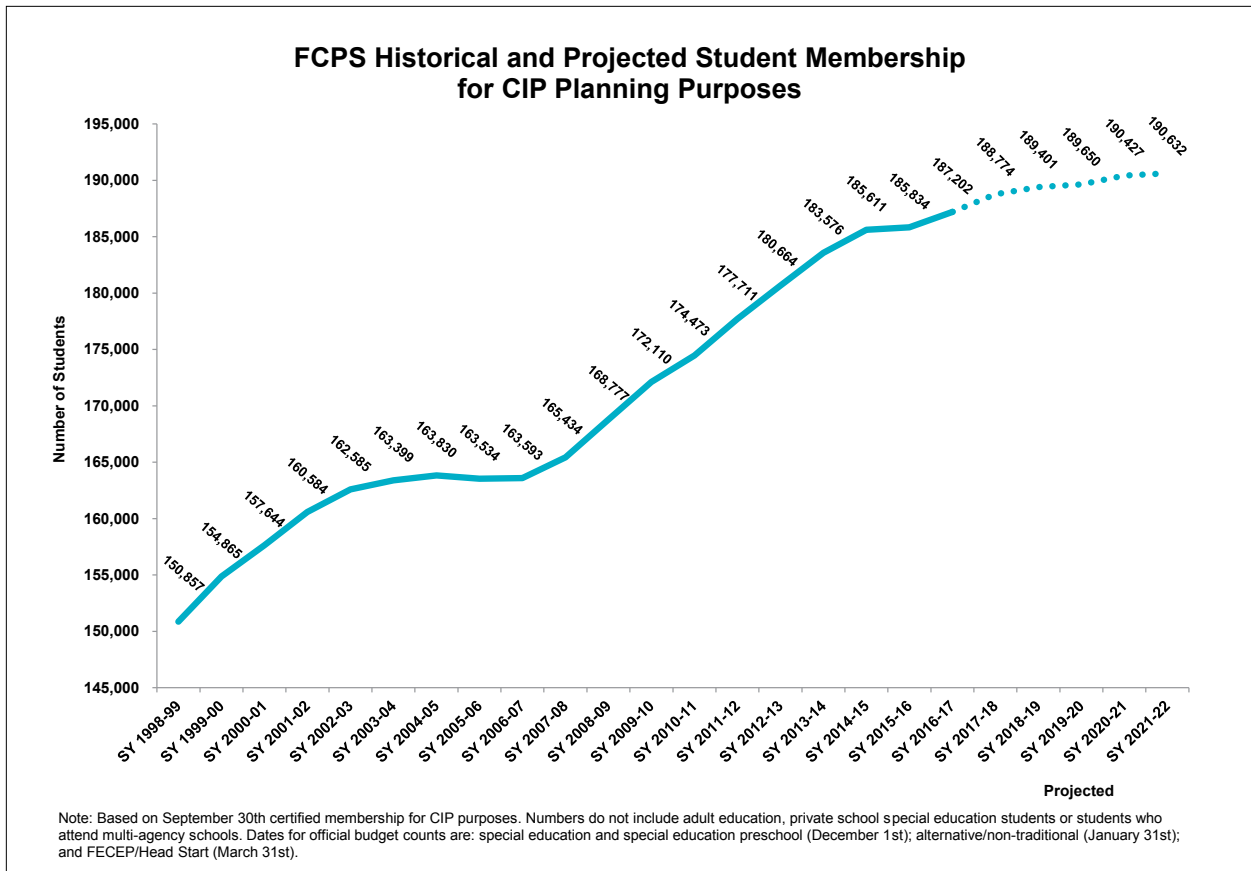
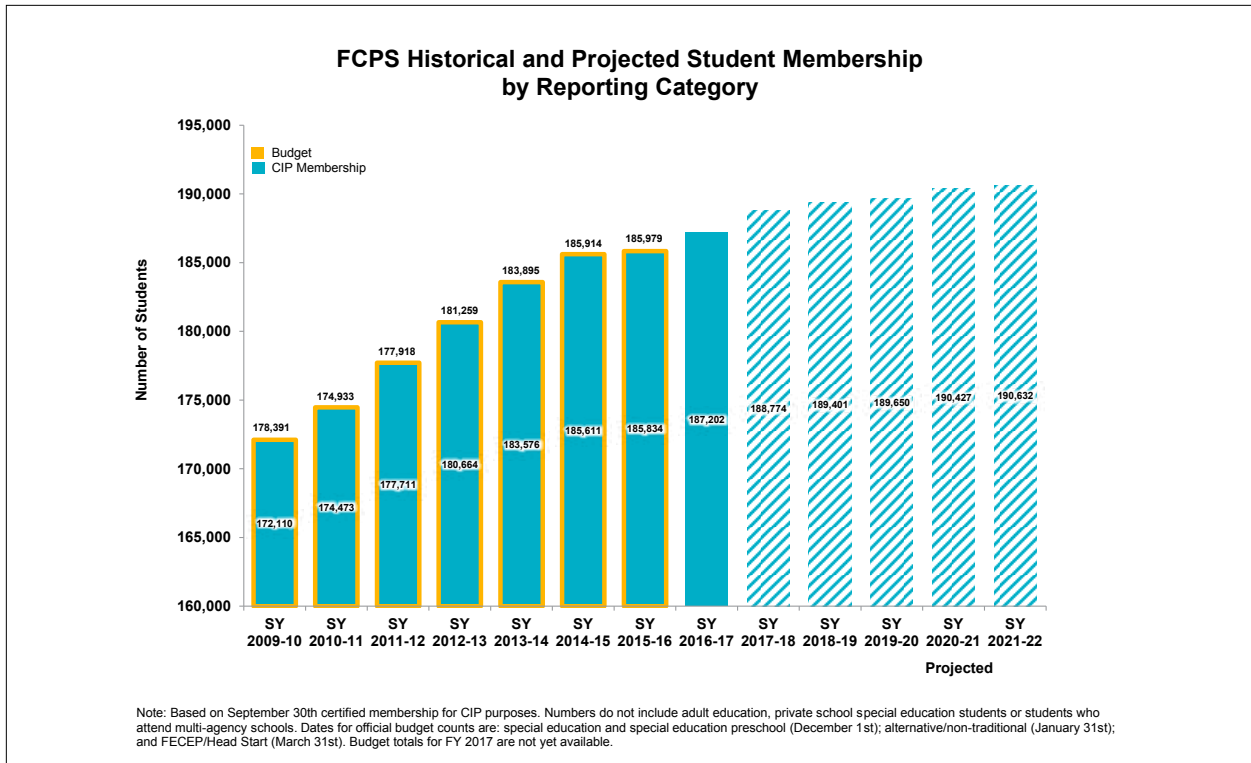
School Year 2007-08 through School Year 2016-17

School Year	CIP Membership	Growth
2007-08	165,434	
2008-09	168,777	3,343
2009-10	172,110	3,333
2010-11	174,473	2,363
2011-12	177,711	3,238
2012-13	180,664	2,953
2013-14	183,576	2,912
2014-15	185,611	2,035
2015-16	185,834	223
2016-17	187,202	1,368

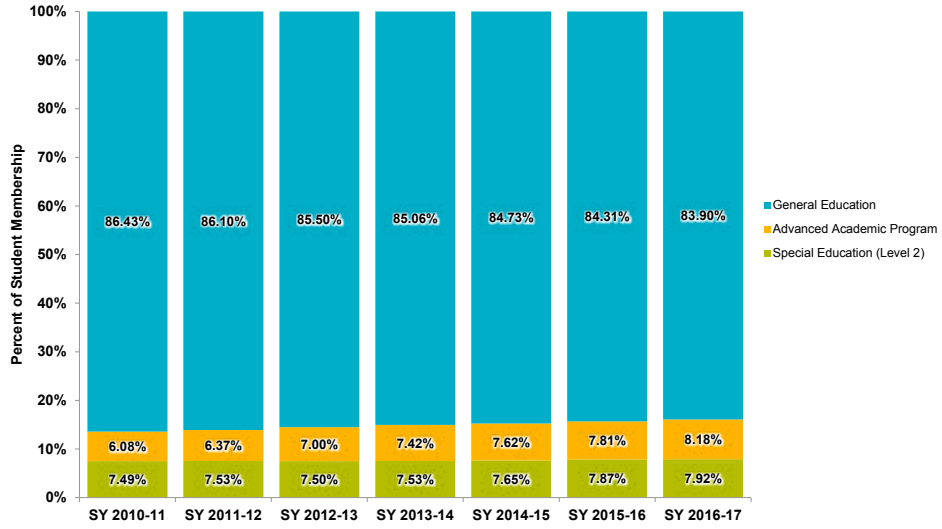
Projected

School Year	CIP Membership	Growth
2017-18	188,774	1,572
2018-19	189,401	627
2019-20	189,650	249
2020-21	190,427	777
2021-22	190,632	205

Note: Based on September 30th certified membership for CIP purposes. Numbers do not include adult education, private school special education students or students who attend multi-agency schools. Dates for official budget counts are: special education and special education preschool (December 1st); alternative/non-traditional (January 31st); and FECEP/Head Start (March 31st).



FCPS Historical K-12 Student Membership by Program



Note: Based on September 30th certified membership for CIP purposes. Numbers do not include adult education, private school special education students or students who attend multi-agency schools.

Determining Renovation Requirements

Approximately two out of every three Capital Improvement Program dollars are earmarked for renovation of existing school facilities. This significant expenditure reflects the age of FCPS facilities and the School Board’s commitment to assuring that all schools contain the facilities necessary to support current educational programs. Ideally, renovations should be programmed to accommodate a 20-25 year cycle in order to protect our capital investment. The renovation program is funded and executed according to a published priority listing, known as the Renovation Queue, which is based upon condition assessments provided by independent architectural and engineering firms.

FCPS commissioned school evaluation studies in 1988, 2000, and 2008. The first two studies assessed buildings on two criteria—the condition and age of the facility.

The Department of Facilities and Transportation Services and the School Board subsequently determined that these two evaluation criteria were not

adequate to capture FCPS needs. When the new facility evaluation study was commissioned in 2008, the following evaluation criteria, weighted by importance, were developed:

- Quantity and quality of core instructional spaces 40%
- Age and condition of the facility 30%
- Quantity and quality of supplemental instructional space 10%
- Adequacy of administrative and support space 10%
- Code compliance of the facility 10%

Multiple teams of architects and engineers evaluated each FCPS school that had been constructed or renovated prior to 1992—a total of 63 schools. The scores were totaled from each consulting team, resulting in the ranked order of schools from the lowest need to the highest (see chart for current renovation queue that was approved by the School Board in January 2009).

2008 Study Final Rankings								
School Name	Rank	Score	School Name	Rank	Score	School Name	Rank	Score
Clermont ES***	1	52.23	West Springfield HS**	23	63.10	Falls Church HS	45	70.11
Terraset ES***	2	54.18	Mount Vernon Woods ES*	24	63.81	Bren Mar Park ES	46	70.28
Sunrise Valley ES***	3	56.77	Herndon HS**	25	63.84	Brookfield ES	47	71.29
Garfield ES***	4	56.81	Rocky Run MS*	26	63.88	Lees Corner ES	48	72.40
Terra Centre ES***	5	57.65	Belle View ES*	27	64.06	Armstrong ES	49	72.53
Thoreau MS***	6	58.05	Annandale Terrace ES*	28	64.19	Willow Springs ES	50	73.33
Westgate ES***	7	58.14	Clearview ES*	29	64.21	Centreville HS	51	73.63
Haycock ES***	8	59.00	Oakton HS*	30	64.54	Herndon ES	52	73.68
Langley HS**	9	59.14	Hughes MS*	31	64.66	Dranesville ES	53	74.97
Ravensworth ES***	10	59.96	Silverbrook ES*	32	64.83	Cub Run ES	54	75.27
Woodlawn ES***	11	60.25	Hybla Valley ES	33	64.87	Franklin MS	55	75.74
Forestville ES**	12	60.28	Cooper MS*	34	65.90	Union Mill ES	56	76.29
North Springfield ES**	13	60.41	Frost MS	35	66.06	Centre Ridge ES	57	76.64
Springfield Estates ES**	14	60.88	Washington Mill ES	36	66.12	Poplar Tree ES	58	76.86
Keene Mill ES***	15	60.89	Braddock ES	37	66.17	Waples Mill ES	59	77.30
Bucknell ES**	16	61.60	Fox Mill ES	38	66.51	Sangster ES	60	77.39
Cherry Run ES**	17	61.78	Oak Hill ES	39	66.63	Twain MS	61	78.38
Waynewood ES**	18	62.17	Wakefield Forest ES	40	67.47	Saratoga ES	62	78.84
Stratford Landing ES**	19	62.50	Louise Archer ES	41	68.24	Virginia Run ES	63	83.13
Newington Forest ES**	20	62.52	Crossfield ES	42	68.98			
Hollin Meadows ES**	21	62.59	Mosby Woods ES	43	69.96			
White Oaks ES**	22	62.70	Bonnie Brae ES	44	70.03			

* Planning funds approved
 ** Construction funds approved
 *** Renovation completed

Capital Construction Cash Flow

FAIRFAX COUNTY PUBLIC SCHOOLS' PROPOSED FY 2018 - FY 2022 CAPITAL IMPROVEMENT PROGRAM SUMMARY

Project	Revised Budget	Prior Years Expenditure	FIVE YEAR CAPITAL IMPROVEMENT PROGRAM FORECAST					Projected Expenditures FY 2023 - 2027
			Projected Expenditures					
			FY 2018	FY2019	FY2020	FY2021	FY2022	
New School Construction	\$ 198,374,334	\$ 1,369,558	\$ 2,800,000	\$ 4,735,682	\$ 17,381,002	\$ 19,708,939	\$ 31,068,105	\$ 121,311,047
Capacity Enhancement	\$ 68,756,091	\$ 498,800	\$ 10,347,770	\$ 10,712,636	\$ 9,294,770	\$ 13,852,115	\$ 17,350,000	\$ 6,700,000
Renovation Programs	\$ 1,516,577,968	\$ 174,614,783	\$ 153,807,854	\$ 160,951,960	\$ 136,928,838	\$ 120,650,631	\$ 104,416,822	\$ 665,207,078
Site Acquisition	\$ 10,000,000				\$ 10,000,000			
Total Project Cost	\$ 1,793,708,392	\$ 176,483,141	\$ 166,955,624	\$ 176,400,279	\$ 163,604,609	\$ 164,211,684	\$ 152,834,928	\$ 793,218,125
Funded Project Cost	\$ 562,004,610	\$ 176,483,141	\$ 149,048,627	\$ 120,343,425	\$ 62,606,396	\$ 37,916,791	\$ 15,384,709	\$ 221,519
Unfunded Project Cost	\$ 1,231,703,782		\$ 17,906,998	\$ 56,056,854	\$ 100,998,213	\$ 126,294,893	\$ 137,450,219	\$ 792,996,606
Total Five Year Requirement								
Funded								\$ 824,007,124
Unfunded								\$ 385,299,948
								\$ 438,707,176
Total Ten Year Requirement								
Funded								\$ 1,617,225,250
Unfunded								\$ 385,521,468
								\$ 1,231,703,782

Note: Numbers in red represent unfunded amounts.

Current State and Future Outlook (Continued)

Project	Revised Budget	Prior Year Expenditures	FY 2018 Expenditures	FY 2019 Expenditures	FY 2020 Expenditures	FY 2021 Expenditures	FY 2022 Expenditures	Projected FY 2023-FY 2027
New School Construction								
Route 1 Area ES	\$ 21,385,718	\$	\$	\$ 633,802	\$ 647,752	\$ 6,983,645	\$ 12,899,000	\$ 221,519
North West County ES	\$ 28,869,400	\$ 1,369,558	\$ 2,800,000	\$ 3,601,881	\$ 16,233,250	\$ 4,864,711	\$	\$
Fairfax/Oakton Area ES	\$ 28,119,216	\$	\$	\$ 500,000	\$ 500,000	\$ 7,860,583	\$ 18,169,105	\$ 1,089,528
Future Western HS	\$ 120,000,000	\$	\$	\$	\$	\$	\$	\$ 120,000,000
Total New School Construction	\$ 198,374,334	\$ 1,369,558	\$ 2,800,000	\$ 4,735,682	\$ 17,381,002	\$ 19,708,939	\$ 31,068,105	\$ 121,311,047
Funded	\$ 25,555,276	\$ 1,369,558	\$ 2,800,000	\$ 633,802	\$ 647,752	\$ 6,983,645	\$ 12,899,000	\$ 221,519
Unfunded Portion	\$ 172,819,058	\$	\$	\$ 4,101,881	\$ 16,733,250	\$ 12,725,294	\$ 18,169,105	\$ 121,089,528
Capacity Enhancement								
South Lakes HS Addition	\$ 14,650,406	\$ 498,800	\$ 8,043,270	\$ 5,803,836	\$ 304,500	\$	\$	\$
Modular Relocations	\$ 8,000,000	\$	\$ 2,000,000	\$ 4,000,000	\$	\$ 2,000,000	\$	\$
West Potomac HS Addition	\$ 14,162,685	\$	\$ 304,500	\$ 498,800	\$ 8,043,270	\$ 5,316,115	\$	\$
Stuart HS Addition	\$ 15,532,000	\$	\$	\$ 410,000	\$ 522,000	\$ 6,000,000	\$ 8,600,000	\$
Madison HS Addition	\$ 16,411,000	\$	\$	\$	\$ 425,000	\$ 536,000	\$ 8,750,000	\$ 6,700,000
Total Capacity Enhancements	\$ 68,756,091	\$ 498,800	\$ 10,347,770	\$ 10,712,636	\$ 9,294,770	\$ 13,852,115	\$ 17,350,000	\$ 6,700,000
Funded	\$ 20,650,406	\$ 498,800	\$ 10,043,270	\$ 9,803,836	\$ 304,500	\$	\$	\$
Unfunded Portion	\$ 48,105,685	\$	\$ 304,500	\$ 908,800	\$ 8,990,270	\$ 13,852,115	\$ 17,350,000	\$ 6,700,000
School Renovations								
Elementary School Renovations								
Forestville	\$ 19,097,460	\$ 14,867,305	\$ 4,230,155	\$	\$	\$	\$	\$
Bucknell	\$ 20,027,138	\$ 12,125,000	\$ 7,902,138	\$	\$	\$	\$	\$
Cherry Run	\$ 18,393,364	\$ 9,950,000	\$ 3,302,645	\$ 4,519,851	\$ 620,868	\$	\$	\$
Waynewood	\$ 21,637,901	\$ 4,500,000	\$ 10,970,414	\$ 6,167,487	\$	\$	\$	\$
Stratford Landing	\$ 22,389,889	\$ 11,571,000	\$ 8,050,000	\$ 2,768,889	\$	\$	\$	\$
Newington Forest	\$ 20,668,393	\$ 9,800,000	\$ 6,636,720	\$ 4,231,672	\$	\$	\$	\$
Hollin Meadows	\$ 23,085,126	\$ 6,500,000	\$ 11,148,979	\$ 5,436,147	\$	\$	\$	\$
White Oaks	\$ 22,514,396	\$ 1,183,613	\$ 6,500,000	\$ 9,090,000	\$ 5,740,782	\$	\$	\$
Mt. Vernon Woods	\$ 22,657,974	\$ 837,650	\$ 7,202,498	\$ 9,800,000	\$ 4,817,826	\$ 992,639	\$ 2,717,645	\$
Belle View	\$ 23,932,500	\$ 929,278	\$ 7,900,000	\$ 7,700,000	\$ 4,410,584	\$ 11,500,000	\$ 2,717,645	\$
Annapdale Terrace	\$ 22,787,406	\$	\$ 836,080	\$ 2,133,681	\$ 5,600,000	\$ 7,390,660	\$ 4,592,794	\$
Cleanview	\$ 24,317,896	\$ 234,033	\$ 854,828	\$ 2,245,561	\$ 9,000,000	\$ 14,619,699	\$ 2,914,736	\$
Silverbrook	\$ 26,210,195	\$ 277,307	\$ 1,086,764	\$ 1,889,573	\$ 5,442,115	\$ 931,493	\$ 2,799,624	\$ 20,369,043
Hybla Valley	\$ 25,031,654	\$	\$	\$	\$	\$	\$	\$
Washington Mill	\$ 20,338,740	\$	\$	\$ 445,131	\$ 763,081	\$ 6,506,990	\$ 12,623,539	\$
Braddock	\$ 24,256,797	\$	\$	\$ 558,470	\$ 558,470	\$ 9,409,640	\$ 13,730,219	\$
Fox Mill	\$ 25,726,600	\$	\$	\$ 581,294	\$ 581,294	\$ 9,842,265	\$ 14,721,746	\$
Oak Hill	\$ 25,523,167	\$	\$	\$	\$ 950,336	\$ 950,336	\$ 23,622,495	\$
Wakefield Forest	\$ 27,023,887	\$	\$	\$	\$	\$ 612,025	\$ 612,025	\$ 25,799,837
Louise Archer	\$ 26,789,757	\$	\$	\$	\$	\$ 606,479	\$ 606,479	\$ 25,576,800
Crossfield	\$ 28,989,184	\$	\$	\$	\$	\$ 658,580	\$ 658,580	\$ 27,672,024
Renovation of 11 Schools	\$ 252,000,000	\$	\$	\$	\$	\$ 658,580	\$ 2,000,000	\$ 250,000,000
Total Elementary Renovations	\$ 743,399,423	\$ 72,775,186	\$ 76,601,220	\$ 57,982,860	\$ 38,148,563	\$ 40,164,776	\$ 43,611,113	\$ 414,115,703
Funded	\$ 174,739,179	\$ 72,775,186	\$ 61,498,722	\$ 34,103,619	\$ 6,361,650	\$	\$	\$
Unfunded Portion	\$ 568,660,245	\$	\$ 15,102,498	\$ 23,879,242	\$ 31,786,913	\$ 40,164,776	\$ 43,611,113	\$ 414,115,703
Middle School Renovations								
Rocky Run	\$ 47,407,608	\$ 2,019,386	\$ 12,616,008	\$ 17,963,299	\$ 14,808,915	\$	\$	\$
Hughes	\$ 52,084,743	\$ 540,007	\$ 1,437,066	\$ 4,141,627	\$ 10,050,000	\$ 19,471,687	\$ 9,540,000	\$ 6,904,356
Cooper	\$ 51,230,246	\$ 375,000	\$ 1,552,984	\$ 1,552,984	\$ 4,706,759	\$ 11,650,000	\$ 19,005,532	\$ 12,986,988
Frost	\$ 52,276,636	\$	\$	\$ 401,236	\$ 1,604,944	\$ 1,604,944	\$ 12,152,054	\$ 36,513,459
Renovation of 1 Middle School	\$ 30,500,000	\$	\$	\$	\$	\$	\$	\$ 30,500,000

Note: Numbers in red represent unfunded amounts.

Project	Revised Budget	Prior Year		FY 2018		FY 2019		FY 2020		FY 2021		FY 2022		Projected FY 2023-FY 2027	
		Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures	Expenditures
Total Middle School Renovations	\$ 233,499,233	\$ 2,934,393	\$ 2,934,393	\$ 15,606,058	\$ 24,059,145	\$ 30,570,617	\$ 32,726,631	\$ 40,697,586	\$ 86,904,803						
Funded	\$ 52,865,648	\$ 2,934,393	\$ 2,934,393	\$ 15,606,058	\$ 19,516,282	\$ 14,808,915	\$ 15,761,703	\$ 40,697,586	\$ 86,904,803						
Unfunded Portion	\$ 180,633,585				\$ 4,542,863		\$ 18,964,928								
High School Renovations															
Langley	\$ 78,106,157	\$ 59,169,051	\$ 59,169,051	\$ 12,500,000	\$ 6,437,106										
West Springfield	\$ 91,475,328	\$ 31,000,000	\$ 31,000,000	\$ 22,613,784	\$ 19,000,000	\$ 12,203,014	\$ 6,658,530								
Hemdon	\$ 105,076,464	\$ 5,200,000	\$ 5,200,000	\$ 23,986,793	\$ 30,848,780	\$ 28,280,566	\$ 14,274,616	\$ 2,485,709							
Oakton	\$ 107,511,092	\$ 3,536,152	\$ 3,536,152	\$ 2,500,000	\$ 21,000,000	\$ 24,800,000	\$ 23,900,000	\$ 15,790,000	\$ 15,984,940						
Falls Church	\$ 101,760,271				\$ 1,624,069	\$ 2,926,078	\$ 2,926,078	\$ 1,832,414	\$ 92,451,633						
Renovation of 1 High School	\$ 55,750,000								\$ 55,750,000						
Total High School Renovations	\$ 539,679,312	\$ 98,905,203	\$ 98,905,203	\$ 61,600,577	\$ 78,909,955	\$ 66,209,657	\$ 47,759,224	\$ 20,108,123	\$ 164,186,572						
Funded	\$ 278,194,102	\$ 98,905,203	\$ 98,905,203	\$ 59,100,577	\$ 56,285,886	\$ 40,483,580	\$ 20,933,146	\$ 2,485,709							
Unfunded Portion	\$ 261,485,210			\$ 2,500,000	\$ 22,624,069	\$ 27,726,078	\$ 26,826,078	\$ 17,622,414	\$ 164,186,572						
Total Renovations (All Schools)															
Funded	\$ 1,516,577,968	\$ 174,614,783	\$ 174,614,783	\$ 153,807,854	\$ 160,951,960	\$ 136,928,838	\$ 120,650,631	\$ 104,416,822	\$ 665,207,078						
Unfunded Portion	\$ 1,010,779,040			\$ 136,205,357	\$ 109,905,787	\$ 61,654,144	\$ 20,933,146	\$ 2,485,709							
Site Acquisition															
Future High School Site	\$ 10,000,000						\$ 10,000,000								
Total Site Acquisition	\$ 10,000,000						\$ 10,000,000								
Unfunded Portion															
Total Project Cost															
Funded Portion	\$ 1,793,708,392	\$ 176,483,141	\$ 176,483,141	\$ 166,955,624	\$ 176,400,279	\$ 163,604,609	\$ 164,211,684	\$ 152,834,928	\$ 793,218,125						
Unfunded Portion	\$ 1,231,703,782			\$ 17,906,998	\$ 56,056,854	\$ 100,998,213	\$ 126,294,893	\$ 137,450,219	\$ 792,996,606						

Note: Numbers in red represent unfunded amounts.

10-Year CIP Forecast											
Estimated Construction Schedule based upon \$1155M Cash Flow											
School	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
New											
Route 1 Area ES											
North West County ES											
Fairfax/Oakton Area ES											
Future Western HS											
Capacity Enhancement											
South Lakes HS Addition											
Glasgow MS Mod - Relo											
Woodson HS Mod - Relo											
Elementary TBD Mod - Relo											
Elementary TBD Mod - Relo											
West Potomac HS Addition											
Stuart HS Addition											
Madison HS Addition											
ES Renovations											
Forestville ES											
Bucknell ES											
Cherry Run ES											
Waynewood ES											
Stratford Landing ES											
Newington Forest ES											
Hollin Meadows ES											
White Oaks ES											
Mt. Vernon Woods ES											
Belle View ES											
Annandale Terrace ES											
Clearview ES											
Silverbrook ES											
Hybla Valley ES											
Washington Mill ES											
Braddock ES											
Fox Mill ES											
Oak Hill ES											
Wakefield Forest ES											
Louise Archer ES											
Crossfield ES											
Mosby Woods ES											
Bonnie Brae ES											
Bren Mar Park ES											
Brookfield ES											
Lees Corner ES											
Armstrong ES											
Willow Springs ES											
MS Renovations											
Rocky Run MS											
Hughes MS											
Cooper MS											
Frost MS											
HS Renovations											
Landley HS											
West Springfield HS											
Herndon HS											
Oakton HS											
Falls Church HS											
Centreville HS											

Enrollment and Capacity Comparisons

To be effective as a planning tool, comparisons between enrollment and capacity should be performed at three levels: countywide, by selected groupings of adjoining schools, and by individual school. Comparisons at the latter two levels are included in the attached region data. Discussed below are the countywide comparisons, by level, for the five-year planning period.

Countywide Comparisons

In the current 2016-17 school year, four elementary, three middle, and four high schools have a capacity utilization of 115% or more. The number of schools with capacity utilization of 115% or more is projected to change to seven elementary, four middle, and six high schools in the school year 2021-22.

School-Level Comparisons

A better understanding of FCPS' ability to accommodate students and their instructional needs emerges by reviewing the circumstances at individual schools. Comparisons of school capacity and projected membership for individual schools at all levels are presented in the following region analysis summaries.

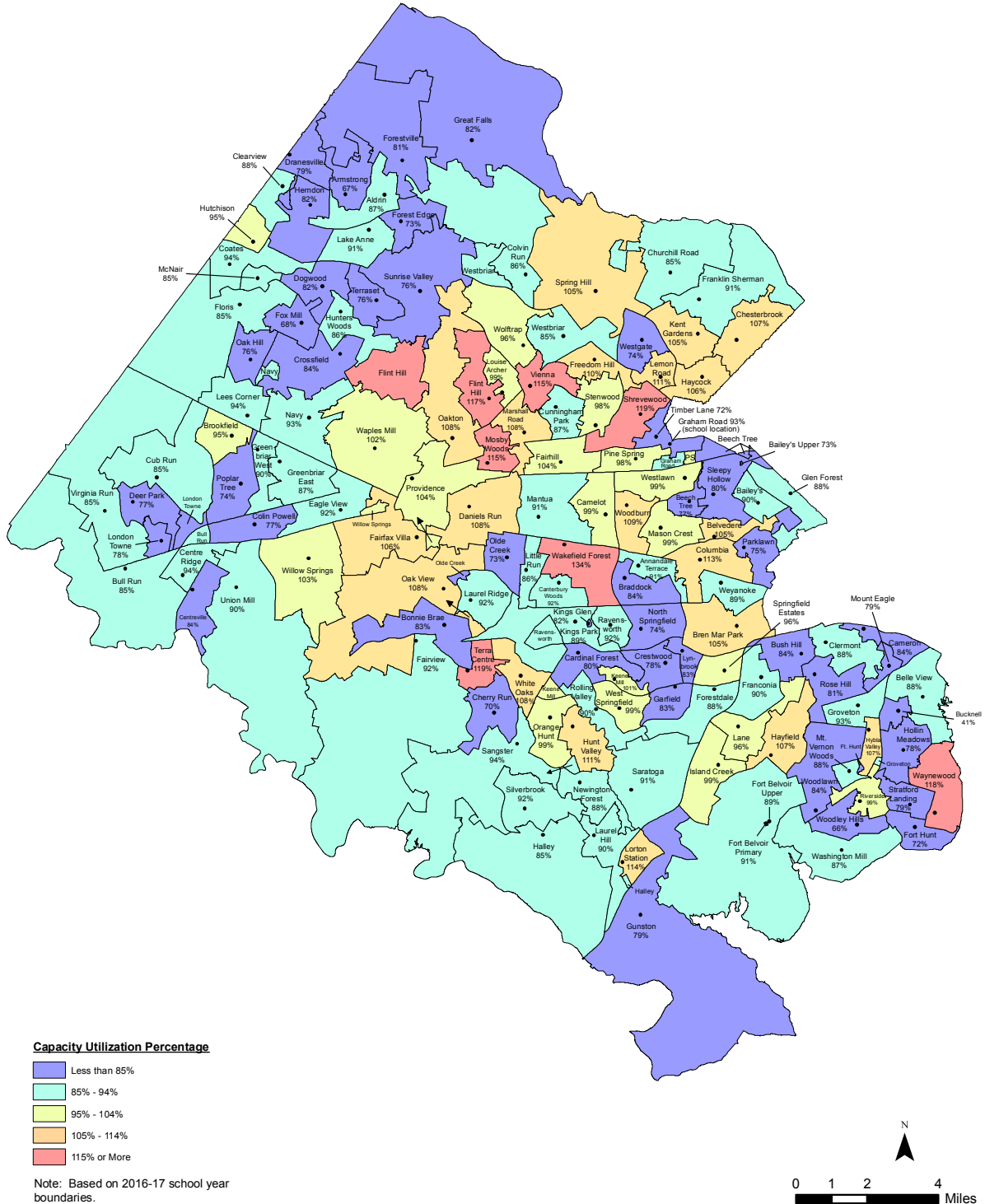
Note that the impact of funded new schools (if any) are not reflected in this analysis since the effect for any one school cannot be determined until the new boundary is drawn. Also note that the benefits of any temporary classrooms allocated to these schools are not reflected, because they are not part of permanent building capacity to accommodate students and programs. Additional capacity provided by modular additions is included in the analysis.

Elementary School Current and Projected Capacity Utilization SY 2021-22

Projected Elementary School Capacity Utilization of 115% or More in SY 2021-22								
School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Wakefield Forest	112%	134%	Waynewood	98%	118%	Mosby Woods	105%	115%
Terra Centre	102%	119%	Flint Hill	105%	117%			
Shrevewood	111%	119%	Vienna	106%	115%			
During the next five school years, seven elementary schools are projected to have a capacity utilization of 115% or more.								
Projected Elementary School Capacity Utilization Between 95%-114% in SY 2021-22								
School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Lorton Station	110%	114%	Fairfax Villa	97%	106%	Camelot	92%	99%
Columbia	116%	113%	Haycock	106%	106%	Island Creek	97%	99%
Hunt Valley	100%	111%	Spring Hill	94%	105%	Louise Archer	88%	99%
Lemon Road	103%	111%	Kent Gardens	114%	105%	Westlawn	104%	99%
Freedom Hill	101%	110%	Bren Mar Park	103%	105%	Mason Crest	91%	99%
Woodburn	103%	109%	Belvedere	115%	105%	Pine Spring	103%	98%
Oak View	95%	108%	Fairhill	93%	104%	Stenwood	104%	98%
White Oaks	93%	108%	Providence	96%	104%	Wolftrap	98%	96%
Marshall Road	93%	108%	Willow Springs	100%	103%	Springfield Estates	97%	96%
Daniels Run	98%	108%	Waples Mill	104%	102%	Lane	98%	96%
Oakton	100%	108%	Keene Mill	102%	101%	Brookfield	99%	95%
Hybla Valley	115%	107%	West Springfield	91%	99%	Hutchison	102%	95%
Chesterbrook	102%	107%	Orange Hunt	97%	99%			
Hayfield	96%	107%	Riverside	91%	99%			
During the next five school years, forty elementary schools are projected to have a capacity utilization between 95%-114%.								
Projected Elementary School Capacity Utilization of Less Than 95% in SY 2021-22								
School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Coates	108%	94%	Clermont	95%	88%	Rose Hill	88%	81%
Sangster	99%	94%	Newington Forest	84%	88%	Cardinal Forest	95%	80%
Lees Corner	98%	94%	Glen Forest	95%	88%	Sleepy Hollow	91%	80%
Centre Ridge	94%	94%	Greenbriar East	94%	87%	Gunston	82%	79%
Groveton	91%	93%	Cunningham Park	89%	87%	Stratford Landing	85%	79%
Navy	101%	93%	Aldrin	97%	87%	Mount Eagle	98%	79%
Graham Road	101%	93%	Washington Mill	87%	87%	Dranesville	93%	79%
Eagle View	88%	92%	Hunters Woods	95%	86%	London Towne	85%	78%
Fairview	94%	92%	Colvin Run	91%	86%	Hollin Meadows	81%	78%
Canterbury Woods	89%	92%	Little Run	88%	86%	Crestwood	87%	78%
Ravensthorpe	89%	92%	Bull Run	87%	85%	Deer Park	85%	77%
Laurel Ridge	92%	92%	Halley	89%	85%	Colin Powell	94%	77%
Silverbrook	97%	92%	Westbriar	88%	85%	Beech Tree	82%	77%
Franklin Sherman	94%	91%	Floris	90%	85%	Oak Hill	90%	76%
Mantua	91%	91%	McNair	148%	85%	Terraset	84%	76%
Annandale Terrace	87%	91%	Virginia Run	79%	85%	Sunrise Valley	82%	76%
Lake Anne	87%	91%	Churchill Road	91%	85%	Parklawn	85%	75%
Saratoga	86%	91%	Cub Run	91%	85%	Poplar Tree	93%	74%
Fort Belvoir Primary	76%	91%	Cameron	85%	84%	North Springfield	76%	74%
Laurel Hill	98%	90%	Bush Hill	84%	84%	Westgate	78%	74%
Franconia	90%	90%	Braddock	86%	84%	Bailey's Upper	81%	73%
Rolling Valley	86%	90%	Centreville	91%	84%	Olde Creek	81%	73%
Greenbriar West	105%	90%	Woodlawn	86%	84%	Forest Edge	82%	73%
Union Mill	93%	90%	Crossfield	87%	84%	Timber Lane	85%	72%
Bailey's	89%	90%	Bonnie Brae	94%	83%	Fort Hunt	81%	72%
Kings Park	92%	89%	Lynbrook	95%	83%	Cherry Run	78%	70%
Weyanoke	88%	89%	Garfield	76%	83%	Fox Mill	82%	68%
Fort Belvoir Upper	66%	89%	Dogwood	89%	82%	Armstrong	77%	67%
Clearview	95%	88%	Kings Glen	82%	82%	Woodley Hills	78%	66%
Forestdale	88%	88%	Great Falls	80%	82%	Bucknell	65%	41%
Belle View	83%	88%	Herndon	86%	82%			
Mount Vernon Woods	89%	88%	Forestville	95%	81%			
During the next five school years, ninety-four schools are projected to have a capacity utilization of less than 95%.								

The projected elementary school capacity utilizations are illustrated on **Map 1**.

Map 1 Projected Elementary School Capacity Utilization, SY 2021-22



Middle School Current and Projected Capacity Utilization SY 2021-22

Projected Middle School Capacity Utilization of 115% or More in SY 2021-22

School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Luther Jackson	124%	136%	Longfellow	108%	118%	Frost	111%	115%
Kilmer	115%	122%						

During the next five school years, four middle schools are projected to have a capacity utilization of 115% or more.

Projected Middle School Capacity Utilization Between 95%-114% in SY 2021-22

School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Herndon	96%	113%	Twain	97%	105%	Key	86%	95%
Irving	93%	111%	Carson	103%	102%			
Sandburg	102%	108%	Robinson	90%	96%			

During the next five school years, seven middle schools are projected to have a capacity utilization between 95%-114%.

Projected Middle School Capacity Utilization of Less Than 95% in SY 2021-22

School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Hughes	93%	94%	Rocky Run	118%	88%	Whitman	79%	79%
Lake Braddock	87%	93%	Hayfield	76%	86%	Thoreau	77%	77%
Franklin	90%	92%	Liberty	81%	84%	Stone	82%	73%
Holmes	92%	92%	Lanier	80%	83%	South County	78%	72%
Glasgow	103%	89%	Poe	77%	82%	Cooper	86%	62%

During the next five school years, fifteen middle schools are projected to have a capacity utilization of less than 95%.

The projected middle school capacity utilizations are illustrated on **Map 2**.

Map 2 Projected Middle School Capacity Utilization, SY 2021-22



High School Current and Projected Capacity Utilization SY 2021-22

Projected High School Capacity Utilization of 115% or More in SY 2021-22								
School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
West Potomac	119%	133%	Centreville	117%	126%	Marshall	106%	117%
Oakton	121%	129%	Stuart	105%	122%	Chantilly	107%	117%

During the next five school years, six high schools are estimated to have a capacity utilization of 115% or more.

Projected High School Capacity Utilization Between 95%-114% in SY 2021-22								
School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Madison	104%	114%	Woodson	103%	111%	Westfield	94%	98%
McLean	104%	113%	Herndon	108%	102%	Hayfield	88%	95%
Falls Church	100%	113%	West Springfield	102%	101%	Thomas Jefferson	103%	95%
Edison	98%	111%	Fairfax	98%	100%	Robinson	99%	95%

During the next five school years, twelve high schools are estimated to have a capacity utilization between 95% and 114%.

Projected High School Capacity Utilization of Less Than 95% in SY 2021-22								
School Name	Capacity Utilization		School Name	Capacity Utilization		School Name	Capacity Utilization	
	2016-17	2021-22		2016-17	2021-22		2016-17	2021-22
Lee	86%	94%	South Lakes	116%	92%	Langley	100%	81%
Lake Braddock	91%	93%	South County	89%	88%			
Annandale	84%	93%	Mount Vernon	83%	84%			

During the next five school years, seven high schools are projected to have a capacity utilization of less than 95%.

The projected high and secondary school capacity utilizations are illustrated on **Map 3**.

Map 3 Projected High School Capacity Utilization, SY 2021-22



Current State and Future Outlook (Continued)

FCPS Capacity Balance Summary
Current and Projected

Region 1

High School Pyramids	Elementary 2016-17		Elementary 2021-22		Middle 2016-17		Middle 2021-22		High 2016-17		High 2021-22											
	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance										
Hemdon	4,995	4,603	392	4,119	3,675	444	817	4,226	817	1,065	1,018	47	1,065	1,204	-139	2,145	2,307	-162	2,500	2,560	-60	
Langley	4,073	3,692	381	3,876	3,714	162	4,431	4,417	14	4,431	4,454	-23	4,552	4,314	1,138	2,282	2,133	1,694	2,282	2,133	1,694	401
Madison	3,876	3,714	162	4,073	3,692	381	4,431	4,417	14	4,431	4,454	-23	4,552	4,314	1,138	2,282	2,133	1,694	2,282	2,133	1,694	401
Oakton	4,431	4,417	14	4,431	4,454	-23	4,552	4,314	1,138	2,282	2,133	1,694	2,282	2,133	1,694	401	2,107	2,188	-81	2,107	2,402	-295
South Lakes	5,452	4,707	745	5,452	4,707	745	22,921	20,689	2,232	5,744	5,262	482	6,016	5,393	623	10,430	11,443	-1,013	11,471	11,814	-343	
Region 1 Total	22,827	21,133	1,694	22,921	20,689	2,232	5,744	5,262	482	6,016	5,393	623	10,430	11,443	-1,013	11,471	11,814	-343	11,471	11,814	-343	

Region 2

High School Pyramids	Elementary 2016-17		Elementary 2021-22		Middle 2016-17		Middle 2021-22		High 2016-17		High 2021-22										
	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance									
Annandale	4,650	4,203	447	4,594	4,213	381	2,236	1,934	302	4,232	3,890	342	4,402	4,127	275	1,954	1,956	-2	1,954	2,211	-257
Falls Church	3,678	3,649	29	3,678	3,683	-5	1,163	1,436	-274	1,163	1,436	-274	1,163	1,436	-274	1,163	1,436	-274	1,163	1,436	-274
Marshall	4,069	3,920	149	4,069	3,984	85	1,080	1,313	-233	1,080	1,313	-233	1,080	1,313	-233	2,033	2,151	-118	2,033	2,377	-344
McLean	3,528	3,588	-60	3,528	3,446	82	1,242	1,346	-104	1,242	1,346	-104	1,242	1,346	-104	1,967	2,053	-86	1,967	2,230	-263
Stuart	5,053	4,610	443	5,053	4,257	796	1,685	1,734	-50	1,685	1,734	-50	1,685	1,734	-50	1,993	2,095	-102	1,993	2,437	-444
Region 2 Total	20,978	19,970	1,008	20,922	19,583	1,339	7,405	7,639	-234	7,405	7,639	-234	7,405	7,639	-234	12,179	12,145	34	12,179	13,382	-1,033

Region 3

High School Pyramids	Elementary 2016-17		Elementary 2021-22		Middle 2016-17		Middle 2021-22		High 2016-17		High 2021-22										
	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance									
Edison	3,660	3,276	384	3,660	3,085	575	1,011	1,065	-54	1,011	1,065	-54	1,011	1,065	-54	2,095	2,044	51	2,095	2,321	-226
Hayfield	3,989	3,893	96	3,989	3,995	-7	1,169	1,007	162	1,169	1,007	162	1,169	1,007	162	2,246	1,976	270	2,246	2,143	103
Lee	4,250	3,778	472	4,250	3,694	556	928	877	51	928	877	51	928	877	51	2,068	1,777	291	2,068	1,936	132
Mount Vernon	5,816	4,735	1,081	5,795	5,023	772	1,224	963	261	1,224	963	261	1,224	963	261	2,439	2,025	414	2,439	2,053	386
West Potomac	6,041	5,391	650	6,041	5,329	869	1,391	1,497	-107	1,391	1,497	-107	1,391	1,497	-107	2,160	2,052	-102	2,160	2,866	-706
Region 3 Total	23,756	21,073	2,683	23,892	21,126	2,766	5,722	5,056	666	5,722	5,409	313	11,009	10,414	595	11,009	10,414	595	11,009	11,319	-310

Region 4

High School Pyramids	Elementary 2016-17		Elementary 2021-22		Middle 2016-17		Middle 2021-22		High 2016-17		High 2021-22										
	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance									
Centreville	4,818	4,425	393	4,818	4,134	684	1,285	1,079	206	1,285	1,079	206	1,285	1,079	206	2,135	2,507	-372	2,135	2,690	-555
Lake Braddock	4,426	3,993	433	4,426	4,037	389	1,629	1,422	207	1,629	1,518	111	1,629	1,518	111	3,087	2,805	282	3,087	2,880	207
Robinson	3,901	3,701	200	3,901	3,820	81	1,318	1,184	134	1,318	1,262	56	1,318	1,262	56	2,747	2,719	28	2,747	2,616	131
South County	3,220	2,992	228	3,313	2,947	366	1,367	989	378	1,367	989	378	1,367	989	378	2,474	2,210	264	2,474	2,172	302
West Springfield	4,287	4,094	193	4,287	4,158	129	1,131	1,259	-128	1,131	1,259	-128	1,131	1,259	-128	2,163	2,209	-46	2,163	2,378	-28
Region 4 Total	20,652	19,205	1,447	20,751	19,096	1,655	6,729	6,107	622	6,729	6,107	622	12,606	12,450	156	12,606	12,450	156	12,606	12,736	57

Region 5

High School Pyramids	Elementary 2016-17		Elementary 2021-22		Middle 2016-17		Middle 2021-22		High 2016-17		High 2021-22										
	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance	Program Capacity	Current Membership Balance	Program Capacity	Projected Membership Balance									
Chantilly	5,264	5,070	194	5,264	4,530	734	2,058	2,152	-94	2,058	2,152	-94	2,058	2,152	-94	2,571	2,757	-186	2,571	3,002	-431
Fairfax	3,425	3,287	138	3,425	3,497	-72	1,164	932	232	1,164	967	197	1,164	967	197	2,406	2,347	59	2,406	2,400	6
Westfield	5,664	5,581	83	5,664	5,419	1,041	956	780	176	956	697	259	956	697	259	2,730	2,578	152	2,730	2,680	50
Woodson	4,065	3,775	290	4,065	3,929	136	1,095	1,210	-115	1,095	1,255	-160	1,095	1,255	-160	2,331	2,411	-80	2,331	2,578	-247
Region 5 Total	18,418	17,713	705	19,214	17,375	1,839	5,273	5,074	199	5,273	5,017	541	10,038	10,093	-55	10,038	10,093	-55	10,038	10,660	-622

FCPS Total	106,631	99,094	7,537	107,700	97,869	9,831	30,874	28,800	2,074	31,715	29,972	1,743	56,263	56,545	-282	57,660	59,911	-2,251
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* Program Capacity for SY 2021-22 includes future design capacity of schools after a renovation or capacity enhancement.

Current and Projected membership based on September 30th counts.

Membership figures include K-12, FECEP/Head Start, preschool, and post graduate students in traditional elementary, middle and high schools.

**Priority Recommended Boundary Adjustments
By Region and Pyramid
Potential Timeline Information**

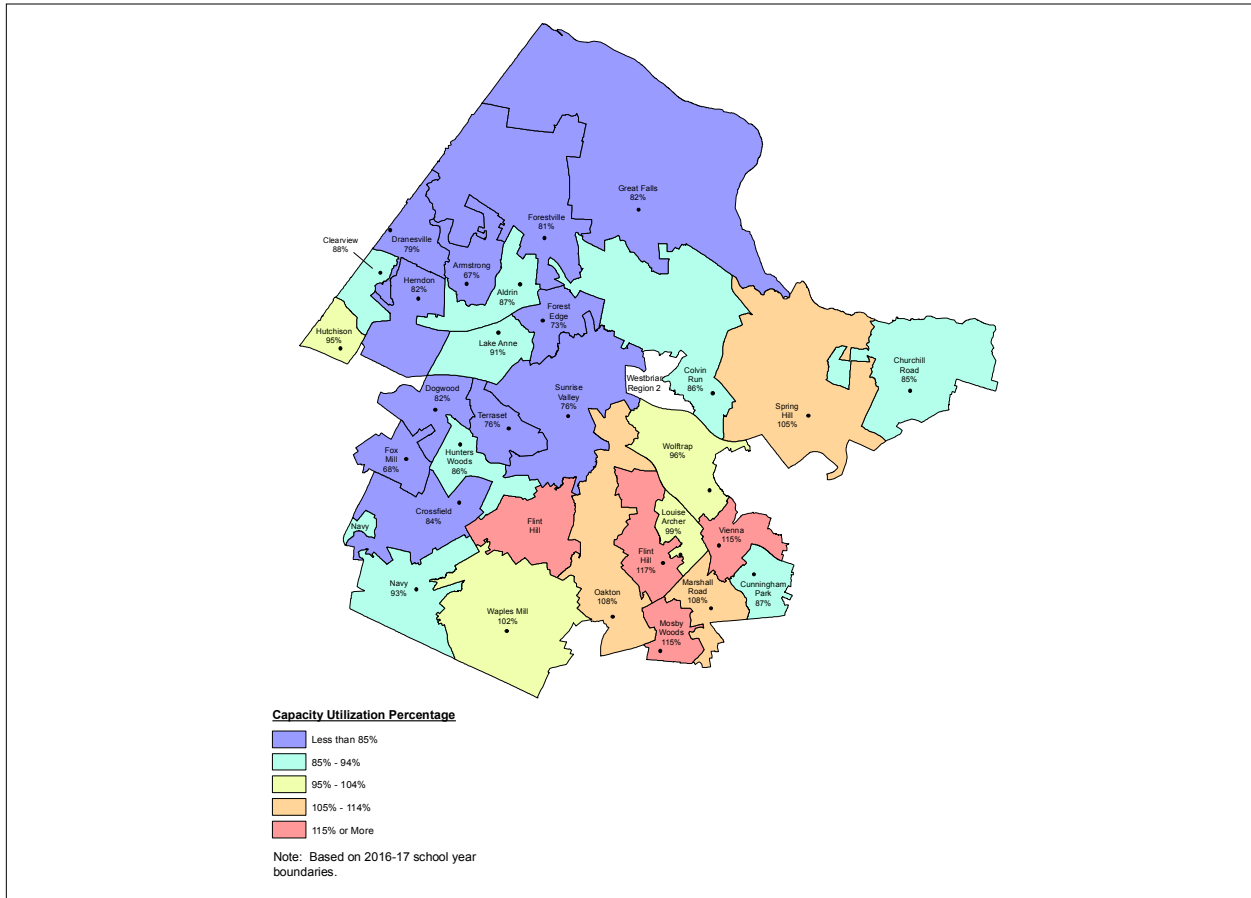
Region	Pyramid	School	Objective	Potential Scoping	Potential Boundary	Anticipated Effective Date
1	Madison	Thoreau MS	Add Students to Thoreau MS after Renovation	Spring 2017	Fall 2017	SY 2018-19
3	West Potomac	Bucknell ES*	Add Students to Bucknell ES after Capacity Enhancement	Fall 2017	Spring 2018	SY 2018-19
3	West Potomac	Route 1 ES-New	Assign Students to new Route 1 ES	TBD	TBD	SY 2020-21
1	Oakton	Fairfax/Oakton ES-New	Assign Students to new Fairfax/Oakton ES	Fall 2020	Spring 2021	SY 2022-23

*This project reflects a timeline adjustment based on anticipated occupancy date.

Note: Recommended boundary adjustment options and program changes are included in the CIP for future consideration only. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for advanced academic program centers at existing facilities and newly identified site locations.

Region Summaries

Region 1 Projected Elementary School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Herndon HS Pyramid

Clearview: At the conclusion of the renovation in SY 2020-21, Clearview ES will have a design capacity of 800 students. Reassign the AAP students residing within the Aldrin ES and Armstrong ES attendance areas from Forest Edge ES AAP Center to the already existing Clearview ES AAP Center upon completion of the renovation. This AAP Center realignment will keep the pyramid cohorts together.

Hutchison: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Langley HS Pyramid

Colvin Run: Alleviate Westbriar ES (Region 2) attendance island by reassigning students to Colvin Run ES (Region 1).

Forestville: At the conclusion of the renovation in SY 2017-18, Forestville ES will have a design capacity of 635 students.

Spring Hill: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Madison HS Pyramid

Flint Hill: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Install a modular addition at Flint Hill ES if the membership continues to increase.

Louise Archer: Reassign AAP students residing within the Marshall Road ES attendance area from Mosby Woods ES AAP Center to Louise Archer ES AAP Center. This solution will provide capacity relief to Mosby Woods ES. Renovation to begin in the 10-year CIP cycle.

Marshall Road: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Vienna: Monitor student membership. Capacity deficit accommodated with interior architectural modifications. Reassign portion of Vienna ES to Freedom Hill ES in order to provide capacity relief to Vienna ES and keep the pyramid cohorts together.

Oakton HS Pyramid

Crossfield: Renovation to begin in the 10-year CIP cycle.

***Mosby Woods:** Create a new AAP Center at Providence ES. Reassign the City of Fairfax AAP students from Mosby Woods ES AAP Center to the new AAP Center at Providence ES. Reassign AAP students residing within the Marshall Road ES attendance area from Mosby Woods ES AAP Center to Louise Archer ES AAP Center. Build a new elementary school in the Fairfax/Oakton area. Utilize new available capacity to alleviate overcrowding in the region.

Navy: Membership patterns will continue to be monitored to determine if capacity relief is needed in the future.

***Oakton:** Convert the Oakton ES auditorium to four classrooms which will reduce the need for trailers. Build a new elementary school in the Fairfax/Oakton area. Utilize new available capacity to alleviate overcrowding in the region.

***Waples Mill:** Build a new elementary school in the Fairfax/Oakton area. Utilize new available capacity to alleviate overcrowding in the region.

South Lakes HS Pyramid

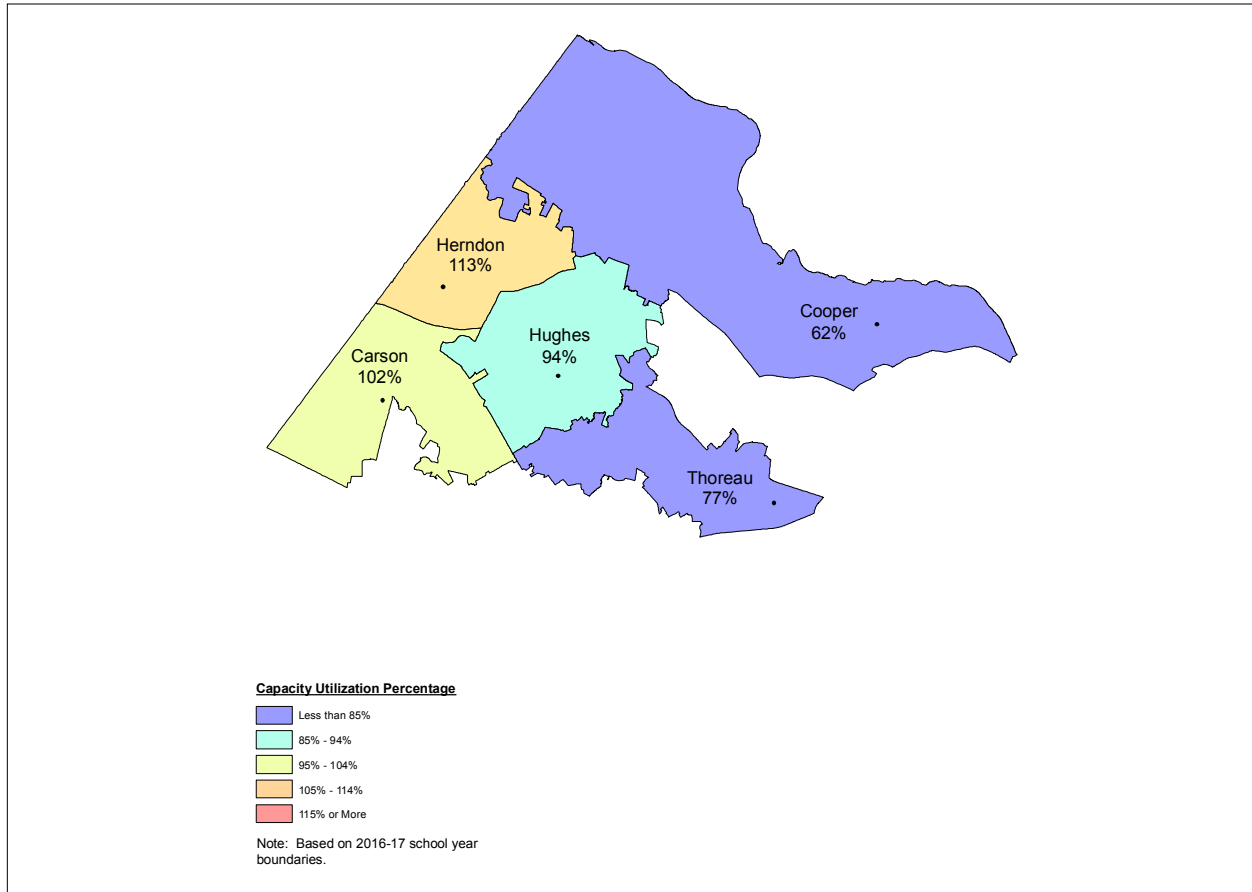
Forest Edge: Reassign the AAP students residing within the Aldrin ES and Armstrong ES attendance areas from Forest Edge ES AAP Center to the already existing Clearview ES AAP Center upon completion of the renovation. This AAP Center realignment will keep the pyramid cohorts together.

Fox Mill: Renovation to begin in the 10-year CIP cycle.

***Fairfax/Oakton ES:** Build a new elementary school in the Fairfax/Oakton area. Utilize new available capacity to alleviate overcrowding in the region.

*Priority Recommended Boundary Adjustment

Region 1 Projected Middle School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Herndon HS Pyramid

Herndon: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Langley HS Pyramid

Cooper: At the conclusion of the renovation and capacity enhancement in SY 2021-22, Cooper MS will have a design capacity of 1,200 students.

Madison HS Pyramid

***Thoreau:** Utilize available capacity to alleviate overcrowding at Jackson MS. Reassign a portion of the Jackson MS students, who will eventually attend Oakton HS, to Thoreau MS. This option will provide capacity relief to Jackson MS and help align feeder patterns.

*Priority Recommended Boundary Adjustment

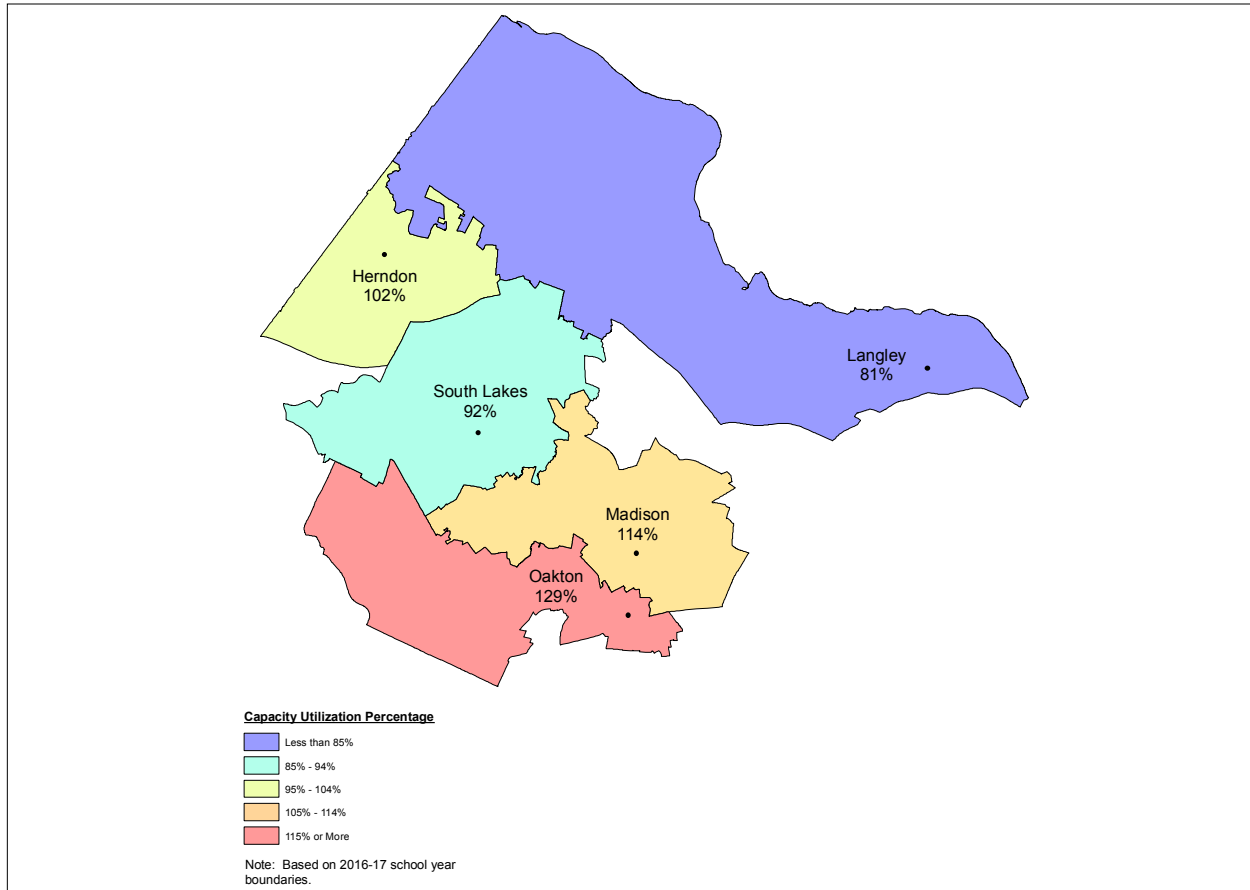
Oakton HS Pyramid

Carson: Create a new AAP Center at Franklin MS. Reassign AAP students residing within the Franklin MS boundaries from Carson MS AAP Center to the new AAP Center at Franklin MS. This option will provide capacity relief to Carson MS.

South Lakes HS Pyramid

Hughes: Renovation and capacity enhancement to be completed in the 10-year CIP cycle.

Region 1 Projected High School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Herndon: At the conclusion of the renovation and capacity enhancement in SY 2021-22, Herndon HS will have a design capacity of 2,500 students. Construct a new high school in the western end of the Silver Line Metro vicinity. This solution will involve multiple boundary adjustments to the schools in the western portion of the county such as Chantilly, Centreville, Herndon, Oakton, South Lakes, and Westfield High schools.

Langley: At the conclusion of the renovation and capacity enhancement in SY 2018-19, Langley HS will have a design capacity of 2,100 students. Reassign McLean HS and Marshall HS students to Langley HS. This option will provide capacity relief to McLean HS and Marshall HS.

Madison: Capacity enhancement required through permanent addition.

Oakton: At the conclusion of the renovation and capacity enhancement in the 10-year CIP cycle, Oakton HS will have a design capacity of 2,600 students. Construct a new high school in the western end of the Silver Line Metro vicinity. This solution will involve multiple boundary adjustments to the schools in the western portion of the county such as Chantilly, Centreville, Herndon, Oakton, South Lakes, and Westfield High schools.

South Lakes: At the conclusion of the capacity enhancement in SY 2018-19, South Lakes HS will have a design capacity of 2,700 students. Construct a new high school in the western end of the Silver Line Metro vicinity. This solution will involve multiple boundary adjustments to the schools in the western portion of the county such as Chantilly, Centreville, Herndon, Oakton, South Lakes, and Westfield High schools.

SY 2016-17 Capacity, Membership, and Projections
Region 1

HERNDON H.S. PYRAMID

School	Facility	Design Capacity	SY 2016-17		Projection Variance		Projected Membership				Projected Program Capacity Balance							
			Program Capacity	Membership Balance	Spring 2016 Projection	Variance	Spring 2016 Projection	Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
Herndon HS ³		2,500	2,145	2,307	-162	2,382	-75	-3%	2,300	2,308	2,367	2,416	2,560	-155	-163	-222	-271	-60
Herndon MS		1,176	1,065	1,018	47	1,049	-31	-3%	1,094	1,164	1,218	1,232	1,204	-29	-99	-153	-167	-139
Aldrin ES		896	751	726	25	694	32	4%	698	693	684	675	652	53	58	67	76	99
Armstrong ES		784	600	460	140	429	31	7%	442	438	413	411	399	158	162	187	189	201
Clearview ES ^{3,4}		800	752	711	41	670	41	6%	738	750	732	722	707	14	2	20	78	93
Dranesville ES		1,008	858	799	59	780	19	2%	747	733	700	685	674	111	125	158	173	184
Herndon ES ²		1,232	1,008	865	143	927	-62	-7%	870	847	838	832	823	138	161	170	176	185
Hutchison ES		1,220	1,026	1,042	-16	1,024	18	2%	1,045	1,031	1,015	996	971	-19	-5	11	30	55

LANGLEY H.S. PYRAMID

School	Facility	Design Capacity	SY 2016-17		Projection Variance		Projected Membership				Projected Program Capacity Balance							
			Program Capacity	Membership Balance	Spring 2016 Projection	Variance	Spring 2016 Projection	Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
Langley HS ³		2,100	1,970	1,973	-3	1,942	31	2%	1,912	1,860	1,800	1,788	1,699	58	240	300	332	401
Cooper MS ^{2,3,4}		1,200	928	801	127	978	-177	-22%	820	807	777	760	744	108	121	151	168	456
Churchill Road ES ⁴		924	868	794	74	835	-41	-5%	809	791	784	756	735	59	77	84	112	133
Colvin Run ES ^{2,4}		1,008	879	799	80	755	44	6%	793	789	777	781	756	86	90	102	98	123
Forestville ES ³		635	589	559	30	548	11	2%	549	536	520	518	514	86	99	115	117	121
Great Falls ES		728	680	545	135	525	20	4%	548	551	538	550	557	132	129	142	130	123
Spring Hill ES		1,260	1,057	995	62	950	45	5%	1,008	1,029	1,053	1,069	1,113	49	28	4	-12	-56

MADISON H.S. PYRAMID

School	Facility	Design Capacity	SY 2016-17		Projection Variance		Projected Membership				Projected Program Capacity Balance							
			Program Capacity	Membership Balance	Spring 2016 Projection	Variance	Spring 2016 Projection	Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
Madison HS ⁶		2,115	2,107	2,188	-81	2,183	5	0%	2,242	2,260	2,328	2,332	2,402	-135	-153	-221	-225	-295
Thoreau MS		1,395	1,171	902	269	836	66	7%	924	913	920	914	901	247	258	251	257	270
Cunningham Park ES		644	574	508	66	527	-19	-4%	537	532	508	509	500	37	42	66	65	74
Flint Hill ES		700	670	705	-35	717	-12	-2%	696	728	748	767	786	-26	-58	-78	-97	-116
Louise Archer ES ⁴		784	760	670	90	651	19	3%	670	687	702	723	751	90	73	58	37	9
Marshall Road ES		1,036	834	778	56	780	-2	0%	774	817	845	876	900	60	17	-11	-42	-66
Vienna ES ¹		492	449	475	-26	460	15	3%	464	491	499	517	518	-15	-42	-50	-68	-69
Wolftrap ES		616	589	578	11	586	-8	-1%	571	563	563	558	565	18	26	26	31	24

OAKTON H.S. PYRAMID

School	Facility	Design Capacity	SY 2016-17		Projection Variance		Projected Membership			Projected Program Capacity Balance								
			Program Capacity	Membership Balance	Spring 2016 Projection	Variance	%	SY17-18	SY18-19	SY20-21	SY17-18	SY18-19	SY20-21	SY21-22				
															2016 Projection	Variance	%	
Oakton HS		2,097	2,064	2,492	-428	2,414	78	3%	2,550	2,654	2,883	2,707	2,863	-486	-590	-619	-643	-599
Carson MS ⁴		1,539	1,487	1,524	-38	1,502	22	1%	1,506	1,531	1,521	1,498	1,513	-20	-45	-35	-12	-27
Crossfield ES		1,008	807	699	108	633	66	9%	660	646	647	650	674	147	161	160	157	133
Mosby Woods ES ⁴		1,038	982	1,031	-49	1,025	6	1%	1,076	1,089	1,113	1,135	1,127	-94	-107	-131	-153	-145
Navy ES ⁴		998	966	977	-11	979	-2	0%	941	932	922	908	899	25	34	44	58	67
Oakton ES		810	809	808	1	831	-23	-3%	824	816	836	847	871	-15	-7	-27	-38	-62
Waples Mill ES		1,036	867	902	-35	841	61	7%	903	895	894	888	883	-36	-28	-27	-21	-16

SOUTH LAKES H.S. PYRAMID

School	Facility	Design Capacity	SY 2016-17		Projection Variance		Projected Membership			Projected Program Capacity Balance								
			Program Capacity	Membership Balance	Spring 2016 Projection	Variance	%	SY17-18	SY18-19	SY20-21	SY17-18	SY18-19	SY20-21	SY21-22				
															2016 Projection	Variance	%	
South Lakes HS ^{3,6}		2,700	2,144	2,483	-339	2,410	73	3%	2,472	2,436	2,420	2,479	2,490	-328	264	280	221	210
Hughes MS ⁴		1,114	1,094	1,017	77	1,012	5	0%	1,055	1,064	1,084	1,076	1,031	39	30	10	18	63
Dogwood ES		1,008	829	741	88	765	-24	-3%	760	743	714	696	681	69	86	115	133	148
Forest Edge ES ^{2,4}		980	808	662	146	738	-76	-11%	661	628	598	583	586	147	180	210	225	222
Fox Mill ES ²		840	736	606	130	610	-4	-1%	580	564	543	528	504	156	172	193	208	232
Hunters Woods ES ⁴		1,008	948	900	48	873	27	3%	874	851	833	818	816	74	97	115	130	132
Lake Anne ES		800	744	649	95	711	-62	-10%	704	720	705	694	678	40	24	39	50	66
Sunrise Valley ES ⁴		826	715	584	131	544	40	7%	574	568	556	548	540	141	147	159	167	175
Terraset ES		914	672	565	107	521	44	8%	544	545	543	526	509	128	127	129	146	163

Current and projected membership numbers based on September 30th certified membership.

Capacities and capacity balances include modular additions.

Membership figures do not include special education center students.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

¹ Boundary study impact. Schools currently going through phased-in boundary changes.

² Significant program or other changes.

³ Numbers in italics are *future* design capacity and projected capacity balance after a renovation or capacity enhancement.

⁴ **General education and AAP center school.**

⁵ Membership figures include FECEP/Head Start students in high schools.

⁶ Membership figures include post graduate students.

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs,

Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

SY 2016-17 Schools with Modulares and Trailers
Region 1

HERNDON H.S. PYRAMID

School	School Capacity			Classrooms in Modulares <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-Modulars rooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms		
Herndon HS ³	2,500	2,145	2,307	-162	-	-	-	-	-	11	2	10	23		
Herndon MS	1,176	1,065	1,018	47	-	-	-	-	-	-	-	6	6		
Clearview ES ^{1,2,3}	800	752	711	41	-	-	-	-	-	2	-	2	4		
Herndon ES ¹	1,232	1,008	865	143	9	1	-	10	280	3	-	1	4		
Hutchison ES ¹	1,220	1,026	1,042	-16	-	-	-	-	-	7	-	1	8		

LANGLEY H.S. PYRAMID

School	School Capacity			Classrooms in Modulares <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-Modulars rooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms		
Cooper MS ^{2,3}	1,200	928	801	127	6	1	5	12	336	-	-	-	-		
Churchill Road ES ²	924	868	794	74	10	-	-	10	280	-	-	3	3		

Table does not include the following schools under renovation: Langley HS and Forestville ES.

MADISON H.S. PYRAMID

School	School Capacity			Classrooms in Modulares <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-Modulars rooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms		
Flint Hill ES	700	670	705	-35	-	-	-	-	-	-	-	5	5		
Louise Archer ES ²	784	760	670	90	10	-	-	10	280	-	-	3	3		
Wolftrap ES	616	589	578	11	-	-	-	-	-	-	-	5	5		

OAKTON H.S. PYRAMID

School	School Capacity			Classrooms in Modulars <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>			
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self			Total # of Class-Modulars rooms	Design Capacity	Self			Total # of Class-rooms
					Gen. Ed.	Cont. Special Ed.	Other ⁴			Gen. Ed.	Cont. Special Ed.	Other ⁴	
Oakton HS	2,097	2,064	2,492	-428	-	-	-	-	-	8	1	4	13
Carson MS ²	1,539	1,487	1,524	-38	-	-	-	-	-	-	-	8	8
Mosby Woods ES ^{1,2}	1,038	982	1,031	-49	10	-	10	1	280	2	-	4	6
Navy ES ²	998	966	977	-11	-	-	-	-	-	-	-	2	2
Oakton ES	810	809	808	1	-	-	-	-	-	-	-	4	4
Waples Mill ES	1,036	867	902	-35	-	-	-	-	-	-	-	7	7

SOUTH LAKES H.S. PYRAMID

School	School Capacity			Classrooms in Modulars <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>			
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self			Total # of Class-Modulars rooms	Design Capacity	Self			Total # of Class-rooms
					Gen. Ed.	Cont. Special Ed.	Other ⁴			Gen. Ed.	Cont. Special Ed.	Other ⁴	
Hughes MS ²	1,114	1,094	1,017	77	-	-	-	-	-	3	0.5	5.5	9
Dogwood ES ¹	1,008	829	741	88	-	-	-	-	-	-	-	8	8
Forest Edge ES ^{1,2}	980	808	662	146	-	-	-	-	-	-	-	4	4
Fox Mill ES	840	736	606	130	-	-	-	-	-	3	-	4	7
Hunters Woods ES ^{1,2}	1,008	948	900	48	-	-	-	-	-	-	-	8	8
Lake Anne ES ¹	800	744	649	95	-	-	-	-	-	-	-	2	2

Table does not include the following school under renovation: South Lakes HS.

Trailers are typically used to alleviate short-term capacity concerns. At times, legacy trailers will remain at current locations until there is a need to relocate them in order to resolve capacity concerns at other schools.

Membership based on September 30th counts.

Capacities and capacity balances include modular additions.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

For more information on school capacity, refer to the Region Summaries section.

¹ Schools with a FECEP/Head Start program.

² **General education and AAP center school.**

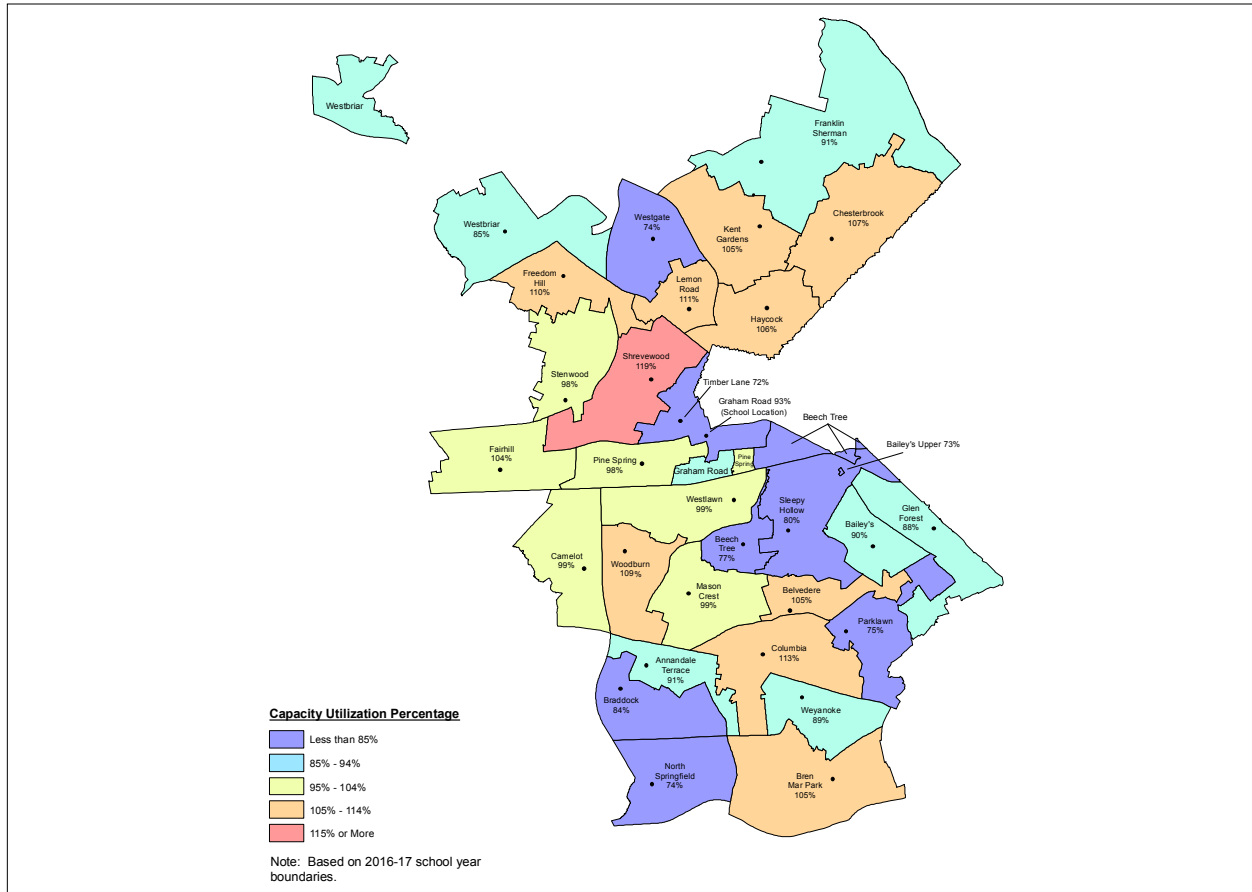
³ Numbers in italics are *future* design capacity after a renovation or capacity enhancement.

⁴ Includes elementary school programs or classes such as, but not limited to: special education, music, ESOL, resource (elementary schools), and special education, ESOL, resource, world language, health, PE, and electives (middle and high schools).

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs,

Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

Region 2 Projected Elementary School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Annandale HS Pyramid

Annandale Terrace: At the conclusion of the renovation in SY 2020-21, Annandale Terrace ES will have a design capacity of 750 students. Create a new AAP Center in the Annandale HS Pyramid and consider Annandale Terrace ES as a potential site. This option will provide capacity relief to Canterbury Woods ES and keep the pyramid cohorts together.

Bradstock: Create a new AAP Center in the Annandale HS Pyramid and consider Bradstock ES as a potential site. This option will provide capacity relief to Canterbury Woods ES and keep the pyramid cohorts together. Renovation to begin in the 10-year CIP cycle.

Bren Mar Park: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Columbia: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Mason Crest: Identify Mason Crest ES as a Falls Church HS Pyramid school to align with the 75 percent of students who will eventually attend that school. Stuart HS receives 25 percent of the students.

North Springfield: At the conclusion of the renovation in SY 2016-17, North Springfield ES will have a design capacity of 635 students.

Falls Church HS Pyramid

Fairhill: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Graham Road: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Pine Spring: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Reassign special education preschool students from other pyramids to provide capacity relief to Pine Spring ES.

Westlawn: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Woodburn: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Marshall HS Pyramid

Freedom Hill: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Examine reopening Dunn Loring Administrative Center as an elementary school to provide capacity relief to the Marshall HS Pyramid elementary schools.

Lemon Road: Monitor impact of student transfers to alleviate capacity concerns. Examine reopening Dunn Loring Administrative Center as an elementary school to provide capacity relief to the Marshall HS Pyramid elementary schools. Examine reopening Pimmit Hills Center as an elementary school to provide capacity relief to the McLean HS Pyramid.

Shreveewood: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Examine reopening Dunn Loring Administrative Center as an elementary school to provide capacity relief to the Marshall HS Pyramid elementary schools.

Stenwood: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Examine reopening Dunn Loring Administrative Center as an elementary school to provide capacity relief to the Marshall HS Pyramid elementary schools.

Westbriar: Alleviate Westbriar ES (Region 2) attendance island by reassigning students to Colvin Run ES (Region 1).

Dunn Loring Administrative Center: Examine reopening Dunn Loring Administrative Center as an elementary school to provide capacity relief to the Marshall HS Pyramid elementary schools.

McLean HS Pyramid

Chesterbrook: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Franklin Sherman: Relocate 8-classroom modular addition to Franklin Sherman ES. This option will provide capacity relief to Franklin Sherman ES. Open a new AAP Center at Franklin Sherman ES. Reassign AAP center students from Franklin Sherman ES and those who live closer to Franklin Sherman ES from Haycock ES. This option will provide capacity relief to Haycock ES.

Haycock: Open a new AAP Center at Franklin Sherman ES. Reassign AAP center students from Franklin Sherman ES and those who live closer to Franklin Sherman ES from Haycock ES. This option will provide capacity relief to Haycock ES.

Kent Gardens: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Explore adding capacity to an elementary school in the McLean HS Pyramid to alleviate capacity concerns in the pyramid. Examine reopening Pimmit Hills Center as an elementary school to provide capacity relief to the McLean HS Pyramid.

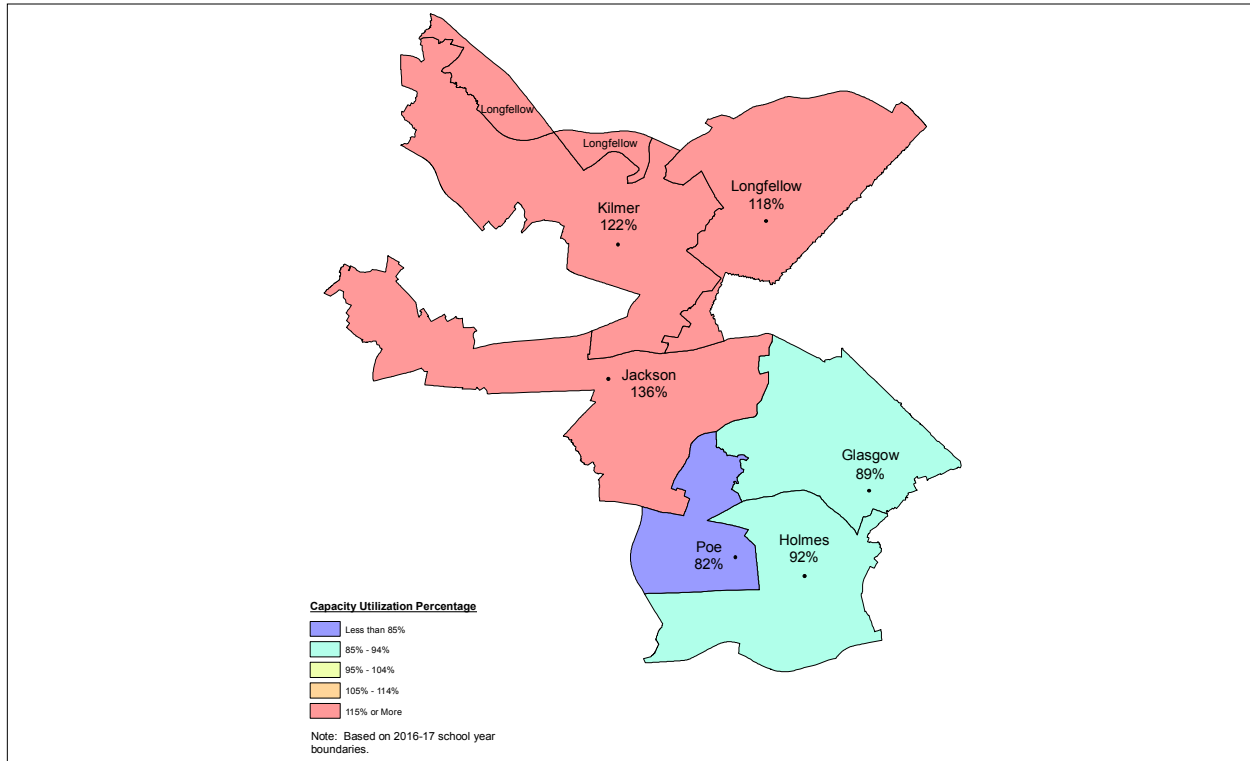
Pimmit Hills Center: Examine reopening Pimmit Hills Center as an elementary school to provide capacity relief to the McLean HS Pyramid.

Stuart HS Pyramid

Belvedere: Create a new AAP Center at an elementary school in the Annandale HS Pyramid. This option will provide capacity relief to Belvedere ES. Due to grade configurations, see related middle school changes at Glasgow MS.

Work with Fairfax County to construct a new community elementary school at the Willston Multicultural Center to alleviate potential future capacity concerns in the region.

Region 2 Projected Middle School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Annandale HS Pyramid

Holmes: Create a new AAP Center at Poe MS. Reassign the Annandale HS Pyramid middle school AAP students from Glasgow MS and Frost MS to the new AAP Center at Poe MS. This option will provide capacity relief to Glasgow MS and Frost MS. This option will promote the Annandale HS Pyramid cohorts.

Poe: Create a new AAP Center at Poe MS. Reassign the Annandale HS Pyramid middle school AAP students from Glasgow MS and Frost MS to the new AAP Center at Poe MS. This option will provide capacity relief to Glasgow MS and Frost MS. This option will promote the Annandale HS Pyramid cohorts.

Falls Church HS Pyramid

***Jackson:** Reassign a portion of the Jackson MS students, who will eventually attend Oakton HS, to Thoreau MS. This option will provide capacity relief to Jackson MS and help align feeder patterns.

*Priority Recommended Boundary Adjustment

Marshall HS Pyramid

Kilmer: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

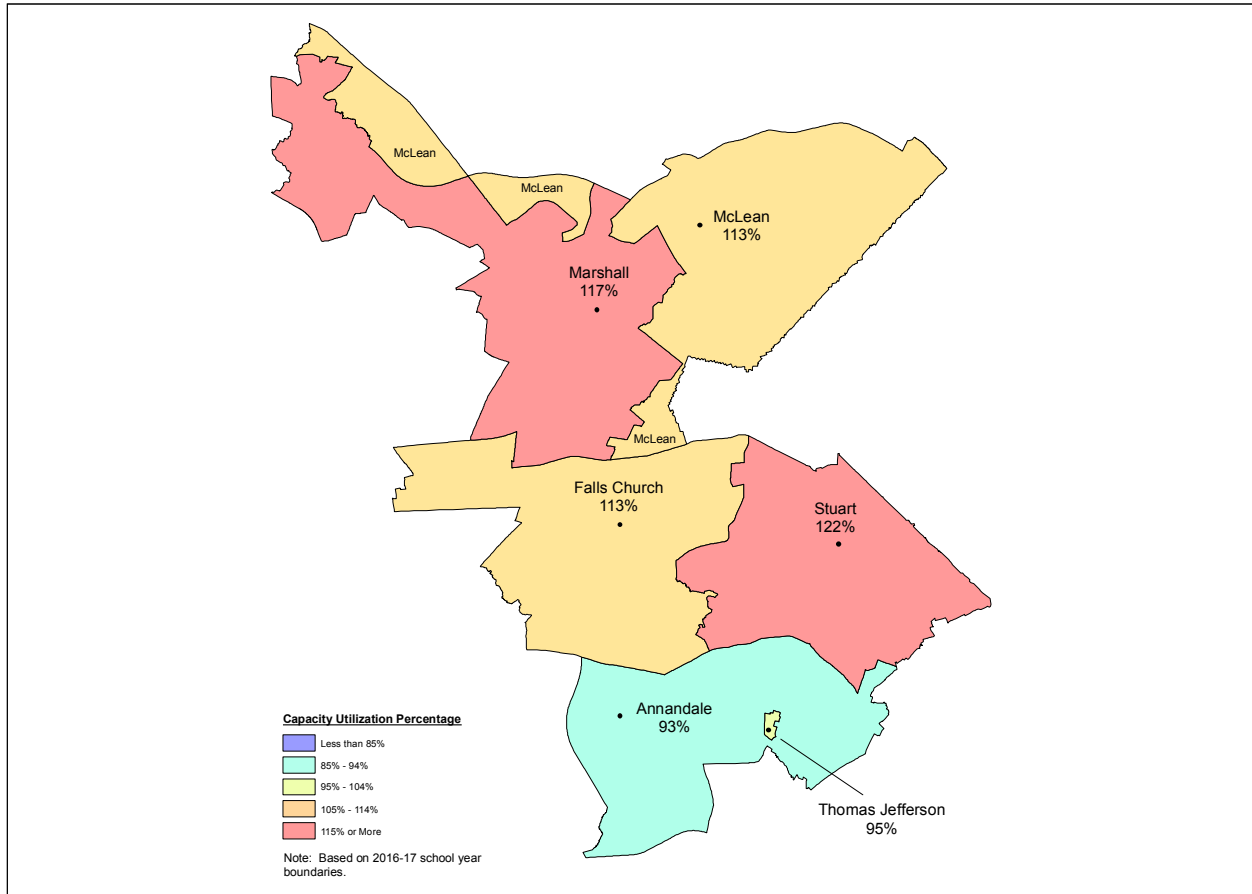
McLean HS Pyramid

Longfellow: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Stuart HS Pyramid

Glasgow: Relocate 10-classroom modular addition to Glasgow MS for SY 2017-18. This option will provide capacity relief to Glasgow MS. Create a new AAP Center at Poe MS. Reassign the Annandale HS Pyramid middle school AAP students from Glasgow MS and Frost MS to the new AAP Center at Poe MS. This option will provide capacity relief to Glasgow MS and Frost MS. This option will promote the Annandale HS Pyramid cohorts.

Region 2 Projected High School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Annandale: Remove surplus trailers and provide to schools who need temporary capacity relief.

TJHSST: At the conclusion of the renovation and capacity enhancement in SY 2017-18, Thomas Jefferson HS for Science and Technology will have a design capacity of 1,900 students.

Falls Church: Renovation to be completed in the 10-year CIP cycle.

Marshall: Install a modular addition at Marshall HS if the membership continues to increase. Reassign Marshall HS students to Langley HS. This option will provide capacity relief to Marshall HS.

McLean: Reassign McLean HS students to Langley HS. This option will provide capacity relief to McLean HS.

Stuart: Apply for a zoning variance for Stuart HS. Construct an addition to alleviate capacity deficit.

SY 2016-17 Capacity, Membership, and Projections
Region 2

ANNANDALE H.S. PYRAMID

School	Facility	SY 2016-17		Projection Variance		Projected Membership					Projected Program Capacity Balance						
		Design Capacity	Program Capacity	Membership Balance	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
					Projection	Variance %											Projection
Annandale HS	2,562	2,502	2,101	401	1,930	-93	-4%	2,198	2,258	2,222	2,297	2,316	304	244	280	205	186
TJHSST ³	1,900	1,730	1,789	-59	1,803	-14	-1%	1,788	1,802	1,802	1,804	1,811	112	98	98	96	89
Holmes MS	1,176	1,084	993	91	941	52	5%	1,012	1,011	1,039	1,039	995	72	73	45	45	89
Poe MS	1,341	1,152	892	260	911	-19	-2%	912	928	973	957	939	240	224	179	195	213
Annandale Terrace ES ³	750	784	684	100	719	-35	-5%	678	662	661	679	684	106	122	89	71	66
Braddock ES	1,176	942	806	136	834	-28	-3%	810	807	789	778	791	132	135	153	164	151
Bren Mar Park ES	668	517	535	-18	537	-2	0%	536	535	529	534	542	-19	-18	-12	-17	-25
Columbia ES ²	504	430	500	-70	465	35	7%	500	494	476	476	484	-70	-64	-46	-46	-54
Mason Crest ES	1,064	678	617	61	617	0	0%	629	638	656	667	668	49	40	22	11	10
North Springfield ES ³	635	657	498	159	517	-19	-4%	487	477	477	476	472	148	158	158	159	163
Weyanoke ES	836	642	563	79	523	40	7%	564	557	561	567	572	78	85	81	75	70

FALLS CHURCH H.S. PYRAMID

School	Facility	SY 2016-17		Projection Variance		Projected Membership					Projected Program Capacity Balance						
		Design Capacity	Program Capacity	Membership Balance	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
					Projection	Variance %											
Falls Church HS	1,962	1,954	1,956	-2	1,920	36	2%	2,008	2,040	2,065	2,111	2,211	-54	-86	-111	-157	-257
Jackson MS ⁴	1,287	1,163	1,436	-274	1,445	-9	-1%	1,488	1,443	1,522	1,599	1,585	-326	-281	-360	-437	-423
Camelot ES	764	751	693	58	627	66	10%	697	706	727	729	746	54	45	24	22	5
Fairhill ES	672	621	579	42	605	-26	-4%	610	622	630	630	646	11	-1	-9	-9	-25
Graham Road ES	616	472	476	-4	476	0	0%	462	473	456	450	438	10	-1	16	22	34
Pine Spring ES	724	566	585	-19	581	4	1%	570	579	566	560	553	-4	-13	0	6	13
Westlawn ES	912	798	831	-33	832	-1	0%	852	851	818	806	787	-54	-53	-20	-8	11
Woodburn ES	588	470	485	-15	445	40	8%	491	516	499	509	513	-21	-46	-29	-39	-43

MARSHALL H.S. PYRAMID

School	Facility	SY 2016-17		Projection Variance		Projected Membership					Projected Program Capacity Balance						
		Design Capacity	Program Capacity	Membership Balance	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
					Projection	Variance %											
Marshall HS ⁵	2,048	2,033	2,151	-118	2,088	63	3%	2,178	2,229	2,260	2,329	2,377	-145	-196	-227	-296	-344
Kilmer MS ⁴	1,152	1,080	1,238	-158	1,268	-30	-2%	1,260	1,284	1,288	1,309	1,313	-180	-204	-208	-229	-233
Freedom Hill ES ¹	672	653	658	-5	659	-1	0%	719	730	725	732	719	-66	-77	-72	-79	-66
Lemon Road ES ⁴	616	575	591	-16	541	50	8%	607	621	642	634	639	-32	-46	-67	-59	-64
Shrevewood ES	728	662	736	-75	759	-23	-3%	714	724	751	766	785	-53	-63	-90	-105	-124
Stenwood ES	568	538	557	-19	521	36	6%	560	559	553	544	525	-22	-21	-15	-6	13
Westbriar ES ⁴	1,036	941	830	111	808	22	3%	812	830	811	814	801	129	111	130	127	140
Westgate ES ²	790	700	548	152	587	-39	-7%	548	538	525	517	515	152	162	175	183	185

MCLEAN H.S. PYRAMID

School	Facility	Design Capacity	SY 2016-17		Projection Variance		Projected Membership				Projected Program Capacity Balance						
			Program Capacity	Membership Balance	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
					Projection	Variance %											Projection
McLean HS ⁶		1,993	1,967	2,053	2,036	17	1%	2,073	2,113	2,159	2,168	2,230	-106	-146	-192	-201	-263
Longfellow MS ⁴		1,347	1,242	1,346	1,324	22	2%	1,399	1,406	1,443	1,531	1,470	-157	-164	-201	-289	-228
Chesterbrook ES		700	667	679	680	-1	0%	694	729	708	711	715	-27	-62	-41	-44	-48
Franklin Sherman ES		504	435	410	401	9	2%	405	412	402	400	397	30	23	33	35	38
Haycock ES ⁴		932	910	968	902	66	7%	977	986	983	948	962	-67	-76	-73	-38	-52
Kent Gardens ES		896	848	966	970	-4	0%	953	948	929	904	891	-105	-100	-81	-56	-43
Timber Lane ES		868	668	565	648	-83	-15%	565	532	514	485	481	103	136	154	183	187

STUART H.S. PYRAMID

School	Facility	Design Capacity	SY 2016-17		Projection Variance		Projected Membership				Projected Program Capacity Balance						
			Program Capacity	Membership Balance	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
					Projection	Variance %											Projection
Stuart HS ⁶		1,994	1,993	2,095	2,138	-43	-2%	2,211	2,272	2,323	2,359	2,437	-218	-279	-330	-366	-444
Glasgow MS ^{3,4}		<i>1,969</i>	1,685	1,734	1,756	-22	-1%	1,752	1,822	1,850	1,856	1,744	217	147	119	113	225
Bailey's ES ⁷		1,360	810	723	730	-7	-1%	721	705	716	711	725	89	105	94	99	85
Bailey's Upper ES ^{2,7}		812	718	581	610	-5%	569	567	550	540	527	149	151	168	178	191	
Beech Tree ES		592	464	381	364	17	4%	387	381	373	362	357	77	83	91	102	107
Belvedere ES ⁴		840	633	726	738	-12	-2%	707	696	686	674	662	-74	-63	-53	-41	-29
Glen Forest ES		1,344	1,092	1,036	1,050	-14	-1%	1,067	1,028	997	977	957	25	64	95	115	135
Parklawn ES ²		1,192	842	714	702	12	2%	695	666	641	635	634	147	176	201	207	208
Sleepy Hollow ES		594	494	449	450	-1	0%	446	447	412	401	395	48	47	82	93	99

Current and projected membership numbers based on September 30th certified membership. Capacities and capacity balances include modular additions.

Membership figures do not include special education center students.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

¹ Boundary study impact. Schools currently going through phased-in boundary changes.

² Significant program or other changes.

³ Numbers in italics are *future* design capacity and projected capacity balance after a renovation or capacity enhancement.

⁴ **General education and AAP center school**

⁵ Membership figures include FECEP/Head Start students in high schools.

⁶ Membership figures include post graduate students.

⁷ Grades K-2 + FECEP at Bailey's ES, grades 3-5 at Bailey's Upper ES.

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs, Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

SY 2016-17 Schools with Modulares and Trailers
Region 2

ANNANDALE H.S. PYRAMID

School	School Capacity			Classrooms in Modulares <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership Capacity	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.			Total # of Modulares	Design Capacity	Gen. Ed.	Self Cont. Special Ed.			
						Other ⁴	Classrooms	Other ⁴				Classrooms	Other ⁴	Classrooms	
Annandale HS	2,562	2,502	2,101	401	6	-	-	6	12	1	336	5	4	18	27
Poe MS	1,341	1,152	892	260	-	-	-	-	-	-	-	-	-	5	5
Annandale Terrace ES ^{1,3}	750	784	684	100	10	-	-	10	1	1	280	-	-	16	16
Braddock ES ¹	1,176	942	806	136	9	-	-	1	10	1	280	3	-	7	10
Bren Mar Park ES ¹	668	517	535	-18	-	-	-	-	-	-	-	3	-	8	11
Columbia ES	504	430	500	-70	-	-	-	-	-	-	-	3	-	3	6
Weyanoke ES ¹	836	642	563	79	-	-	-	-	-	-	-	-	-	6	6

Table does not include the following schools under renovation: TJHSST and North Springfield ES.

FALLS CHURCH H.S. PYRAMID

School	School Capacity			Classrooms in Modulares <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership Capacity	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.			Total # of Modulares	Design Capacity	Gen. Ed.	Self Cont. Special Ed.			
						Other ⁴	Classrooms	Other ⁴				Classrooms	Other ⁴	Classrooms	
Jackson MS ²	1,287	1,163	1,436	-274	-	-	-	-	-	-	-	8	1	8	17
Camelot ES ¹	764	751	693	58	-	-	-	-	-	-	-	-	-	2	2
Fairhill ES ¹	672	621	579	42	-	-	-	-	-	-	-	-	-	9	9
Graham Road ES ¹	616	472	476	-4	-	-	-	-	-	-	-	3	-	1	4
Pine Spring ES ¹	724	566	585	-19	-	-	-	-	-	-	-	6	-	7	13
Westlawn ES ¹	912	798	831	-33	-	-	-	-	-	-	-	-	-	4	4
Woodburn ES	588	470	485	-15	-	-	-	-	-	-	-	2	-	6	8

MARSHALL H.S. PYRAMID

School	School Capacity			Classrooms in Modulares <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership Capacity	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.			Total # of Modulares	Design Capacity	Gen. Ed.	Self Cont. Special Ed.			
						Other ⁴	Classrooms	Other ⁴				Classrooms	Other ⁴	Classrooms	
Kilmer MS ²	1,152	1,080	1,238	-158	-	-	-	-	-	-	-	0.5	-	13.5	14
Freedom Hill ES ¹	672	653	658	-5	-	-	-	-	-	-	-	-	-	6	6
Lemon Road ES ²	616	575	591	-16	-	-	-	-	-	-	-	2	-	-	2
Shrevewood ES ¹	728	662	736	-75	-	-	-	-	-	-	-	4	-	3	7
Stenwood ES	568	538	557	-19	-	-	-	-	-	-	-	-	-	2	2

MCLEAN H.S. PYRAMID

School	School Capacity			Classrooms in Modulars <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership Capacity	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Total # of Modulars	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms
McLean HS	1,993	1,967	2,053	-86	-	-	-	-	-	-	9	-	1	10
Longfellow MS ²	1,347	1,242	1,346	-104	-	-	-	-	-	-	-	-	2	2
Chesterbrook ES	700	667	679	-12	-	-	-	-	-	-	-	-	4	4
Haycock ES ²	932	910	968	-58	-	-	-	-	-	-	4	-	-	4
Kent Gardens ES	896	848	966	-118	-	-	-	-	-	-	6	-	2	8
Timber Lane ES ¹	868	668	565	103	-	-	-	-	-	-	-	-	3	3

STUART H.S. PYRAMID

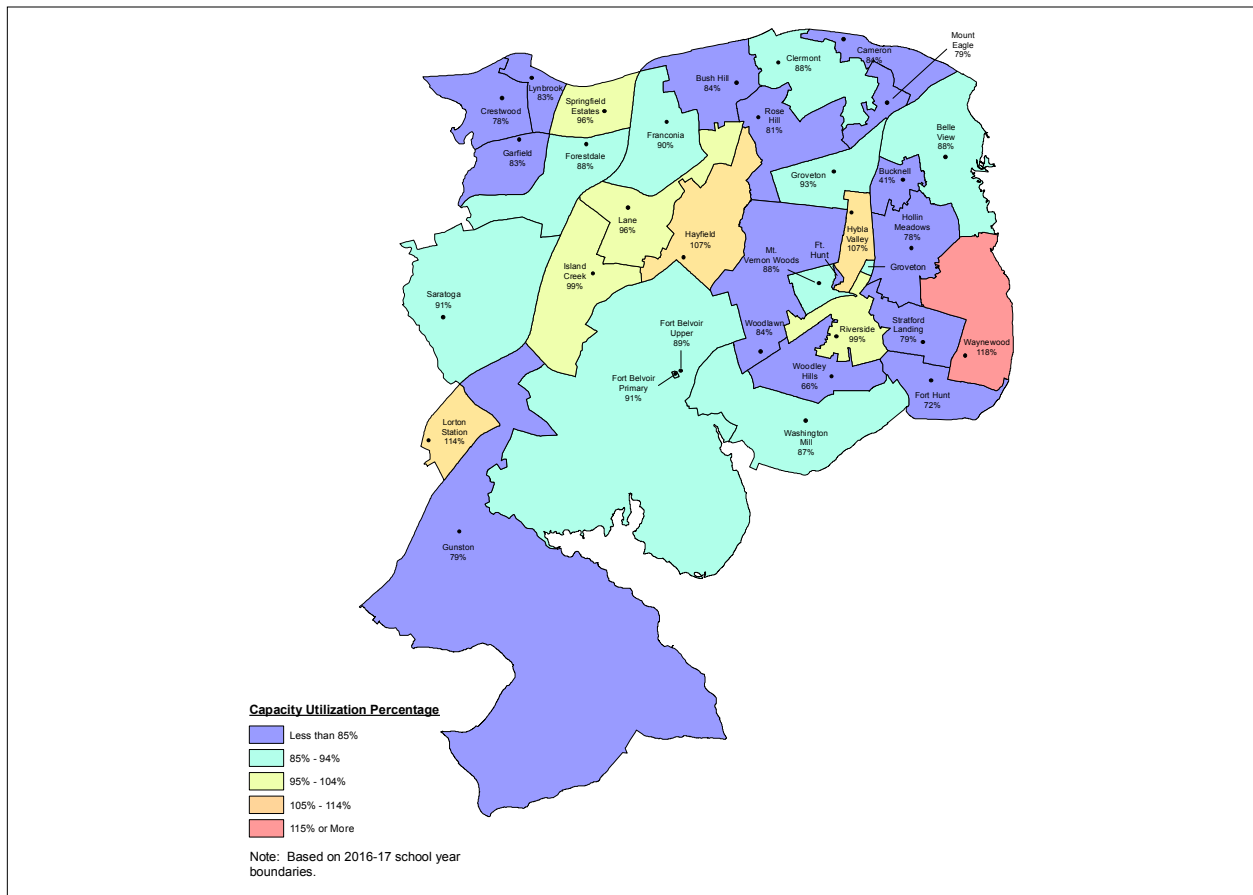
School	School Capacity			Classrooms in Modulars <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership Capacity	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Total # of Modulars	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms
Glasgow MS ^{2,3}	1,969	1,685	1,734	-50	-	-	-	-	-	-	4	-	-	4
Bailey's ES ¹	1,360	810	723	87	4	-	6	10	1	280	-	-	4	4
Belvedere ES ^{1,2}	840	633	726	-93	-	-	-	-	-	-	4	1	1	6
Glen Forest ES ¹	1,344	1,092	1,036	56	17	-	-	17	2	476	4	-	8	12
Parklawn ES ¹	1,192	842	714	128	9	1	-	10	1	280	-	-	7	7
Sleepy Hollow ES	594	494	449	45	-	-	-	-	-	-	-	-	5	5

Trailers are typically used to alleviate short-term capacity concerns. At times, legacy trailers will remain at current locations until there is a need to relocate them in order to resolve capacity concerns at other schools.

Membership based on September 30th counts.
 Capacities and capacity balances include modular additions.
 Design Capacity is based on the number of students a building can support per the original design of the building.
 Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.
 For more information on school capacity, refer to the Region Summaries section.
¹ Schools with a FECEP/Head Start program.
² **General education and AAP center school.**
³ Numbers in italics are *future* design capacity after a renovation or capacity enhancement.
⁴ Includes elementary school programs or classes such as, but not limited to: special education, music, ESOL, resource (elementary schools), and special education, ESOL, resource, world language, health, PE, and electives (middle and high schools).

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs, Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

Region 3 Projected Elementary School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Edison HS Pyramid

Bush Hill: Create a new AAP Center at Bush Hill ES in the Edison HS Pyramid. This option will provide capacity relief to Springfield Estates ES and keep the pyramid cohorts together.

Hayfield HS Pyramid

Hayfield: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Lorton Station: Create a new AAP Center in the South County HS Pyramid and consider Halley ES or Newington Forest ES as potential sites. This option will provide capacity relief to Lorton Station ES and promote pyramid cohorts.

Lee HS Pyramid

Springfield Estates: Create a new AAP Center at Bush Hill ES in the Edison HS Pyramid. This option will keep the pyramid cohorts together.

Mount Vernon HS Pyramid

Fort Belvoir Primary: Open special education programs at Fort Belvoir ES to serve base school students. This option will maximize school system efficiencies.

Mount Vernon Woods: At the conclusion of the renovation in SY 2019-20, Mount Vernon Woods ES will have a design capacity of 750 students.

Washington Mill: Renovation to begin in the 10-year CIP cycle.

West Potomac HS Pyramid

Belle View: At the conclusion of the renovation and capacity enhancement in SY 2019-20, Belle View ES will have a design capacity of 700 students.

***Bucknell:** At the conclusion of the renovation and capacity enhancement in SY 2018-19, Bucknell ES will have a design capacity of 600 students. Utilize surplus capacity to alleviate capacity concerns at other schools in the area.

Hollin Meadows: At the conclusion of the renovation and capacity enhancement in SY 2018-19, Hollin Meadows ES will have a design capacity of 750 students.

Hybla Valley: Potential for capacity relief through capital projects in the region. Renovation to begin in the 10-year CIP cycle.

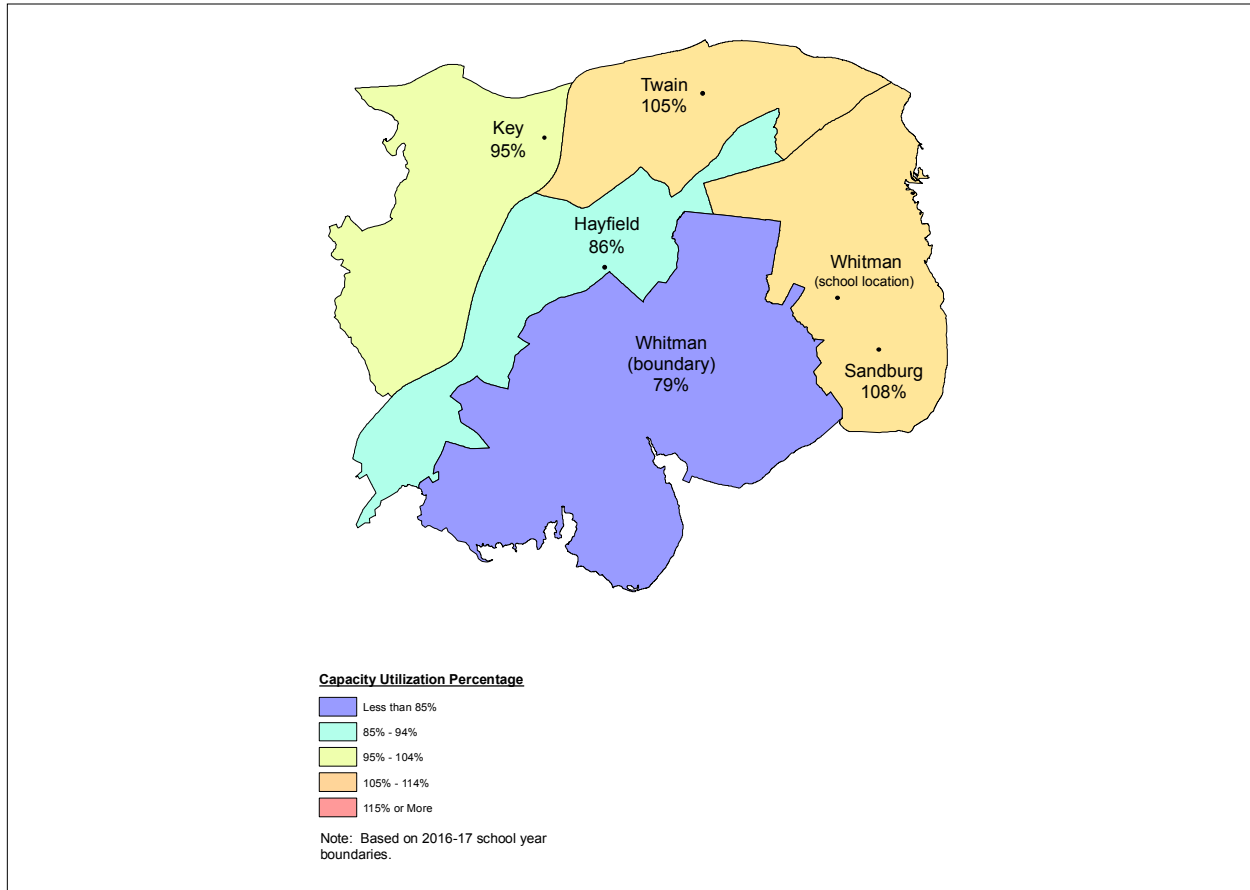
Stratford Landing: At the conclusion of the renovation and capacity enhancement in SY 2018-19, Stratford Landing ES will have a design capacity of 950 students. Relocate modular addition from Stratford Landing ES to another facility in need of capacity relief.

Wayneewood: At the conclusion of the renovation in SY 2018-19, Wayneewood ES will have a design capacity of 750 students. Monitor student membership and consider utilizing surplus capacity in surrounding schools to accommodate growth.

***Route 1 Area ES:** Build a new elementary school in the West Potomac area. Reassign students from surrounding schools to provide capacity relief.

*Priority Recommended Boundary Adjustment

Region 3 Projected Middle School Capacity Utilization, SY 2021-22



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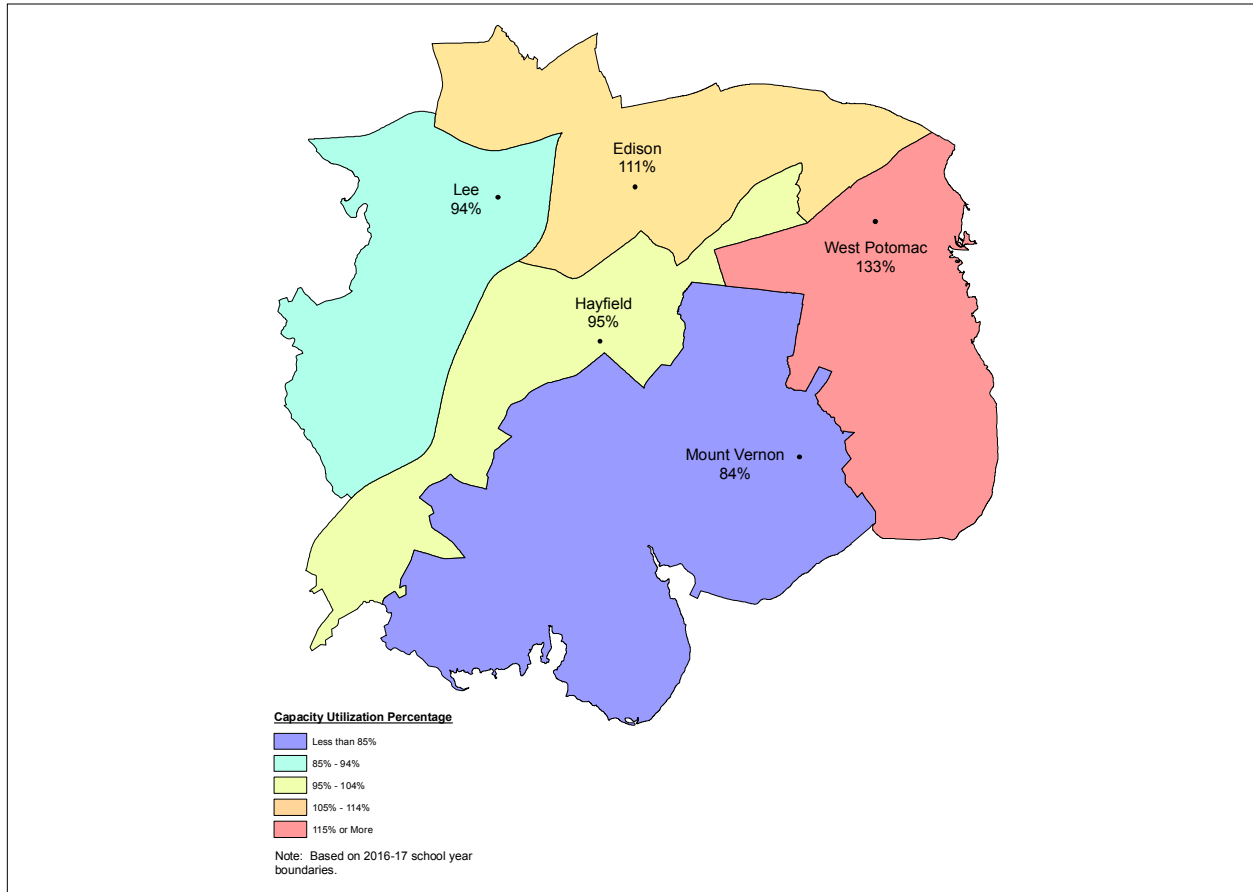
Edison HS Pyramid

Twain: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

West Potomac HS Pyramid

Sandburg: Monitor student membership. Evaluate space utilization in order to accommodate growth.

Region 3 Projected High School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Edison: Monitor student membership. Evaluate space utilization in order to accommodate growth.

West Potomac: Capacity enhancement required through permanent addition or usage of an additional FCPS facility to accommodate membership.

SY 2016-17 Capacity, Membership, and Projections
Region 3

EDISON H.S. PYRAMID

Facility	SY 2016-17			Projection Variance			Projected Membership			Projected Program Capacity Balance						
	Design Capacity	Program Membership Capacity	Membership Balance	Spring 2016		Variance %	SY17-18	SY18-19	SY20-21	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22		
				Projection	Variance											
Edison HS ^{2,6}	2,103	2,095	2,044	1,959	85	4%	2,065	2,111	2,174	2,226	2,321	30	-16	-79	-131	-226
Twin MS ⁴	1,027	1,011	984	982	2	0%	995	1,050	1,120	1,114	1,065	16	-39	-109	-103	-54
Bush Hill ES	620	566	478	469	9	2%	461	473	460	472	476	105	93	106	94	90
Cameron ES	952	624	528	552	-24	-5%	544	531	528	527	526	80	93	96	97	98
Clermont ES	624	611	580	542	38	7%	593	582	578	545	537	18	29	33	66	74
Franconia ES	616	583	522	478	44	8%	544	532	517	516	524	39	51	66	67	59
Mount Eagle ES	548	442	431	404	27	6%	419	401	379	361	348	23	41	63	81	94
Rose Hill ES	1,260	834	737	676	61	8%	713	709	689	679	674	121	125	145	155	160

HAYFIELD H.S. PYRAMID

Facility	SY 2016-17			Projection Variance			Projected Membership			Projected Program Capacity Balance						
	Design Capacity	Program Membership Capacity	Membership Balance	Spring 2016		Variance %	SY17-18	SY18-19	SY20-21	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22		
				Projection	Variance											
Hayfield HS	2,249	2,246	1,976	1,941	35	2%	2,022	2,057	2,065	2,126	2,143	224	189	181	120	103
Hayfield MS	1,283	1,169	888	923	-35	-4%	904	946	952	977	1,007	265	223	217	192	162
Gunston ES ²	744	634	518	537	-19	-4%	501	494	500	494	503	133	140	134	140	131
Hayfield ES	840	795	764	743	21	3%	790	808	837	843	851	5	-13	-42	-48	-56
Island Creek ES	1,008	826	800	809	-9	-1%	810	819	826	819	817	16	7	0	7	9
Lane ES	1,008	846	830	854	-24	-3%	827	832	817	814	810	19	14	29	32	36
Lorton Station ES ⁴	1,036	888	981	994	-13	-1%	1,015	1,023	1,020	1,013	1,014	-127	-135	-132	-125	-126

LEE H.S. PYRAMID

Facility	SY 2016-17			Projection Variance			Projected Membership			Projected Program Capacity Balance						
	Design Capacity	Program Membership Capacity	Membership Balance	Spring 2016		Variance %	SY17-18	SY18-19	SY20-21	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22		
				Projection	Variance											
Lee HS ^{1,6}	2,139	2,068	1,777	1,848	-71	-4%	1,782	1,801	1,807	1,878	1,936	286	267	261	190	132
Key MS	1,164	928	801	787	14	2%	850	867	886	888	877	78	61	42	40	51
Crestwood ES	924	752	652	635	17	3%	652	638	623	601	584	100	114	129	151	168
Forestdale ES	868	650	570	556	14	2%	566	559	562	566	574	84	91	88	84	76
Garfield ES	576	486	371	384	-13	-4%	377	383	387	396	402	109	103	99	90	84
Lynbrook ES	940	700	667	682	-15	-2%	690	682	641	614	583	10	18	59	86	117
Saratoga ES	1,036	830	710	748	-38	-5%	706	714	731	742	753	124	116	99	88	77
Springfield Estates ES ^{2,4}	904	832	808	762	46	6%	799	796	780	780	798	33	36	52	52	34

MOUNT VERNON H.S. PYRAMID

School	Facility	SY 2016-17		Projection Variance			Projected Membership			Projected Program Capacity Balance						
		Design Capacity	Program Membership Capacity	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
				Projection	Variance											Projection
Mount Vernon HS ⁵	2,451	2,439	2,025	1,989	36	2%	2,086	2,043	2,016	2,062	2,053	353	396	423	377	386
Whitman MS	1,344	1,224	968	956	12	1%	961	1,007	1,013	985	963	263	217	211	239	261
Fort Belvoir Primary ES ⁷	1,540	1,197	914	897	17	2%	1,039	1,096	1,108	1,133	1,085	158	101	89	64	112
Fort Belvoir Upper ES ⁷	840	812	539	539	0	0%	554	577	611	643	723	258	235	201	169	89
Mount Vernon Woods ES ^{2,3}	750	771	683	641	42	6%	693	677	675	675	660	78	73	75	75	90
Riverside ES ⁴	1,092	882	805	789	16	2%	825	885	853	862	877	57	47	29	20	5
Washington Mill ES	868	674	586	592	-6	-1%	595	599	590	581	584	79	75	84	93	90
Woodlawn ES	888	678	581	611	-30	-5%	597	579	573	561	567	81	99	105	117	111
Woodley Hills ES	1,064	802	627	645	-18	-3%	618	597	568	546	527	184	205	234	256	275

WEST POTOMAC H.S. PYRAMID

School	Facility	SY 2016-17		Projection Variance			Projected Membership			Projected Program Capacity Balance						
		Design Capacity	Program Membership Capacity	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
				Projection	Variance											Projection
West Potomac HS ⁵	2,231	2,160	2,592	2,607	-15	-1%	2,591	2,649	2,772	2,832	2,866	-431	-489	-612	-672	-706
Sandburg MS ⁴	1,460	1,391	1,415	1,396	19	1%	1,510	1,557	1,507	1,519	1,497	-120	-167	-117	-129	-107
Belle View ES ³	700	675	561	550	11	2%	568	589	609	620	618	107	86	91	80	82
Bucknell ES ³	600	382	250	259	-9	-4%	261	258	244	250	244	121	342	356	350	356
Fort Hunt ES	812	733	591	564	27	5%	566	560	548	543	526	167	173	185	190	207
Groveton ES	1,064	878	796	791	5	1%	815	814	817	808	820	63	64	61	70	58
Hollin Meadows ES ³	750	766	624	665	-41	-7%	617	605	598	593	583	149	145	152	157	167
Hybla Valley ES	1,008	837	959	971	-12	-1%	944	942	930	903	899	-107	-105	-93	-66	-62
Stratford Landing ES ^{3,4}	950	964	820	848	-28	-3%	804	793	774	753	752	160	157	176	197	198
Waynewood ES ³	750	806	790	742	48	6%	779	785	802	856	887	27	-35	-52	-106	-137

Current and projected membership numbers based on September 30th certified membership. Capacities and capacity balances include modular additions.

Membership figures do not include special education center students.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

¹ Boundary study impact. Schools currently going through phased-in boundary changes.

² Significant program or other changes.

³ Numbers in italics are *future* design capacity and projected capacity balance after a renovation or capacity enhancement.

⁴ **General education and AAP center school.**

⁵ Membership figures include FECEP/Head Start students in high schools.

⁶ Membership figures include post graduate students.

⁷ Grades K-3 at Fort Belvoir Primary ES, grades 4-6 at Fort Belvoir Upper ES beginning in 2016.

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs, Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

SY 2016-17 Schools with Modulators and Trailers
Region 3

EDISON H.S. PYRAMID

School	School Capacity				Classrooms in Modulators <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Total # of Modulators	Design Capacity	Self Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms
Twain MS2	1,027	1,011	984	27	-	-	-	-	-	-	-	-	6	6
Cameron ES ¹	952	624	528	96	3	-	5	8	1	224	-	-	-	-
Mount Eagle ES ¹	548	442	431	11	7	-	1	8	1	224	-	-	2	2
Rose Hill ES	1,260	834	737	97	10	-	-	10	1	280	-	-	1	1

HAYFIELD H.S. PYRAMID

School	School Capacity				Classrooms in Modulators <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Total # of Modulators	Design Capacity	Self Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms
Gunston ES	744	634	518	116	-	-	-	-	-	-	-	-	7	7
Hayfield ES	840	795	764	31	-	-	-	-	-	-	-	-	1	1
Lorton Station ES1,2	1,036	888	981	-93	-	-	-	-	-	-	10	-	4	14

LEE H.S. PYRAMID

School	School Capacity				Classrooms in Modulators <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Total # of Modulators	Design Capacity	Self Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms
Crestwood ES ¹	924	752	652	100	7	-	3	10	1	280	4	-	10	14
Forestdale ES ¹	868	650	570	80	10	-	2	12	1	336	3	-	3	6
Lynbrook ES ¹	940	700	667	33	-	-	-	-	-	-	4	-	7	11
Saratoga ES ¹	1,036	830	710	120	-	-	-	-	-	-	-	-	4	4

MOUNT VERNON H.S. PYRAMID

School	School Capacity			Classrooms in Modulars <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self		Other ⁴	Total # of Class-rooms	Total # of Modulars	Design Capacity	Gen. Ed.	Self		Total # of Class-rooms
					Cont. Ed.	Special Ed.						Gen. Ed.	Special Ed.	
Whitman MS	1,344	1,224	968	256	-	-	-	-	-	-	-	-	-	2
Mount Vernon Woods ES ^{1,3}	750	771	683	88	-	2	12	1	1	336	-	-	-	2
Riverside ES ^{1,2}	1,092	882	805	77	-	-	10	1	1	280	-	-	-	7
Washington Mill ES ¹	868	674	586	88	1	2	10	1	1	280	8	-	5	13

WEST POTOMAC H.S. PYRAMID

School	School Capacity			Classrooms in Modulars <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>					
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self		Other ⁴	Total # of Class-rooms	Total # of Modulars	Design Capacity	Gen. Ed.	Self		Total # of Class-rooms
					Cont. Ed.	Special Ed.						Gen. Ed.	Special Ed.	
West Potomac HS ¹	2,231	2,160	2,592	-432	-	-	-	-	-	-	13	1	4	18
Belle View ES ^{1,3}	700	675	561	114	-	-	-	-	-	-	-	-	2	2
Groveton ES ¹	1,064	878	796	82	-	-	10	1	1	280	-	-	5	5
Hylba Valley ES ¹	1,008	837	959	-122	-	-	-	-	-	-	8	-	8	16
Wayneood ES ³	750	806	790	16	-	-	8	1	1	224	-	-	3	3

Table does not include the following schools under renovation: Bucknell ES, Hollin Meadows ES, Stratford Landing ES, and Wayneood ES.

Trailers are typically used to alleviate short-term capacity concerns. At times, legacy trailers will remain at current locations until there is a need to relocate them in order to resolve capacity concerns at other schools.

Membership based on September 30th counts.

Capacities and capacity balances include modular additions.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

For more information on school capacity, refer to the Region Summaries section.

¹ Schools with a FECEP/Head Start program.

² **General education and AAP center school.**

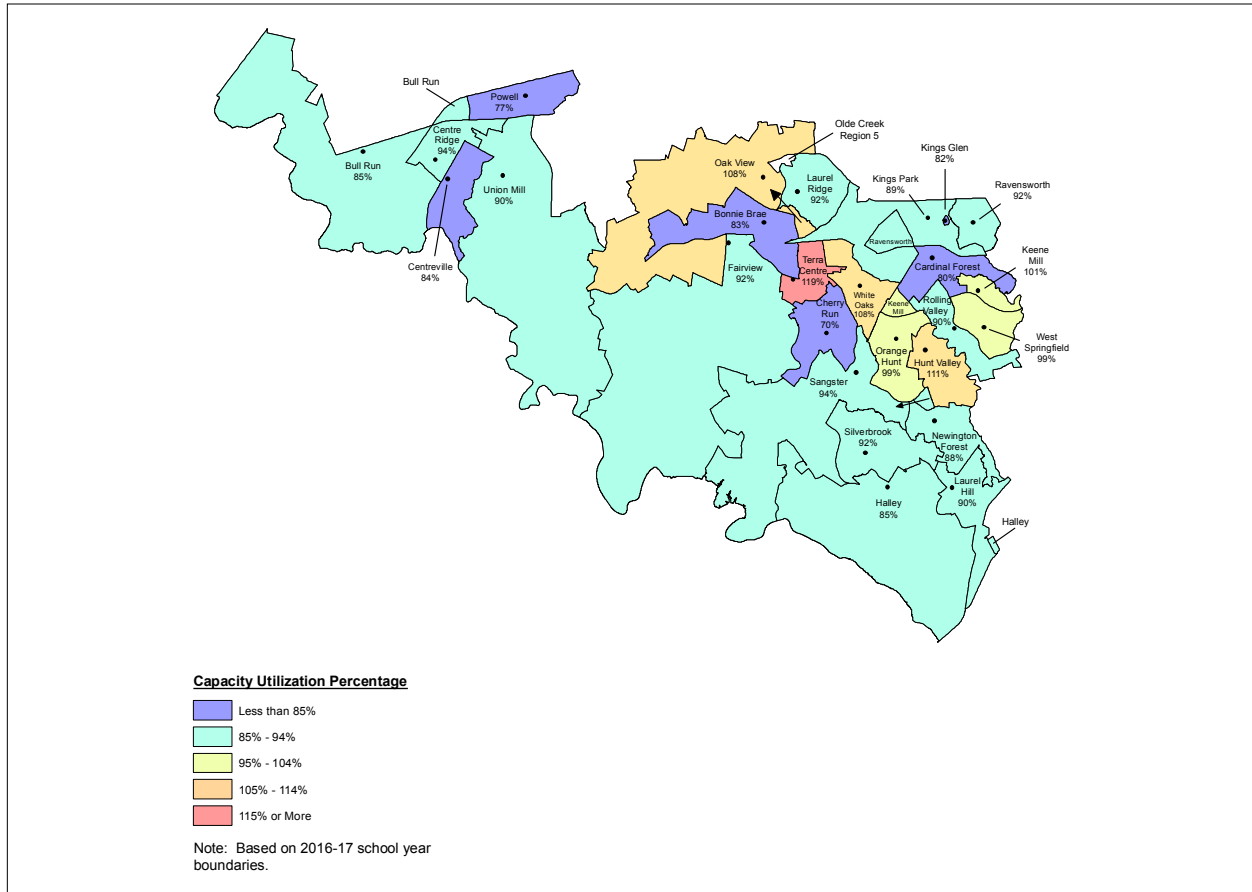
³ Numbers in italics are *future* design capacity after a renovation or capacity enhancement.

⁴ Includes elementary school programs or classes such as, but not limited to: special education, music, ESOL, resource (elementary schools), and special education, ESOL, resource, world language, health, PE, and electives (middle and high schools).

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Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollment/dashboard>

Region 4 Projected Elementary School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

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Lake Braddock HS Pyramid

Cherry Run: At the conclusion of the renovation in SY 2018-19, Cherry Run ES will have a design capacity of 595 students.

White Oaks: At the conclusion of the renovation in SY 2018-19, White Oaks ES will have a design capacity of 925 students. Open an AAP Center at Bonnie Brae ES. Reassign Robinson HS Pyramid students from White Oaks AAP Center to the new AAP Center at Bonnie Brae ES. This option will provide capacity relief to White Oaks ES and promote pyramid cohorts.

Robinson HS Pyramid

Bonnie Brae: Open an AAP Center for the Robinson HS Pyramid at Bonnie Brae ES. Reassign Robinson HS Pyramid students from White Oaks AAP Center to the new AAP Center at Bonnie Brae ES. This option will provide capacity relief to White Oaks ES and promote pyramid cohorts.

Oak View: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Terra Centre: Open additional ECCB classrooms in the Robinson and Lake Braddock HS Pyramids. Reassign residing students in these school boundaries to these new programs. This option will provide capacity relief to Terra Centre ES.

South County HS Pyramid

Halley: Create a new AAP Center in the South County HS Pyramid and consider Halley ES as a potential site. This option will provide capacity relief to Lorton Station ES and promote pyramid cohorts.

Newington Forest: At the conclusion of the renovation in SY 2019-20, Newington Forest ES will have a design capacity of 600 students. Create a new AAP Center in the South County HS Pyramid and consider Newington Forest ES as a potential site. This option will provide capacity relief to Lorton Station ES and promote pyramid cohorts.

Silverbrook: At the conclusion of the renovation in SY 2020-21, Silverbrook ES will have a design capacity of 970 students.

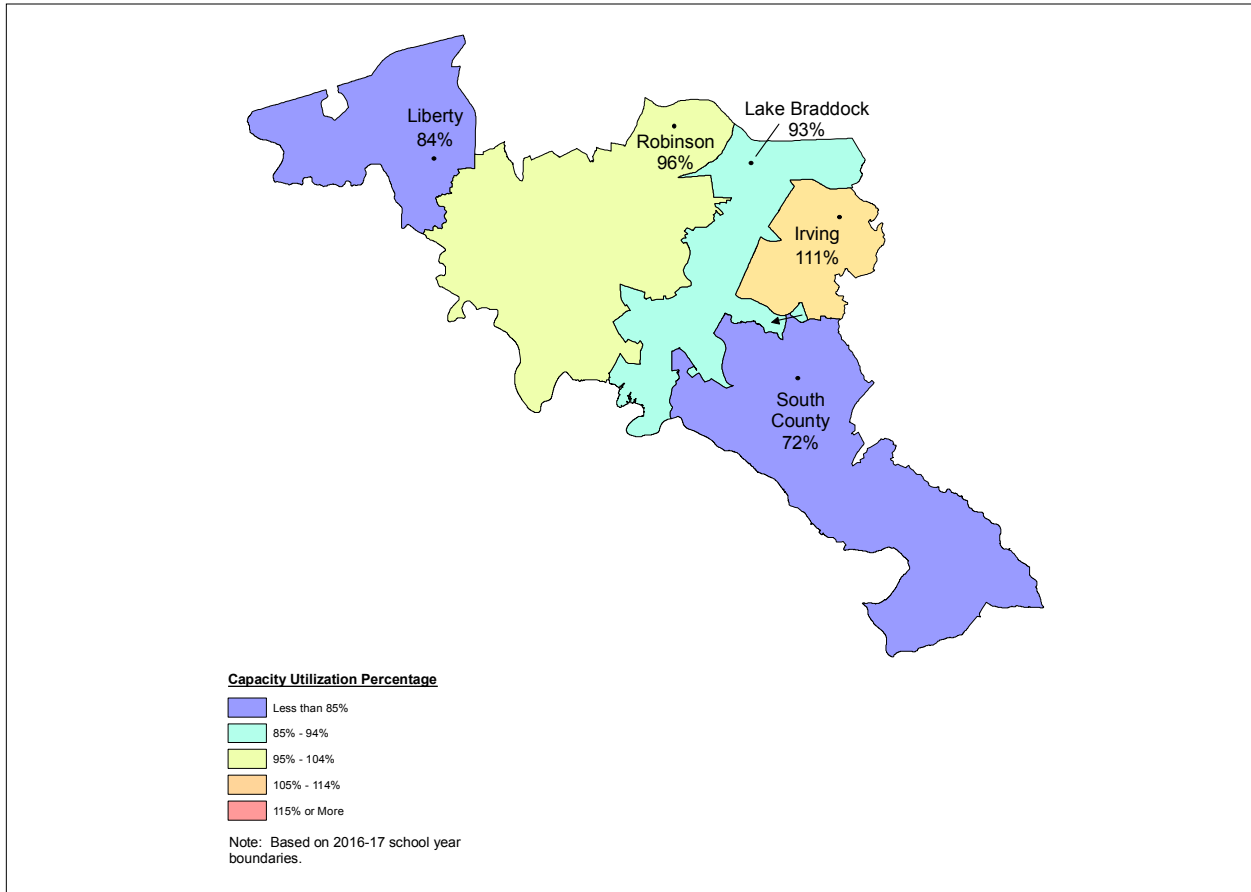
West Springfield HS Pyramid

Hunt Valley: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Open additional programs for special education students in the West Springfield HS Pyramid. Reassign students to their base school. This option will provide capacity relief to Hunt Valley ES.

Keene Mill: Monitor student membership. Open a new AAP Center in the Robinson HS Pyramid. This option will provide capacity relief to AAP Centers in the Lake Braddock HS Pyramid. This will allow students from the Lake Braddock HS Pyramid to be assigned to AAP Centers in their pyramid and provide capacity relief to Keene Mill ES. This option will align pyramids.

Orange Hunt: Open a program for special education students at Orange Hunt ES for Orange Hunt ES students. This option will provide capacity relief to Hunt Valley ES.

Region 4 Projected Middle School Capacity Utilization, SY 2021-22



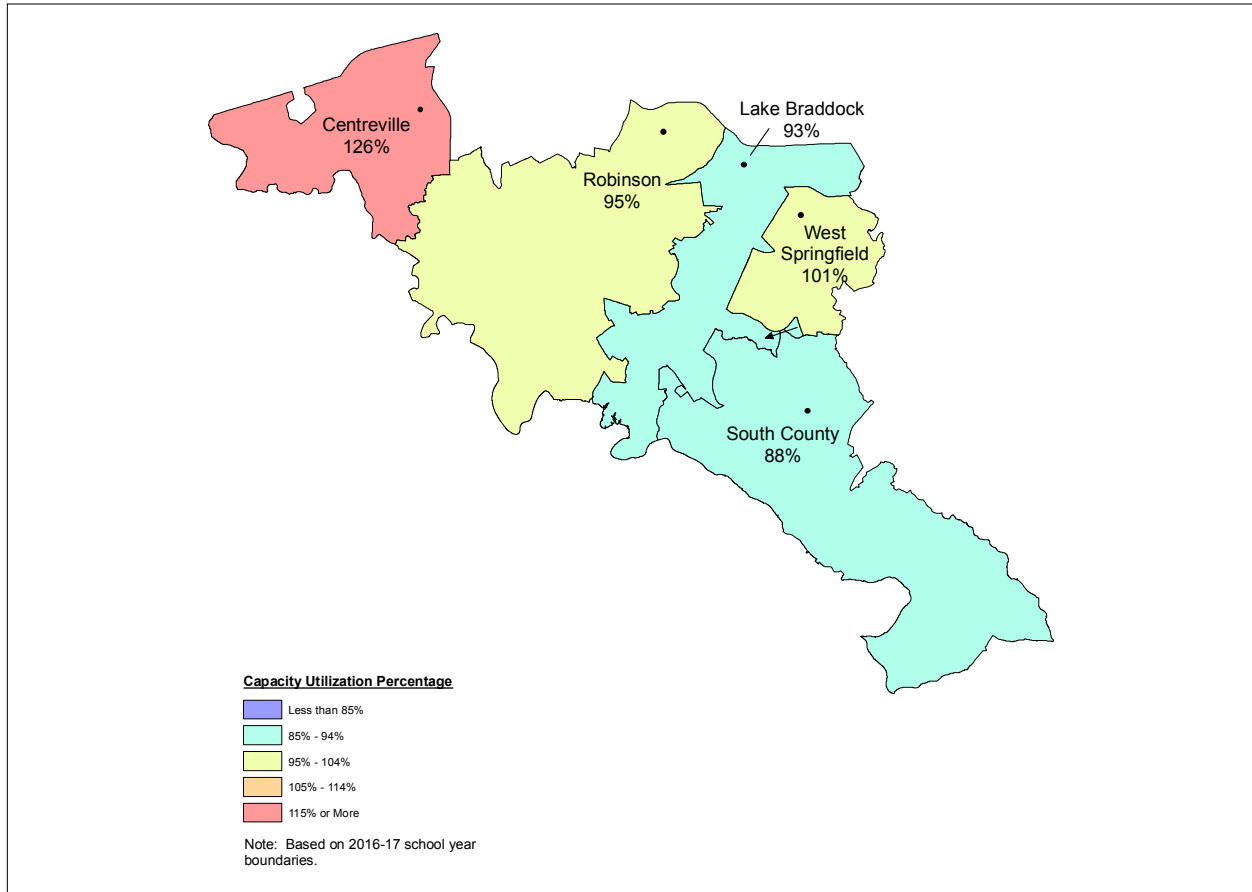
For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

West Springfield HS Pyramid

Irving: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Region 4 Projected High School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Centreville: Construct a new high school in the western end of the Silver Line Metro vicinity. This solution will involve multiple boundary adjustments to the schools in the western portion of the county such as Chantilly, Centreville, Herndon, Oakton, South Lakes, and Westfield High schools.

West Springfield: At the conclusion of the renovation and capacity enhancement in SY 2020-21, West Springfield HS will have a design capacity of 2,350 students.

SY 2016-17 Capacity, Membership, and Projections
Region 4

CENTREVILLE H.S. PYRAMID

Facility	SY 2016-17			Projected Membership			Projected Program Capacity Balance				
	Design Capacity	Program Capacity	Membership Balance	Spring 2016 Projection	Spring 2016 Projection Variance	Spring 2016 Projection Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
School											
Centreville HS ⁶	2,143	2,135	2,507	2,511	-4	0%	2,561	2,545	2,579	2,635	2,690
Liberty MS	1,350	1,285	1,046	1,083	-37	-4%	1,083	1,127	1,136	1,145	1,079
Bull Run ES ⁴	1,008	952	832	825	7	1%	826	831	834	825	812
Centre Ridge ES	1,008	862	807	867	-60	-7%	831	828	822	822	810
Centreville ES	1,288	950	860	896	-36	-4%	858	828	813	794	797
Collin Powell ES	1,316	1,016	960	936	24	3%	906	874	831	806	784
Union Mill ES	1,120	1,038	966	921	45	5%	950	948	934	918	931
							-426	-410	-444	-500	-555
							202	158	149	140	206
							126	121	118	127	140
							31	34	40	40	52
							92	122	137	156	153
							110	142	185	210	232
							88	90	104	120	107

LAKE BRADDOCK H.S. PYRAMID

Facility	SY 2016-17			Projected Membership			Projected Program Capacity Balance				
	Design Capacity	Program Capacity	Membership Balance	Spring 2016 Projection	Spring 2016 Projection Variance	Spring 2016 Projection Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
School											
Lake Braddock HS ⁶	3,124	3,087	2,805	2,762	43	2%	2,820	2,833	2,855	2,865	2,880
Lake Braddock MS ⁴	1,644	1,629	1,422	1,405	17	1%	1,438	1,422	1,425	1,500	1,518
Cherry Run ES ³	595	585	454	492	-38	-8%	440	440	433	417	414
Kings Glen ES ⁷	672	560	459	473	-14	-3%	467	470	461	467	459
Kings Park ES ⁷	940	748	690	666	24	3%	682	689	688	675	669
Ravenworth ES	662	629	557	578	-21	-4%	578	579	581	574	578
Sangster ES ⁴	1,008	975	968	928	40	4%	960	949	954	927	917
White Oaks ES ^{3,4}	925	929	865	869	-4	0%	913	953	982	997	1,000
							267	254	232	222	207
							191	207	204	129	111
							145	155	162	178	181
							93	90	99	93	101
							66	59	60	73	79
							51	50	48	55	51
							15	26	21	48	58
							16	-28	-57	-72	-75

ROBINSON H.S. PYRAMID

Facility	SY 2016-17			Projected Membership			Projected Program Capacity Balance				
	Design Capacity	Program Capacity	Membership Balance	Spring 2016 Projection	Spring 2016 Projection Variance	Spring 2016 Projection Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
School											
Robinson HS ^{5,6}	2,752	2,747	2,719	2,661	58	2%	2,662	2,605	2,627	2,633	2,616
Robinson MS	1,334	1,318	1,184	1,205	-21	-2%	1,201	1,219	1,196	1,250	1,262
Bonnie Brae ES	1,018	793	747	756	-9	-1%	741	706	697	681	661
Fairview ES	812	721	676	635	41	6%	663	668	676	664	665
Laurel Ridge ES	1,092	936	863	814	49	6%	861	869	868	851	859
Oak View ES	924	862	816	796	20	2%	829	853	898	914	934
Terra Centre ES	618	589	599	565	34	6%	593	607	644	663	701
							85	142	120	114	131
							117	99	122	68	56
							52	87	96	112	132
							58	53	45	57	56
							75	67	68	85	77
							33	9	-36	-52	-72
							-4	-18	-55	-74	-112

SOUTH COUNTY H.S. PYRAMID

School	Facility	SY 2016-17		Projection Variance		Projected Membership				Projected Program Capacity Balance							
		Design Capacity	Program Capacity	Membership Balance	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
					Projection	Variance %											
South County HS	2,500	2,474	2,210	264	2,155	55	2%	2,182	2,174	2,154	2,145	2,172	292	300	320	329	302
South County MS ⁴	1,410	1,367	1,061	306	1,047	14	1%	1,069	1,043	1,060	1,059	989	298	324	307	308	378
Halley ES	1,008	796	712	84	683	29	4%	690	679	666	679	678	106	117	130	117	118
Laurel Hill ES	1,064	947	927	20	947	-20	-2%	948	925	879	850	852	-1	22	68	97	95
Newington Forest ES ³	600	640	540	100	562	-22	-4%	535	526	528	517	527	105	74	72	83	73
Silverbrook ES ⁵	970	837	813	24	758	55	7%	830	856	868	880	890	7	-19	102	90	80

WEST SPRINGFIELD H.S. PYRAMID

School	Facility	SY 2016-17		Projection Variance		Projected Membership				Projected Program Capacity Balance							
		Design Capacity	Program Capacity	Membership Balance	Spring 2016		SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	
					Projection	Variance %											
West Springfield HS ^{1,3}	2,350	2,163	2,209	-46	2,131	78	4%	2,118	2,184	2,251	2,329	2,378	45	-21	-88	21	-28
Irving MS	1,152	1,131	1,056	75	1,071	-15	-1%	1,069	1,103	1,108	1,180	1,259	62	28	23	-49	-128
Cardinal Forest ES	800	684	653	31	617	36	6%	654	636	604	583	547	30	48	80	101	137
Hunt Valley ES	840	709	706	3	698	8	1%	708	720	771	776	788	1	-11	-62	-67	-79
Keene Mill ES ⁴	784	757	770	-13	778	-8	-1%	775	778	776	769	762	-18	-21	-19	-12	-5
Orange Hunt ES	952	892	865	27	810	55	6%	867	886	893	883	887	25	6	-1	9	5
Rolling Valley ES	784	668	574	94	577	-3	-1%	598	604	597	602	600	70	64	71	66	68
West Springfield ES ¹	680	577	526	51	501	25	5%	530	539	553	567	574	47	38	24	10	3

Current and projected membership numbers based on September 30th certified membership.

Capacities and capacity balances include modular additions.

Membership figures do not include special education center students.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

¹ Boundary study impact. Schools currently going through phased-in boundary changes.

² Significant program or other changes.

³ Numbers in italics are *future* design capacity and projected capacity balance after a renovation or capacity enhancement.

⁴ **General education and AAP center school.**

⁵ Membership figures include FECEP/Head Start students in high schools.

⁶ Membership figures include post-graduate students.

⁷ Grades K-3 at Kings Park ES, grades 4-6 at Kings Glen ES.

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs,

Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

SY 2016-17 Schools with Modularity and Trailers
Region 4

CENTREVILLE H.S. PYRAMID

School	School Capacity			Classrooms in Modularity <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self			Total # of Classrooms	Total # of Modularity	Design Capacity	Self			Total # of Classrooms
					Gen. Ed.	Cont. Special Ed.	Other ⁴				Gen. Ed.	Cont. Special Ed.	Other ⁴	
Centreville HS	2,143	2,135	2,507	-372	5	-	3	8	1	224	12	-	2	14
Bull Run ES ²	1,008	952	832	120	-	-	-	-	-	-	-	-	10	10
Centre Ridge ES ¹	1,008	862	807	55	-	-	-	-	-	-	-	-	6	6
Centreville ES ¹	1,288	950	860	90	5	-	5	10	1	280	-	-	-	-
Colin Powell ES	1,316	1,016	960	56	5	0.5	4.5	10	1	280	-	-	-	-
Union Mill ES	1,120	1,038	966	72	-	-	-	-	-	-	-	-	4	4

LAKE BRADDOCK H.S. PYRAMID

School	School Capacity			Classrooms in Modularity <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self			Total # of Classrooms	Total # of Modularity	Design Capacity	Self			Total # of Classrooms
					Gen. Ed.	Cont. Special Ed.	Other ⁴				Gen. Ed.	Cont. Special Ed.	Other ⁴	
Kings Glen ES	672	560	459	101	-	-	-	-	-	-	-	-	3	3
Kings Park ES	940	748	690	58	-	-	-	-	-	-	-	-	2	2
Sangster ES ²	1,008	975	968	7	-	-	-	-	-	-	-	-	5	5

Table does not include the following schools under renovation: Cherry Run ES and White Oaks ES.

ROBINSON H.S. PYRAMID

School	School Capacity			Classrooms in Modularity <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Self			Total # of Classrooms	Total # of Modularity	Design Capacity	Self			Total # of Classrooms
					Gen. Ed.	Cont. Special Ed.	Other ⁴				Gen. Ed.	Cont. Special Ed.	Other ⁴	
Robinson HS ¹	2,752	2,747	2,719	28	8	-	2	10	1	280	4.5	2	9.5	16
Robinson MS	1,334	1,318	1,184	134	-	-	-	-	-	-	-	1	-	1
Bonnie Brae ES ¹	1,018	793	747	46	-	-	-	-	-	-	-	-	2	2
Fairview ES	812	721	676	45	-	-	-	-	-	-	-	-	2	2
Laurel Ridge ES	1,092	936	863	73	-	-	-	-	-	-	-	-	4	4

SOUTH COUNTY H.S. PYRAMID

School	School Capacity		Classrooms in Modulars <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Total # of Class-rooms
Laurel Hill ES	1,064	947	927	20	-	-	-	-	-	-	2	2
Silverbrook ES ³	970	837	813	24	-	-	-	-	-	-	2	2

Table does not include the following school under renovation: Newington Forest ES.

WEST SPRINGFIELD H.S. PYRAMID

School	School Capacity		Classrooms in Modulars <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Total # of Class-rooms
Cardinal Forest ES ¹	800	684	653	31	-	-	-	-	-	-	3	3
Hunt Valley ES	840	709	706	3	-	-	-	-	-	-	1	1
Orange Hunt ES	952	892	865	27	-	-	-	-	-	-	2	2
West Springfield ES	680	577	526	51	-	-	-	-	-	-	3	3

Table does not include the following school under renovation: West Springfield HS.

Trailers are typically used to alleviate short-term capacity concerns. At times, legacy trailers will remain at current locations until there is a need to relocate them in order to resolve capacity concerns at other schools.

Membership based on September 30th counts.

Capacities and capacity balances include modular additions.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

For more information on school capacity, refer to the Region Summaries section.

¹ Schools with a FECEP/Head Start program.

² **General education and AAP center school.**

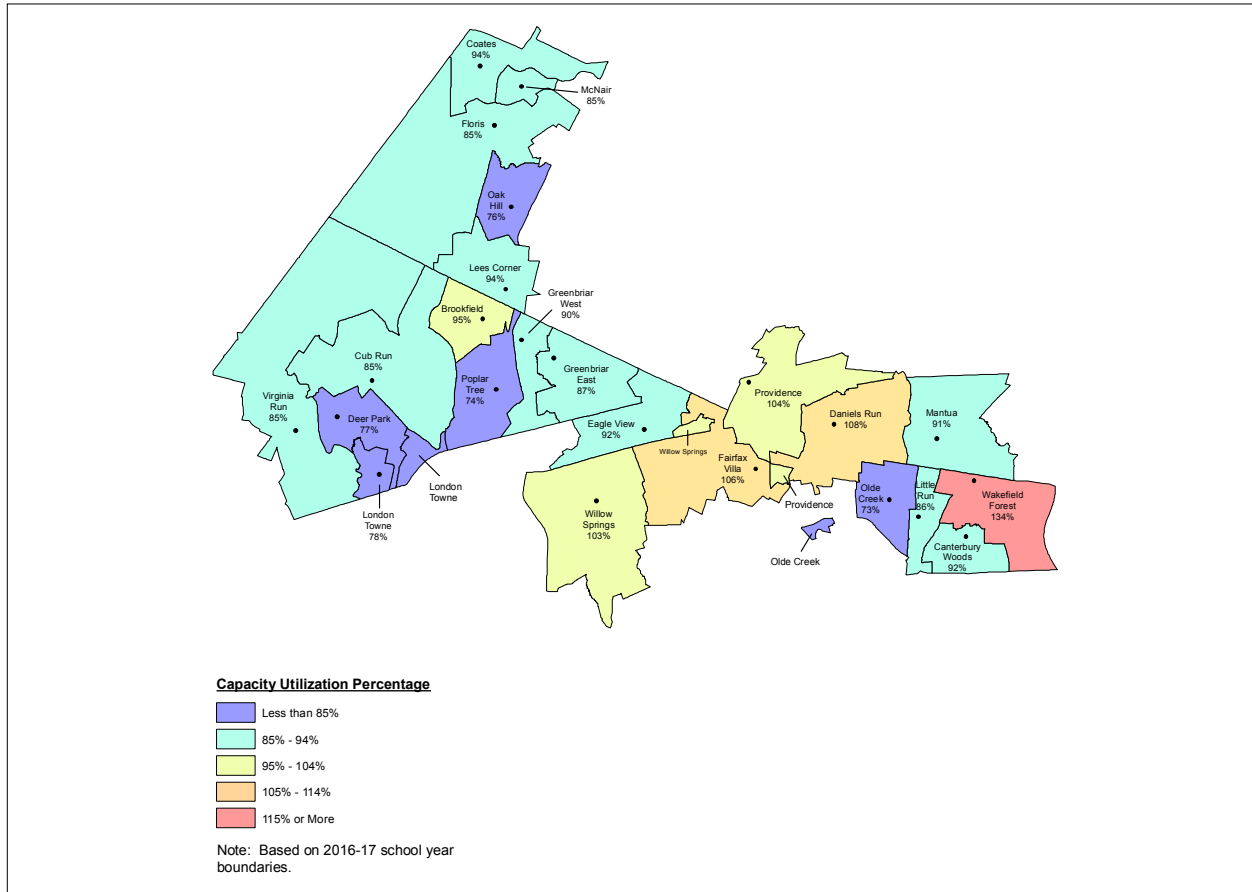
³ Numbers in italics are *future* design capacity after a renovation or capacity enhancement.

⁴ Includes elementary school programs or classes such as, but not limited to: special education, music, ESOL, resource (elementary schools), and special education, ESOL, resource, world language, health, PE, and electives (middle and high schools).

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs,

Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

Region 5 Projected Elementary School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Chantilly HS Pyramid

Oak Hill: Renovation to begin in the 10-year CIP cycle.

Fairfax HS Pyramid

Daniels Run: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Providence: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Create a new AAP Center at Providence ES. Reassign the City of Fairfax AAP students from Mosby Woods ES AAP Center to the new AAP Center at Providence ES. This option will provide capacity relief to Mosby Woods ES.

Willow Springs: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Westfield HS Pyramid

Coates: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

McNair: Construct North West County ES on the site of McNair ES to open in SY 2020-21. This option will provide necessary capacity relief to the school.

North West County ES: See "McNair."

Woodson HS Pyramid

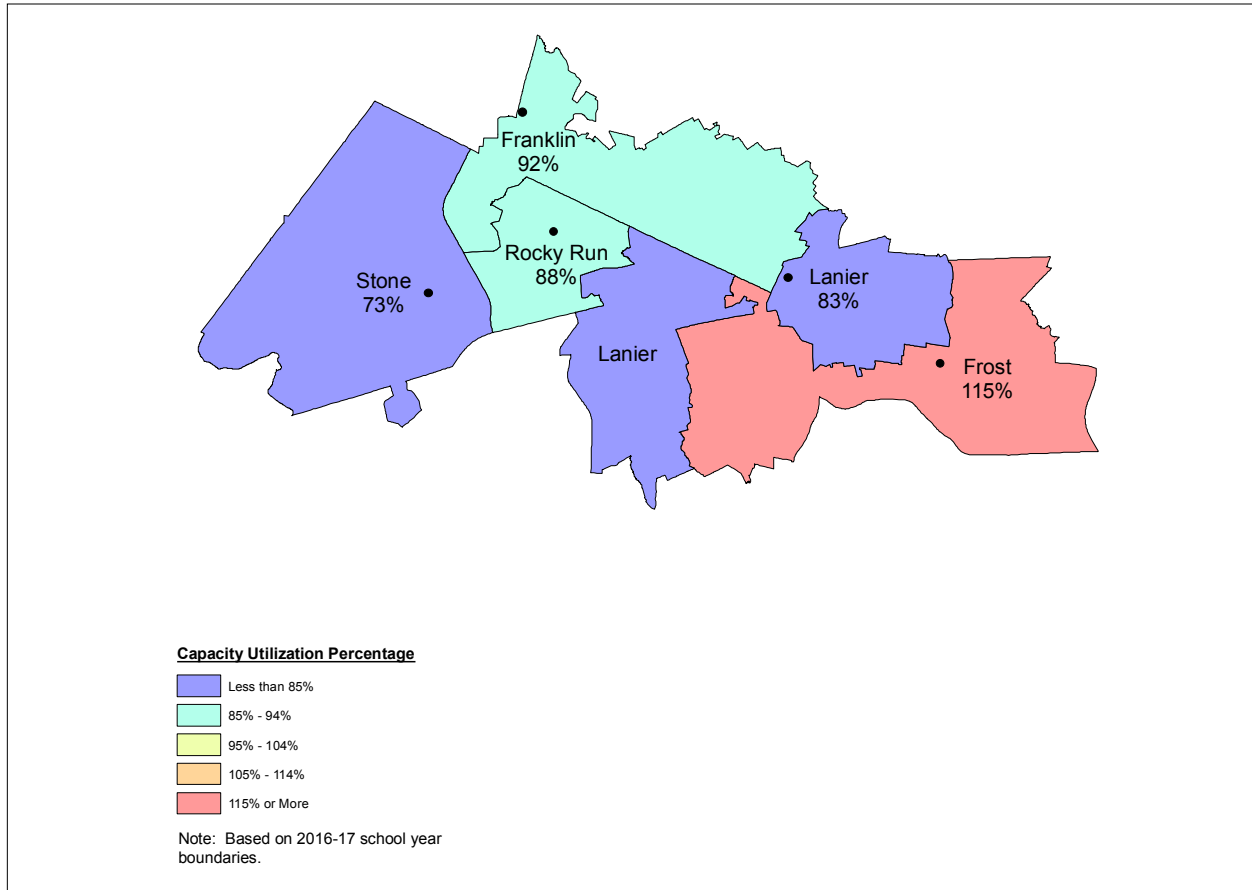
Canterbury Woods: Create an AAP Center in the Annandale HS Pyramid at a school such as Annandale Terrace ES or Braddock ES. Reassign Canterbury Woods ES AAP students from the Annandale HS Pyramid to the new center. This option will keep pyramids together. Due to grade configurations, see related middle school changes at Frost MS.

Fairfax Villa: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications.

Little Run: Monitor declining membership.

Wakefield Forest: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Consider reassignment of students to an elementary school in the Woodson HS Pyramid that has surplus capacity. Renovation to begin in the 10-year CIP cycle.

Region 5 Projected Middle School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Chantilly HS Pyramid

Franklin: Create a new AAP Center at Franklin MS. Reassign AAP students residing within the Franklin MS boundaries from Carson MS AAP Center to the new AAP Center at Franklin MS. This option will provide capacity relief to Carson MS.

Rocky Run: At the conclusion of the renovation and capacity enhancement in SY 2021-22, Rocky Run MS will have a design capacity of 1,350 students. Create a new AAP Center at Lanier MS to accommodate Fairfax HS Pyramid students.

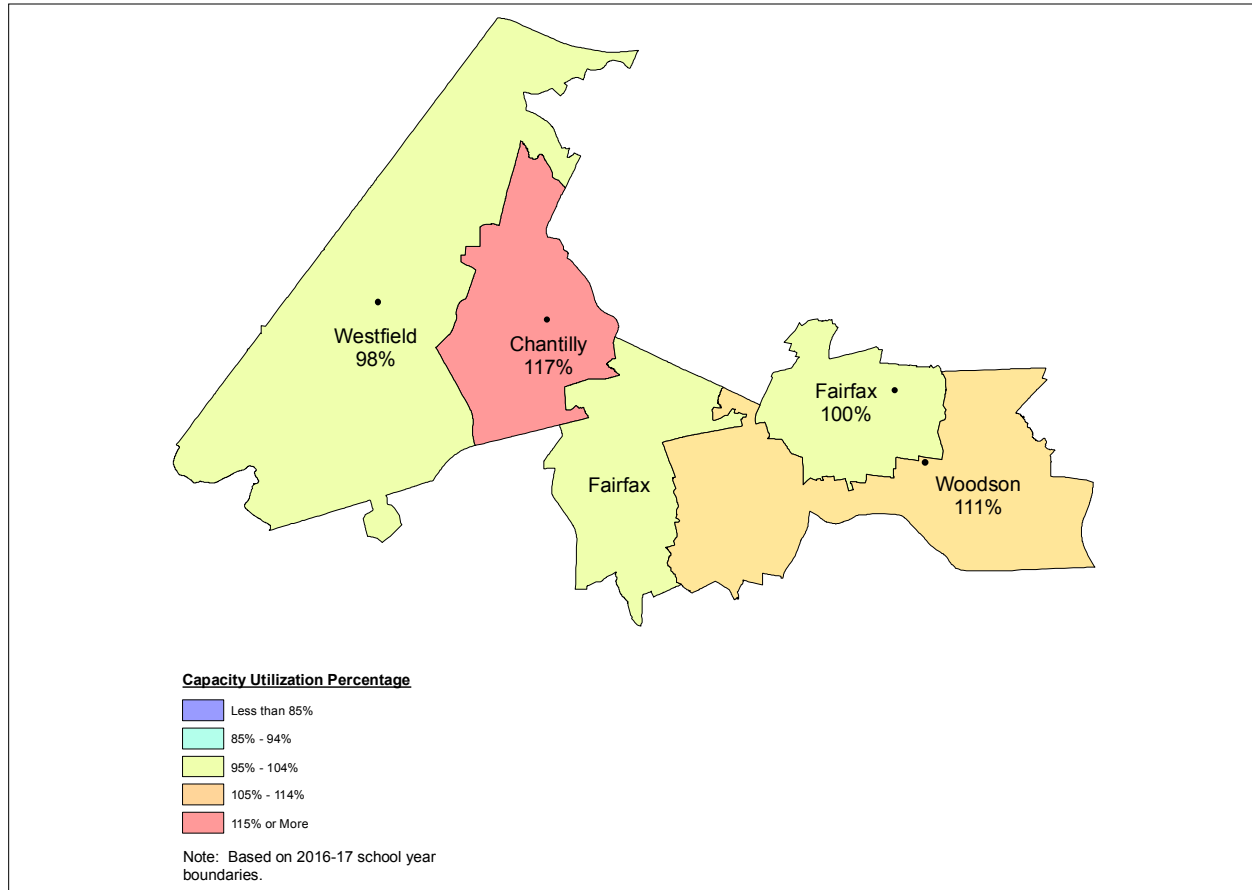
Fairfax HS Pyramid

Lanier: Create a new AAP Center at Lanier MS. Reassign AAP students residing within the Lanier MS boundaries to the new AAP Center at Lanier MS. This new AAP Center will keep the pyramid cohorts together.

Woodson HS Pyramid

Frost: Monitor student membership. Capacity deficit accommodated with temporary facilities or interior architectural modifications. Renovation to begin in the 10-year CIP cycle. Create a new AAP Center at Poe MS. Reassign the Annandale HS Pyramid middle school AAP students from Glasgow MS and Frost MS to the new AAP Center at Poe MS. This option will provide capacity relief to Glasgow MS and Frost MS. This option will promote the Annandale HS Pyramid cohorts.

Region 5 Projected High School Capacity Utilization, SY 2021-22



For most recent capacity information see **Facility & Enrollment Dashboard**, <https://www.fcps.edu/enrollmentdashboard>.

The five-year student enrollment projections and individual school capacity evaluations are updated annually by FCPS. Recommended boundary adjustment options and program changes are included in the CIP for future consideration based on the most recent five-year projections and SY 2016-17 capacity evaluations. Any option chosen for potential implementation will be discussed and decided through a transparent process that engages the community, in accordance with School Board Policy and Regulations. This includes adjustments needed for Advanced Academic Program centers at existing facilities and newly identified site locations.

Chantilly: Monitor memberships of elementary school and middle school feeders. Construct a new high school in the western end of the Silver Line Metro vicinity. This solution will involve multiple boundary adjustments to the schools in the western portion of the county such as Chantilly, Centreville, Herndon, Oakton, South Lakes, and Westfield High schools.

Westfield: Construct a new high school in the western end of the Silver Line Metro vicinity. This solution will involve multiple boundary adjustments to the schools in the western portion of the county such as Chantilly, Centreville, Herndon, Oakton, South Lakes, and Westfield High schools.

Woodson: Relocate 8-classroom modular addition to Woodson HS. This option will provide capacity relief to Woodson HS.

Future Western HS: Monitor high school memberships at schools such as Chantilly HS, Centreville HS, Herndon HS, Oakton HS, South Lakes HS, and Westfield HS. Based on potential site acquisition location, construct a new high school to alleviate capacity concerns. Reassign students from overcrowded high schools where surplus capacity is available.

SY 2016-17 Capacity, Membership, and Projections
Region 5

CHANTILLY H.S. PYRAMID

Facility	SY 2016-17			Projection Variance			Projected Membership			Projected Program Capacity Balance						
	Design Capacity	Program Capacity	Membership Balance	Spring 2016		Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
				Projection	Variance											
School				Projection	Variance	%										
Chantilly HS ⁵	2,581	2,571	2,757	2,763	-6	0%	2,785	2,831	2,891	2,940	3,002	-214	-260	-320	-369	-431
Franklin MS	1,215	993	894	886	8	1%	901	881	894	917	915	92	112	99	76	78
Rocky Run MS ^{3,4}	1,350	1,065	1,258	1,252	6	0%	1,288	1,262	1,259	1,240	1,183	-223	-197	-194	-175	167
Brookfield ES	1,036	844	832	847	-15	-2%	830	825	804	796	799	14	19	40	48	45
Greenbriar East ES ²	1,176	1,040	978	983	-5	-1%	959	950	950	923	908	81	90	90	117	132
Greenbriar West ES ⁴	924	893	936	897	39	4%	847	830	804	802	801	46	63	89	91	92
Lees Corner ES	896	780	766	787	-21	-3%	784	781	778	750	733	-4	-1	2	30	47
Oak Hill ES ⁴	1,064	936	842	873	-31	-4%	828	806	764	743	715	108	130	172	193	221
Poplar Tree ES ⁴	896	771	716	684	32	4%	731	658	625	594	574	40	113	146	177	197

FAIRFAX H.S. PYRAMID

Facility	SY 2016-17			Projection Variance			Projected Membership			Projected Program Capacity Balance						
	Design Capacity	Program Capacity	Membership Balance	Spring 2016		Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
				Projection	Variance											
School				Projection <td>Variance</td> <td>%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Variance	%										
Fairfax HS	2,416	2,406	2,347	2,385	-38	-2%	2,343	2,372	2,395	2,374	2,400	63	34	11	32	6
Lamier MS	1,311	1,164	932	962	-30	-3%	993	997	989	992	967	171	167	175	172	197
Daniels Run ES	980	776	764	682	82	11%	781	769	810	806	837	-5	7	-34	-30	-61
Eagle View ES	1,008	752	665	703	-38	-6%	666	692	678	687	695	86	60	74	65	57
Providence ES	1,092	934	892	1,011	-119	-13%	919	913	924	948	969	15	21	10	-14	-35
Willow Springs ES ⁴	1,036	963	966	894	72	7%	973	998	982	1,001	996	-10	-35	-19	-38	-33

WESTFIELD H.S. PYRAMID

Facility	SY 2016-17			Projection Variance			Projected Membership			Projected Program Capacity Balance						
	Design Capacity	Program Capacity	Membership Balance	Spring 2016		Variance %	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
				Projection	Variance											
School				Projection <td>Variance</td> <td>%</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Variance	%										
Westfield HS	2,823	2,730	2,578	2,580	-2	0%	2,609	2,654	2,584	2,679	2,680	121	76	146	51	50
Stone MS	1,104	956	780	764	16	2%	747	767	773	747	697	209	189	183	209	259
Coates ES	868	690	748	743	5	1%	739	716	697	666	651	-49	-26	-7	24	39
Cub Run ES	874	622	569	583	-14	-2%	569	555	534	537	526	53	67	88	85	96
Deer Park ES	1,064	762	646	651	-5	-1%	620	594	595	580	580	142	168	167	182	172
Floris ES	924	800	720	681	39	5%	736	712	710	697	680	64	88	90	103	120
London Towne ES	1,204	1,030	878	917	-39	-4%	873	852	833	810	803	157	178	197	220	227
McNair ES ^{3,4,7}	1,700	904	1,342	1,361	-19	-1%	1,422	1,430	1,450	1,450	1,443	-518	-526	-546	250	257
Virginia Run ES	1,008	856	678	685	-7	-1%	681	670	690	698	726	175	186	166	158	130

WOODSON H.S., PYRAMID

School	Facility	SY 2016-17		Projection Variance		Projected Membership					Projected Program Capacity Balance							
		Design Capacity	Program Capacity	Memberships	Balance	Spring 2016 Projection	Variance	%	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22	SY17-18	SY18-19	SY19-20	SY20-21	SY21-22
Woodson HS		2,331	2,331	2,411	-80	2,455	-44	-2%	2,495	2,461	2,485	2,564	2,578	-164	-130	-154	-233	-247
Frost MS ¹		1,368	1,095	1,210	-115	1,188	22	2%	1,195	1,234	1,244	1,227	1,255	-100	-139	-149	-132	-160
Canterbury Woods ES ⁴		917	858	767	91	736	31	4%	784	771	780	781	791	74	87	78	77	67
Fairfax Villa ES		694	678	659	19	647	12	2%	663	676	693	709	720	15	2	-15	-31	-42
Little Run ES		476	396	347	49	323	24	7%	340	349	343	334	340	56	47	53	62	56
Mantua ES ⁴		1,170	1,081	987	94	962	25	3%	986	1,004	995	1,004	986	95	77	86	77	95
Olde Creek ES		628	522	422	100	409	13	3%	406	398	388	389	382	116	124	134	133	140
Wakefield Forest ES		560	530	593	-63	587	6	1%	628	649	683	695	710	-98	-119	-153	-165	-180

Current and projected membership numbers based on September 30th certified membership. Capacities and capacity balances include modular additions.

Membership figures do not include special education center students.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

¹ Boundary study impact. Schools currently going through phased-in boundary changes.

² Significant program or other changes.

³ Numbers in italics are *future* design capacity and projected capacity balance after a renovation or capacity enhancement.

⁴ **General education and AAP center school.**

⁵ Membership figures include FECEP/Head Start students in high schools.

⁶ Membership figures include post graduate students.

⁷ North West County ES design capacity included in *future capacity* of McNair ES.

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs, Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

SY 2016-17 Schools with Modulators and Trailers

Region 5

CHANTILLY H.S. PYRAMID

School	School Capacity			Classrooms in Modulators <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Classrooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Classrooms
Chantilly HS ¹	2,581	2,571	2,757	-186	6	-	4	10	1	4	1	4	9
Rocky Run MS ^{2,3}	1,350	1,065	1,258	-193	-	-	-	-	-	3	-	1	4
Brookfield ES ¹	1,036	844	832	12	-	-	-	-	-	4	-	3	7
Greenbriar East ES	1,176	1,040	978	62	-	-	-	-	-	4	-	4	4
Greenbriar West ES ²	924	893	936	-44	-	-	-	-	-	4	-	9	13
Lees Corner ES	896	780	766	14	-	-	-	-	-	-	-	4	4
Oak Hill ES ²	1,064	936	842	94	6	-	-	6	1	-	-	2	2
Poplar Tree ES ^{1,2}	896	771	716	55	-	-	-	-	-	-	-	3	3

FAIRFAX H.S. PYRAMID

School	School Capacity			Classrooms in Modulators <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Classrooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Classrooms
Fairfax HS	2,416	2,406	2,347	59	-	-	-	-	-	4	-	4	8
Daniels Run ES	980	776	764	12	-	-	-	-	-	-	-	2	2
Eagle View ES	1,008	752	665	87	-	-	-	-	-	-	1	3	4
Providence ES ¹	1,092	934	892	42	-	-	-	-	-	-	-	2	2
Willow Springs ES ²	1,036	963	966	-3	-	-	-	-	-	5	-	3	8

WESTFIELD H.S. PYRAMID

School	School Capacity			Classrooms in Modulators <i>(included in school capacity)</i>					Classrooms in Trailers <i>(not included in school capacity)</i>				
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Classrooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Classrooms
Westfield HS	2,823	2,730	2,578	152	-	-	-	-	-	8	-	5	13
Stone MS	1,104	956	780	176	-	-	-	-	-	-	-	2	2
Coates ES	868	690	748	-58	-	-	-	-	-	4	-	4	8
Cub Run ES	874	622	569	53	-	-	-	-	-	-	-	6	6
Deer Park ES	1,064	762	646	116	4	1	5	10	1	-	-	-	-
Floris ES	924	800	720	80	-	-	-	-	-	-	-	2	2
London Towne ES ¹	1,204	1,030	878	152	10	-	-	10	1	-	-	2	2
McNair ES ^{1,2,3}	1,700	904	1,342	-438	-	-	-	-	-	-	-	2	17
Virginia Run ES ¹	1,008	856	678	178	-	-	-	-	-	-	-	3	3

WOODSON H.S. PYRAMID

School	School Capacity			Classrooms in Modulars <i>(included in school capacity)</i>						Classrooms in Trailers <i>(not included in school capacity)</i>			
	Design Capacity	SY16-17 Program Capacity	SY16-17 Membership	SY16-17 Capacity Balance	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms	Design Capacity	Gen. Ed.	Self Cont. Special Ed.	Other ⁴	Total # of Class-rooms
Woodson HS	2,331	2,331	2,411	-80	-	-	-	-	-	2	-	-	2
Frost MS ²	1,368	1,095	1,210	-115	8	1	1	10	1	-	-	9	9
Canterbury Woods ES ²	917	858	767	91	-	-	-	-	-	-	-	2	2
Fairfax Villa ES	694	678	659	19	-	-	-	-	-	-	-	6	6
Little Run ES	476	396	347	49	-	-	-	-	-	-	-	4	4
Mantua ES ²	1,170	1,081	987	94	8	-	-	8	1	-	-	4	4
Olde Creek ES	628	522	422	100	-	-	-	-	-	3	-	3	6
Wakefield Forest ES	560	530	593	-63	-	-	-	-	-	3	-	4	7

Trailers are typically used to alleviate short-term capacity concerns. At times, legacy trailers will remain at current locations until there is a need to relocate them in order to resolve capacity concerns at other schools.

Membership based on September 30th counts.

Capacities and capacity balances include modular additions.

Design Capacity is based on the number of students a building can support per the original design of the building.

Program Capacity is based on the number of existing core classrooms and the specific unique programs assigned to a school which requires specific facility space utilization that goes beyond the original design of the building.

For more information on school capacity, refer to the Region Summaries section.

¹ Schools with a FECEP/Head Start program.

² **General education and AAP center school.**

³ Numbers in italics are *future* design capacity after a renovation or capacity enhancement.

⁴ Includes elementary school programs or classes such as, but not limited to: special education, music, ESOL, resource (elementary schools), and special education, ESOL, resource, world language, health, PE, and electives (middle and high schools).

To view information pertaining to Capacity & Membership, Facilities & Sites, and Pyramid & Special Programs,

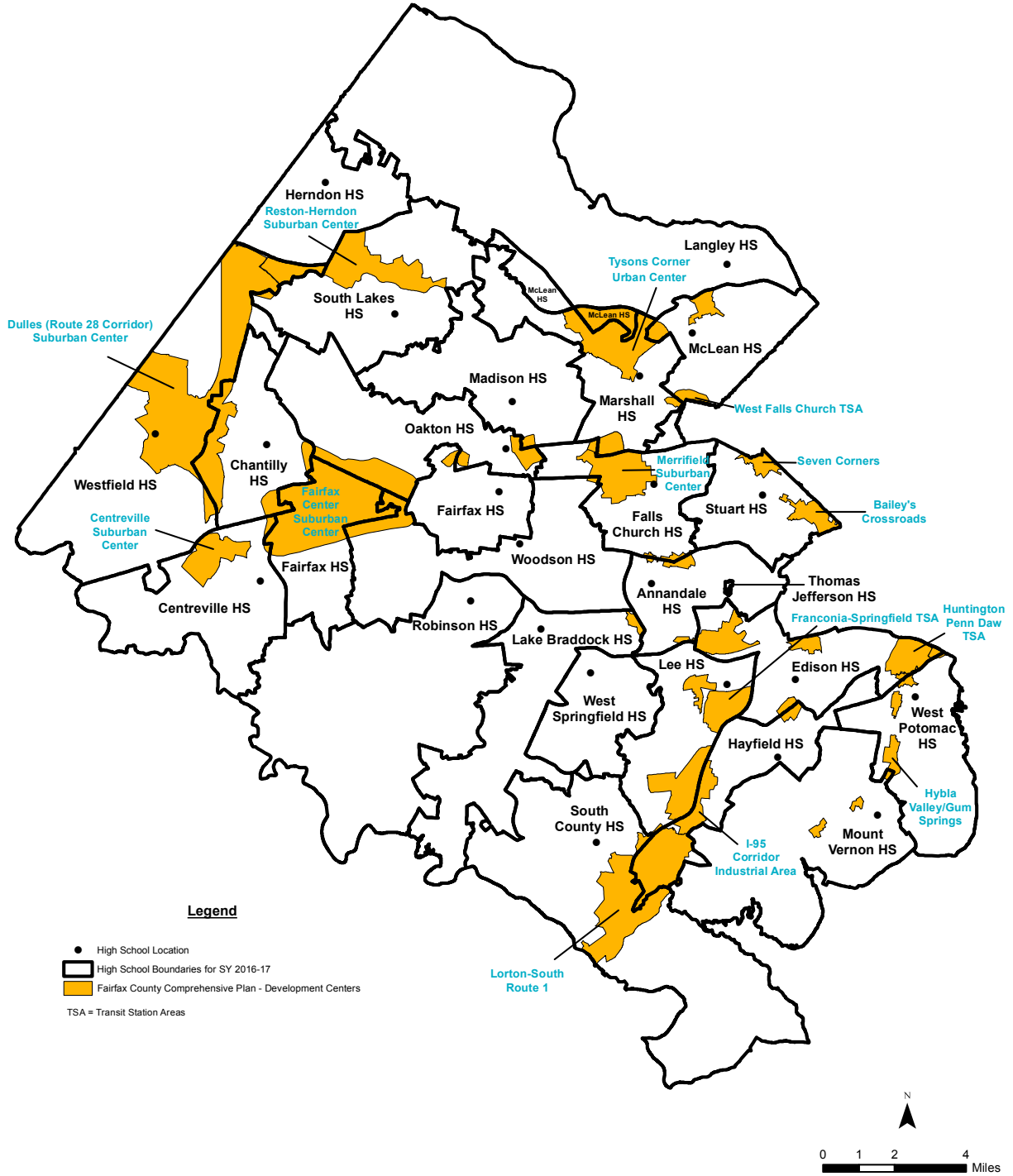
Please visit the FCPS Dashboard Site: <https://www.fcps.edu/enrollmentdashboard>

Additional Resources

SY 2016-17 Administrative Buildings and Sites



SY 2016-17 Fairfax County Comprehensive Plan: Development Centers



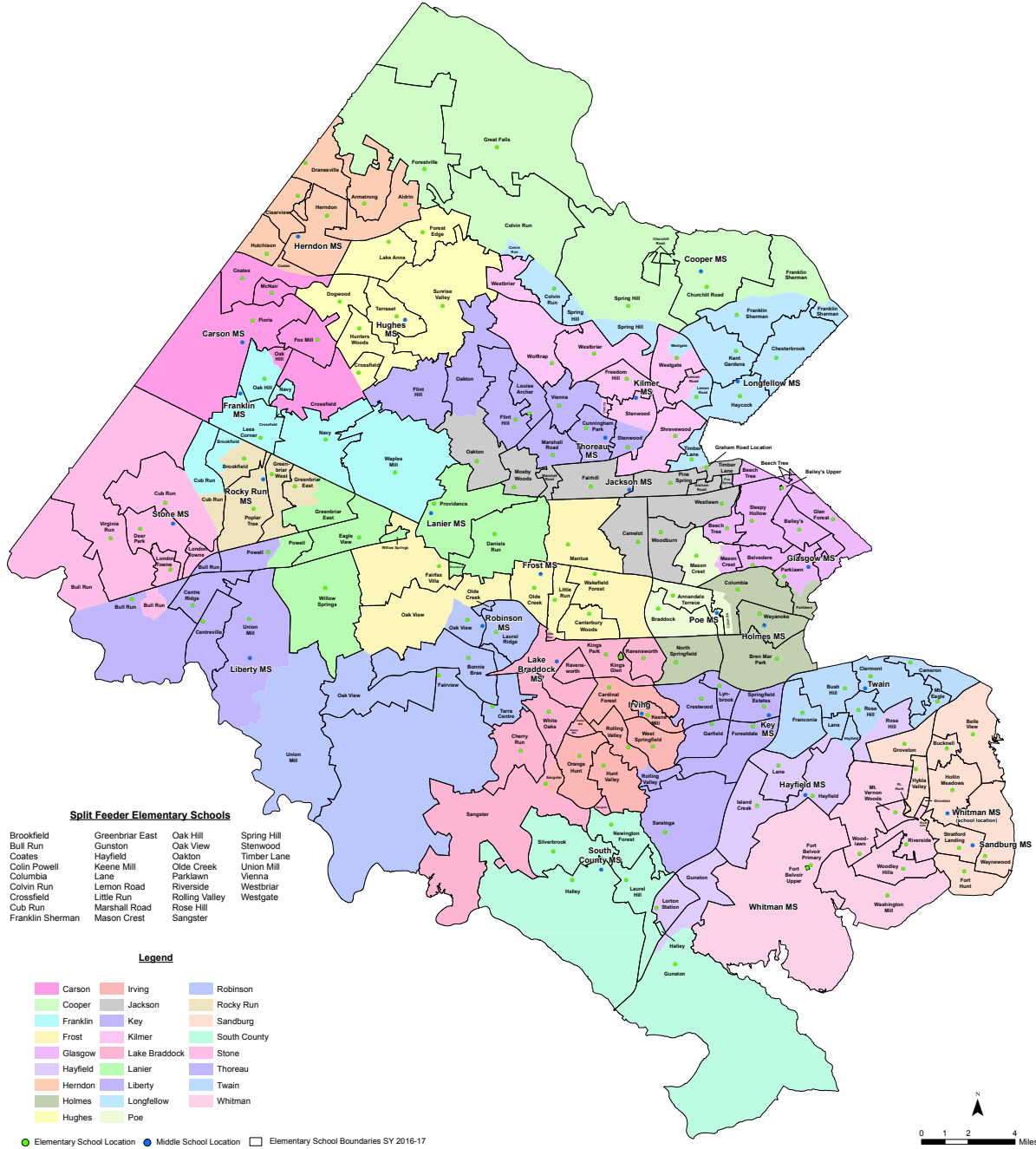
Additional Resources (Continued)

Boundary Information					
Recent Boundary and AAP Center Assignment Changes					
Effective Year	Title	Schools	Type	Region	Pyramid
SY 2016-17	Cooper MS AAP Center	Cooper MS, Kilmer MS, Longfellow MS	Program	1/2	Langley/Marshall/McLean
SY 2016-17	Freedom Hill ES to Vienna ES	Freedom Hill ES, Vienna ES	Expedited	1/2	Madison/Marshall
SY 2016-17	Woodlawn ES to Fort Belvoir ES	Fort Belvoir Primary School, Fort Belvoir Upper School, Woodlawn ES	Standard	3	Mount Vernon
SY 2016-17	Woodley Hills ES to Woodlawn ES	Woodlawn ES, Woodley Hills ES	Standard	3	Mount Vernon
SY 2015-16	Daventry Subdivision: Lee HS to West Springfield HS	Lee HS, West Springfield HS	Administrative	3/4	Lee/West Springfield
SY 2015-16	Poplar Tree ES AAP Center	Brookfield ES, Cub Run ES, Greenbriar West ES, Poplar Tree ES	Program	5	Chantilly/Westfield
SY 2014-15	Fairfax HS-Lanier MS* Phase 2	Frost MS, Lanier MS, Rocky Run MS, Chantilly HS, Fairfax HS, Oakton HS, Robinson SS, Woodson HS	Standard	1/4/5	Chantilly/Fairfax/Oakton/Robinson/Woodson
SY 2014-15	Landmark Mews Subdivision: Weyanoke ES to Bren Mar Park ES Annandale HS to Edison HS	Bren Mar Park ES, Weyanoke ES, Annandale HS, Edison HS	Administrative	2/3	Annandale/Edison
SY 2013-14	Fairfax HS-Lanier MS* Phase 1	Franklin MS, Lanier MS, Fairfax HS, Oakton HS	Standard	1/5	Chantilly/Fairfax/Oakton
SY 2013-14	Lemon Road ES AAP Center Navy ES AAP Center Westbriar ES AAP Center South County MS AAP Center	Haycock ES, Hunters Woods ES, Lemon Road ES, Louise Archer ES, Navy ES, Shreveewood ES, Westbriar ES, Westgate ES, Lake Braddock MS, South County MS	Program	1/2/4	Marshall/McLean/Oakton/South County
SY 2013-14	Meadows of Chantilly: Franklin MS to Stone MS	Franklin MS, Stone MS	Administrative	5	Chantilly/Westfield
SY 2013-14	Southwestern Boundary Study* Phase 2	Centreville ES, Centre Ridge ES, Colin Powell ES, Eagle View ES, Fairfax Villa ES, Greenbriar East ES, Union Mill ES	Standard	4/5	Centreville/Chantilly/Fairfax/Robinson/Westfield/Woodson
SY 2012-13	Annandale Regional Study	Annandale Terrace ES, Beech Tree ES, Belvedere ES, Mason Crest ES, Pine Spring ES, Woodburn ES, Frost MS, Glasgow MS, Holmes MS, Jackson MS, Poe MS, Annandale HS, Edison HS, Falls Church HS, Stuart HS, Woodson HS	Standard	2/3/5	Annandale/Edison/Falls Church/Stuart/Woodson

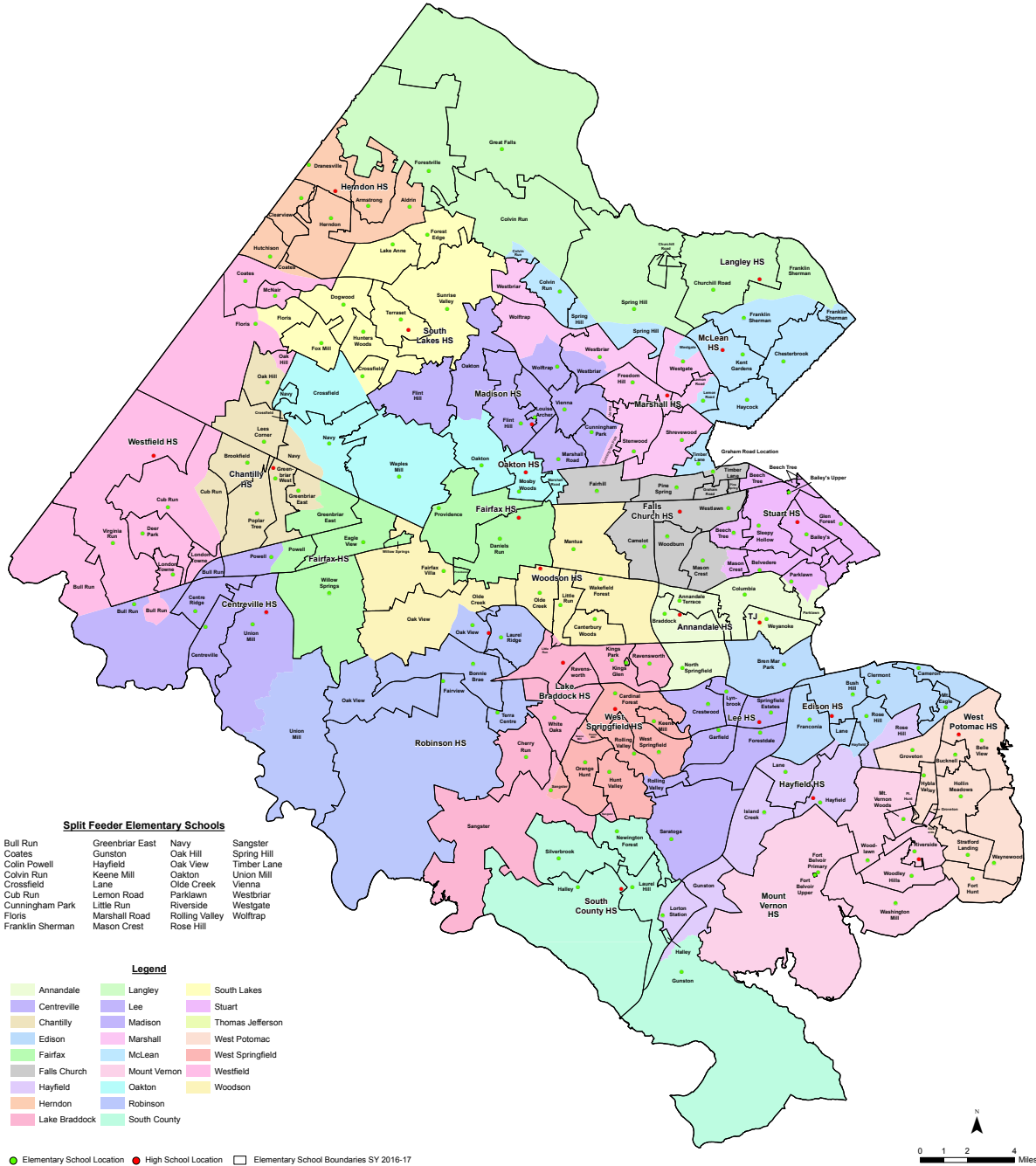
Additional Resources (Continued)

Boundary Information (Continued)					
Recent Boundary and AAP Center Assignment Changes					
Effective Year	Title	Schools	Type	Region	Pyramid
SY 2012-13	Everwood Subdivision: Brookfield ES to Poplar Tree ES	Brookfield ES, Poplar Tree ES	Administrative	5	Chantilly
SY 2012-13	Freedom Hill ES to Lemon Road ES	Freedom Hill ES, Lemon Road ES	Standard	2	Marshall
SY 2012-13	Lorton Valley: Hayfield SS to South County SS	Hayfield SS, South County SS	Administrative	3/4	Hayfield/South County
SY 2012-13	Metro West Development: Mosby Woods ES to Marshall Road ES	Marshall Road ES, Mosby Woods ES	Administrative	1	Madison/Oakton
SY 2012-13 SY 2011-12	Pine Ridge/Sutton Place/ Wynford Estates/ Chesterfield Mews*: Fairhill ES to Mantua ES	Fairhill ES, Mantua ES	Administrative	2/5	Falls Church/ Woodson**
SY 2011-12	Southwestern Boundary Study* Phase 1	Bonnie Brae ES, Brookfield ES, Bull Run ES, Clifton ES, Cub Run ES, Deer Park ES, Eagle View ES, Fairview ES, Fairfax Villa ES, Greenbriar East ES, Greenbriar West ES, London Towne ES, Oak View ES, Poplar Tree ES, Providence ES, Union Mill ES, Virginia Run ES, Willow Springs ES	Standard	4/5	Centreville/Chantilly/ Fairfax/Robinson/ Westfield/Woodson
<p>Note: Administrative boundary adjustments on this chart represent those that impacted more than one street. For more information about the type of changes, see Regulation 3333.2 (Programs) and Regulation 8130.9 (Boundary Adjustments). *Denotes changes occurring over more than one school year. **Fairhill ES is currently in the Falls Church Pyramid; at the time of the boundary adjustment a portion was assigned to the Woodson Pyramid.</p>					

SY 2016-17 Elementary School Boundaries With Middle School Boundaries



SY 2016-17 Elementary School Boundaries With High School Boundaries



SY 2016-17 Middle School Boundaries With High School Boundaries



Additional Resources (Continued)

Elementary School Split Feeders SY 2016-17 (38 Elementary Schools are Split Feeders)		
ES	MS	HS
Brookfield	Franklin	Chantilly
	Rocky Run	
Bull Run	Liberty	Centreville
	Stone	Westfield
Coates	Carson	Westfield
	Herndon	Herndon
Columbia	Holmes	Annandale
	Poe	
Colvin Run	Cooper	Langley
	Longfellow	McLean
Crossfield	Carson	Oakton
	Franklin	Chantilly
	Hughes	South Lakes
Cub Run	Franklin	Chantilly
		Westfield
	Rocky Run	Chantilly
Cunningham Park	Thoreau	Madison
		Marshall
		South Lakes
Floris	Carson	Westfield
Franklin Sherman	Cooper	Langley
	Longfellow	McLean
Greenbriar East	Lanier	Fairfax
	Rocky Run	Chantilly
Gunston	Hayfield	Hayfield
	South County	South County
Hayfield	Hayfield	Hayfield
	Twain	Edison
Keene Mill	Irving	West Springfield
	Lake Braddock	Lake Braddock
Lane	Hayfield	Hayfield
	Twain	Edison
Lemon Road	Kilmer	Marshall
	Longfellow	McLean
Little Run	Frost	Woodson
	Lake Braddock	Lake Braddock
Marshall Road	Jackson	Oakton
	Thoreau	Madison
Mason Crest	Glasgow	Stuart
	Poe	Falls Church

Elementary School Split Feeders SY 2016-17 (38 Elementary Schools are Split Feeders)		
ES	MS	HS
Navy	Franklin	Chantilly
		Oakton
Oak Hill	Carson	Westfield
	Franklin	Chantilly
Oak View	Frost	Woodson
	Robinson	Robinson
Oakton	Jackson	Oakton
	Thoreau	Madison
Olde Creek	Frost	Woodson
	Robinson	Robinson
Parklawn	Glasgow	Stuart
	Holmes	Annandale
Powell	Lanier	Fairfax
	Liberty	Centreville
Riverside	Sandburg	West Potomac
	Whitman	Mount Vernon
Rolling Valley	Irving	West Springfield
	Key	Lee
Rose Hill	Hayfield	Hayfield
	Twain	Edison
Sangster	Irving	West Springfield
	Lake Braddock	Lake Braddock
Spring Hill	Cooper	Langley
	Longfellow	McLean
Stenwood	Kilmer	Marshall
	Thoreau	
Timber Lane	Jackson	Falls Church
	Longfellow	McLean
Union Mill	Liberty	Centreville
	Robinson	Robinson
Vienna	Kilmer	Marshall
	Thoreau	Madison
Westbriar	Kilmer	Madison
	Longfellow	McLean
Westgate	Kilmer	Marshall
	Longfellow	McLean
Wolftrap	Kilmer	Madison
		Marshall

Additional Resources (Continued)

Middle School Split Feeders SY 2016-17 (7 Middle Schools are Split Feeders)	
MS	HS
Carson	Westfield
	Oakton
	South Lakes
Franklin	Chantilly
	Westfield
	Oakton
Holmes	Edison
	Annandale
Kilmer	Marshall
	Madison
Jackson	Falls Church
	Oakton
Poe	Annandale
	Falls Church
Thoreau	Madison
	Marshall

Attendance Islands		
Elementary Schools With Attendance Islands SY 2016-17	Middle Schools With Attendance Islands SY 2016-17	High Schools With Attendance Islands SY 2016-17
Beech Tree	Lake Braddock	Fairfax
Bull Run	Lanier	Lake Braddock
Flint Hill	Longfellow	McLean
Fort Hunt		
Groveton		
Halley		
Keene Mill		
London Towne		
Navy		
Oak View		
Olde Creek		
Pine Spring		
Providence		
Ravensworth		
Sangster		
Westbriar		
Willow Springs		

SY 2016-17 Instructional and Special Education School Programs
Region 1

SCHOOL INFORMATION				INSTRUCTIONAL						SPECIAL EDUCATION ³										
PYR LEVEL	SCHOOL NAME	GRADES	TITLE 1 K-3 CAP	FECEP/ HS/ EHS	MAGNET	ES AAP LOCAL LEVEL IV	ES & MS AAP CENTER	ES & MS IMMERSION	HS AP	HS IB	ESOL TRANSITIONAL HIGH SCHOOL ¹	ECCB ²	PAC ²	AUT.	CSS	ID	IDS	DHOH	BVI	PD
H HS	HERNDON HS	9-12							Y		Y					Y-SB				
H MS	HERNDON MS	7-8						Y				Y		Y	Y	Y-SB				
H ES	ALDRIN ES	K-6				Y-SB						Y		Y-SB						
H ES	ARMSTRONG ES	K-6				Y-SB						Y		Y						
H ES	CLEARVIEW ES	K-6	✓	Y+EHS			Y					Y		Y						
H ES	DRANESVILLE ES	K-6		Y		Y-SB						Y		Y						
H ES	HERNDON ES	K-6	✓	Y			Y-SB					Y		Y						
H ES	HUTCHISON ES	K-6	✓	Y												Y				
LA HS	LANGLEY HS	9-12						Y						Y		Y-SB				
LA MS	COOPER MS	7-8					Y	Y						Y						
LA ES	CHURCHILL ROAD ES	K-6					Y							Y						
LA ES	COLVIN RUIN ES	K-6					Y					Y		Y-SB						
LA ES	FORESTVILLE ES	K-6				Y-SB														
LA ES	GREAT FALLS ES	K-6				Y-SB		Y						Y-SB						
LA ES	SPRING HILL ES	K-6				Y-SB								Y-SB						
MD HS	MADISON HS	9-12							Y					Y-SB	Y	Y-SB				
MD MS	THOREAU MS	7-8												Y						
MD ES	CUNNINGHAM PARK ES	K-6		Y		Y-SB														
MD ES	FLINT HILL ES	K-6				Y-SB														
MD ES	LOUISE ARCHER ES	K-6					Y													
MD ES	MARSHALL ROAD ES	K-6				Y-SB								Y	Y	Y	Y			
MD ES	VIENNA ES	K-6																		
MD ES	WOLFRAP ES	K-6				Y-SB														
O HS	OAKTON HS	9-12							Y							Y-SB				
O MS	CARSON MS	7-8					Y	Y						Y-SB						
O ES	GROSSFIELD ES	K-6				Y-SB						Y		Y						
O ES	MOSBY WOODS ES	K-6		Y			Y													
O ES	NAVY ES	K-6					Y							Y-SB						
O ES	OAKTON ES	K-6				Y-SB								Y						
O ES	WAPLES MILLES	K-6										Y	Y							
SL HS	SOUTH LAKES HS	9-12								Y					Y	Y-SB	Y			
SL MS	HUGHES MS	7-8					Y	Y							Y	Y	Y			
SL ES	DOGWOOD ES	K-6	✓	Y+EHS																
SL ES	FOREST EDGE ES	K-6		Y			Y					Y	Y							
SL ES	FOX MILL ES	K-6						Y						Y						
SL ES	HUNTERS WOODS ES	K-6		Y	Y		Y							Y						
SL ES	LAKE ANNE ES	K-6	✓	Y				Y						Y						
SL ES	SUNRISE VALLEY ES	K-6					Y							Y						Y
SL ES	TERRASET ES	K-6												Y-SB						

¹ Program hours occur after regular school hours. Additional program sites at Pimmit Hills Center, Bryant Alternative H.S., and Graham Road School.
² Additional ECCB and PAC sites at Pimmit Hills Center.
³ Public Day sites at Cedar Lane School, Quander Road School, Burke School, Kilmer Center and Key Center.
⁴ Governor's School.

Y - Accepts students from inside and outside school boundary.
Y-SB - School-based students only.
Y+EHS - Represents schools with FECEP/HS and EHS.
Y-HI - Program for students with hearing impairment.

Additional Resources (Continued)

SY 2016-17 Instructional and Special Education School Programs
Region 2

SCHOOL INFORMATION				INSTRUCTIONAL							SPECIAL EDUCATION ³									
PYR LEVEL	SCHOOL NAME	GRADES	TITLE 1 K-3 CAP	FECEP/ HS/ EHS	MAGNET	ES AAP LOCAL LEVEL IV	ES & MS AAP CENTER	ES & MS IMMERSION	HS AP	HS IB	ESOL TRANSITIONAL HIGH SCHOOL ¹	ECCB ²	PAC ²	AUT.	CSS	ID	IDS	DHOH	BVI	PD
A HS	ANNANDALE HS	9-12							Y	Y				Y	Y-SB	Y				
A HS	JEFFERSON SCI/TECH HS ⁴	9-12							Y											
A MS	HOLMES MS	6-8																		Y
A MS	POE MS	6-8												Y	Y-SB	Y				
A ES	ANNANDALE TERRACE ES	K-5	✓	Y		Y-SB								Y						
A ES	BRADDOCK ES	K-5	✓	Y		Y-SB		Y-SB												
A ES	BREN MAR PARK ES	K-5	✓	Y																
A ES	COLUMBIA ES	K-5	✓	Y		Y-SB							Y							
A ES	MASON CREST ES	K-5	✓	Y		Y-SB							Y							
A ES	NORTH SPRINGFIELD ES	K-5	✓	Y		Y-SB							Y							
A ES	WEYANOKE ES	K-5	✓	Y										Y						
FC HS	FALLS CHURCH HS	9-12							Y	Y					Y-SB					Y
FC MS	LUTHER JACKSON MS	7-8					Y								Y-SB					
FC ES	CAMELOT ES	K-6		Y		Y-SB						Y-HI							Y	
FC ES	FAIRHILL ES	K-6		Y		Y-SB														
FC ES	GRAHAM ROAD ES	K-6	✓	Y																
FC ES	PINE SPRING ES	K-6	✓	Y									Y							
FC ES	WESTLAWN ES	K-6	✓	Y		Y-SB														
FC ES	WOODBURN ES	K-6	✓	Y																
M HS	MARSHALL HS	9-12								Y										
M MS	KILMER MS	7-8					Y													
M ES	FREEDOM HILL ES	K-6		Y		Y-SB							Y	Y-SB						
M ES	LEMON ROAD ES	K-6		Y			Y						Y							
M ES	SHREVEWOOD ES	K-6		Y		Y-SB								Y						
M ES	STENWOOD ES	K-6		Y		Y-SB														
M ES	WESTBRIAR ES	K-6		Y		Y-SB	Y													
M ES	WESTGATE ES	K-6		Y		Y-SB			Y											
MC HS	MCLEAN HS	9-12																		
MC MS	LONGFELLOW MS	7-8					Y		Y					Y-SB						
MC ES	CHESTERBROOK ES	K-6				Y-SB		Y						Y-SB						
MC ES	FRANKLIN SHERMAN ES	K-6				Y-SB							Y	Y						
MC ES	HAYCOCK ES	K-6					Y							Y-SB						
MC ES	KENT GARDENS ES	K-6				Y-SB		Y												
MC ES	TIMBER LANE ES	K-6	✓	Y		Y-SB							Y	Y						
S HS	STUART HS	9-12								Y										
S MS	GLASGOW MS	6-8					Y													
S ES	BAILEY'S ES	K-2	✓	Y	Y			Y												
S ES	BAILEY'S UPPER ES	3-5	✓	Y	Y															
S ES	BEECH TREE ES	K-5	✓	Y		Y-SB														
S ES	BELVEDERE ES	K-5	✓	Y			Y													
S ES	GLEN FOREST ES	K-5	✓	Y		Y-SB								Y-SB						
S ES	PARKLAWN ES	K-5	✓	Y		Y-SB														
S ES	SLEEPY HOLLOW ES	K-5	✓	Y		Y-SB								Y						

¹ Program hours occur after regular school hours. Additional program sites at Pimmit Hills Center, Bryant Alternative H.S., and Graham Road School.
² Additional ECCB and PAC sites at Pimmit Hills Center.
³ Public Day sites at Cedar Lane School, Quander Road School, Burke School, Kilmer Center and Key Center.
⁴ Governor's School.

Y - Accepts students from inside and outside school boundary.
Y-SB - School-based students only.
Y+EHS - Represents schools with FECEP/H.S and EHS.
Y-HI - Program for students with hearing impairment.

Additional Resources (Continued)

SY 2016-17 Instructional and Special Education School Programs
Region 3

PYR	LEVEL	SCHOOL INFORMATION					INSTRUCTIONAL							SPECIAL EDUCATION ³								
		SCHOOL NAME	GRADES	TITLE 1	K-3 CAP	FECEP/ HS/ EHS	MAGNET	ES AAP LOCAL LEVEL IV	ES & MS AAP CENTER	ES & MS IMMERSION	HS AP	HS IB	ESOL TRANSITIONAL HIGH SCHOOL ¹	ECCB ²	PAC ²	AUT.	CSS	ID	IDS	DHOH	BVI	PD
E	HS	EDISON HS	9-12									Y				Y						
E	MS	TWAIN MS	7-8					Y	Y							Y						
E	ES	BUSH HILL ES	K-6												Y							Y
E	ES	CAMERON ES	K-6	✓		Y		Y-SB														
E	ES	CLERMONT ES	K-6					Y-SB														
E	ES	FRANCONIA ES	K-6																			
E	ES	MOUNT EAGLE ES	K-6	✓		Y																
E	ES	ROSE HILLS ES	K-6	✓					Y						Y	Y						
HA	HS	HAYFIELD HS	9-12							Y												
HA	MS	HAYFIELD MS	7-8							Y												
HA	ES	GUNSTON ES	K-6					Y-SB														
HA	ES	HAYFIELD ES	K-6																			
HA	ES	ISLAND CREEK ES	K-6										Y	Y	Y-SB							
HA	ES	LANE ES	K-6												Y-SB							
HA	ES	LORTON STATION ES	K-6	✓		Y			Y						Y-SB							
L	HS	LEE HS	9-12									Y										
L	MS	KEY MS	7-8																			
L	ES	CRESTWOOD ES	K-6	✓		Y+EHS		Y-SB														Y
L	ES	FORESTDALE ES	K-6	✓		Y							Y	Y	Y							
L	ES	GARFIELD ES	K-6	✓		Y																
L	ES	LYNBROOK ES	K-6	✓		Y									Y							
L	ES	SARATOGA ES	K-6	✓		Y									Y							
L	ES	SPRINGFIELD ESTATES ES	K-6	✓		Y			Y						Y							Y
MV	HS	MOUNT VERNON HS	9-12			Y					Y						Y	Y-SB				
MV	MS	WHITMAN MS	7-8																			
MV	ES	FORT BELVOIR PRIMARY ES	K-3			Y							Y		Y-SB							
MV	ES	FORT BELVOIR UPPER ES	4-6												Y-SB							
MV	ES	MOUNT VERNON WOODS ES	K-6	✓		Y		Y-SB					Y	Y								
MV	ES	RIVERSIDE ES	K-6	✓		Y							Y	Y								
MV	ES	WASHINGTON MILL ES	K-6	✓		Y		Y-SB					Y	Y								
MV	ES	WOODLAWN ES	K-6	✓		Y							Y	Y								
MV	ES	WOODLEY HILLS ES	K-6	✓		Y		Y-SB					Y	Y								
WP	HS	WEST POTOMAC HS	9-12			Y				Y							Y	Y-SB				Y
WP	MS	SANDBURG MS	7-8						Y	Y					Y							
WP	ES	BELLE VIEW ES	K-6			Y									Y							Y
WP	ES	BUCKNELL ES	K-6	✓		Y									Y							
WP	ES	FORT HUNT ES	K-6							Y					Y							
WP	ES	GROVETON ES	K-6	✓		Y									Y							
WP	ES	HOLLIN MEADOWS ES	K-6	✓		Y				Y-SB					Y							Y
WP	ES	HYBLA VALLEY ES	K-6	✓		Y																
WP	ES	STRAITFORD LANDING ES	K-6						Y				Y	Y								
WP	ES	WAYNEWOOD ES	K-6					Y-SB														

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² Additional ECCB and PAC sites at Pimmit Hills Center.
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⁴ Governor's School.

Additional Resources (Continued)

SY 2016-17 Instructional and Special Education School Programs
Region 4

SCHOOL INFORMATION			INSTRUCTIONAL						SPECIAL EDUCATION ³													
PYR LEVEL	SCHOOL NAME	GRADES	TITLE 1	K-3 CAP	FECEP/ HS/ EHS	MAGNET	ES AAP LOCAL LEVEL IV	AAP CENTER	ES & MS IMMERSION	HS AP	HS IB	ESOL TRANSITIONAL HIGH SCHOOL ¹	ECCB ²	PAC ²	AUT.	CSS	ID	IDS	DHOH	BVI	PD	
CE	HS CENTREVILLE HS	9-12								Y					Y	Y-SB	Y					
CE	MS LIBERTY MS	7-8													Y	Y	Y-SB					
CE	ES BULL RUN ES	K-6					Y								Y							
CE	ES CENTRE RIDGE ES	K-6	✓		Y		Y-SB						Y		Y-SB							
CE	ES CENTREVILLE ES	K-6			Y		Y-SB							Y	Y-SB							
CE	ES COLIN POWELL ES	K-6					Y-SB		Y						Y-SB							
CE	ES UNION MILLES	K-6													Y-SB							
LB	HS LAKE BRADDOCK HS	9-12							Y						Y-SB	Y-SB	Y-SB					
LB	MS LAKE BRADDOCK MS	7-8						Y	Y				Y		Y-SB	Y-SB	Y					
LB	ES CHERRY RUN ES	K-6													Y							
LB	ES KINGS GLEN ES	4-6													Y-SB							
LB	ES KINGS PARK ES	K-3											Y		Y-SB							
LB	ES RAVENSWORTH ES	K-6							Y				Y		Y							
LB	ES SANGSTER ES	K-6						Y							Y							
LB	ES WHITE OAKS ES	K-6						Y							Y							
R	HS ROBINSON HS	9-12			Y						Y				Y-SB	Y-SB	Y-SB				Y	
R	MS ROBINSON MS	7-8							Y						Y-SB	Y-SB	Y-SB				Y	
R	ES BONNIE BRAE ES	K-6			Y										Y							
R	ES FAIRVIEW ES	K-6					Y-SB								Y							
R	ES LAUREL RIDGE ES	K-6							Y						Y-SB	Y						
R	ES OAK VIEW ES	K-6					Y-SB								Y-SB							
R	ES TERRA CENTRE ES	K-6											Y		Y							
SC	HS SOUTH COUNTY HS	9-12								Y					Y-SB	Y-SB	Y-SB					
SC	MS SOUTH COUNTY MS	7-8						Y							Y-SB	Y-SB	Y					
SC	ES HALLEY ES	K-6			Y		Y-SB							Y	Y							
SC	ES LAUREL HILL ES	K-6					Y-SB								Y							
SC	ES NEWINGTON FOREST ES	K-6			Y										Y-SB							
SC	ES SILVERBROOK ES	K-6					Y-SB								Y-SB							
WS	HS WEST SPRINGFIELD HS	9-12								Y					Y-SB	Y-SB	Y-SB					
WS	MS IRVING MS	7-8							Y						Y-SB	Y-SB	Y-SB					
WS	ES CARDINAL FOREST ES	K-6			Y								Y		Y-SB	Y-SB	Y-SB					
WS	ES HUNT VALLEY ES	K-6													Y							
WS	ES KEENE MILL ES	K-6						Y							Y							
WS	ES ORANGE HUNT ES	K-6							Y						Y							
WS	ES ROLLING VALLEY ES	K-6													Y						Y	
WS	ES WEST SPRINGFIELD ES	K-6											Y		Y							

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² Additional ECCB and PAC sites at Pimmit Hills Center.
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⁴ Governor's School.

Additional Resources (Continued)

SY 2016-17 Instructional and Special Education School Programs
Region 5

SCHOOL INFORMATION				INSTRUCTIONAL						SPECIAL EDUCATION ³												
PYR LEVEL	SCHOOL NAME	GRADES	TITLE 1	K-3 CAP	FECEP/ HS/ EHS	MAGNET	ES AAP LOCAL LEVEL IV	ES & MS AAP CENTER	ES & MS IMMERSION	HS AP	HS IB	ESOL TRANSITIONAL HIGH SCHOOL ¹	ECCB ²	PAC ²	AUT.	CSS	ID	IDS	DHOH	BVI	PD	
CH HS	CHANTILLY HS	9-12			Y					Y					Y-SB	Y	Y-SB					
CH MS	FRANKLIN MS	7-8														Y	Y-SB					
CH MS	ROCKY RUN MS	7-8					Y															
CH ES	BROOKFIELD ES	K-6	✓		Y		Y-SB															
CH ES	GREENBRIAR EAST ES	K-6						Y					Y	Y								
CH ES	GREENBRIAR WEST ES	K-6																				
CH ES	LEES CORNER ES	K-6					Y-SB								Y							
CH ES	OAK HILL ES	K-6						Y														
CH ES	POPLAR TREE ES	K-6			Y			Y														
F HS	FAIRFAX HS	9-12								Y					Y-SB		Y-SB	Y				
F MS	LANIER MS	7-8															Y					
F ES	DANIELS RUN ES	K-6	✓												Y							
F ES	EAGLE VIEW ES	K-6					Y-SB						Y									
F ES	PROVIDENCE ES	K-6	✓		Y										Y-SB							
F ES	WILLOW SPRINGS ES	K-6						Y							Y							
WF HS	WESTFIELD HS	9-12								Y					Y-SB		Y-SB	Y-SB				
WF MS	STONE MS	7-8							Y						Y-SB		Y-SB	Y-SB				
WF ES	COATES ES	K-6	✓				Y-SB								Y-SB							
WF ES	CUB RUN ES	K-6											Y	Y								
WF ES	DEER PARK ES	K-6					Y-SB						Y	Y								
WF ES	FLORIS ES	K-6					Y-SB								Y-SB							
WF ES	LONDON TOWN ES	K-6	✓		Y				Y													
WF ES	MCNAIR ES	K-6			Y			Y									Y-SB					
WF ES	VIRGINIA RUN ES	K-6			Y										Y-SB		Y-SB					
W HS	WOODSON HS	9-12								Y									Y			
W MS	FROST MS	7-8						Y														
W ES	CANTERBURY WOODS ES	K-6						Y											Y			
W ES	FAIRFAX VILLA ES	K-6											Y									
W ES	LITTLE RUN ES	K-6					Y-SB						Y	Y								
W ES	MANTUA ES	K-6						Y														
W ES	OLDE CREEK ES	K-6																	Y			
W ES	WAKEFIELD FOREST ES	K-6					Y-SB															

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² Additional ECCB and PAC sites at Pimmit Hills Center.
³ Public Day sites at Cedar Lane School, Quander Road School, Burke School, Kilmer Center and Key Center.
⁴ Governor's School.

SY 2016-17 Instructional and Special Education School Programs

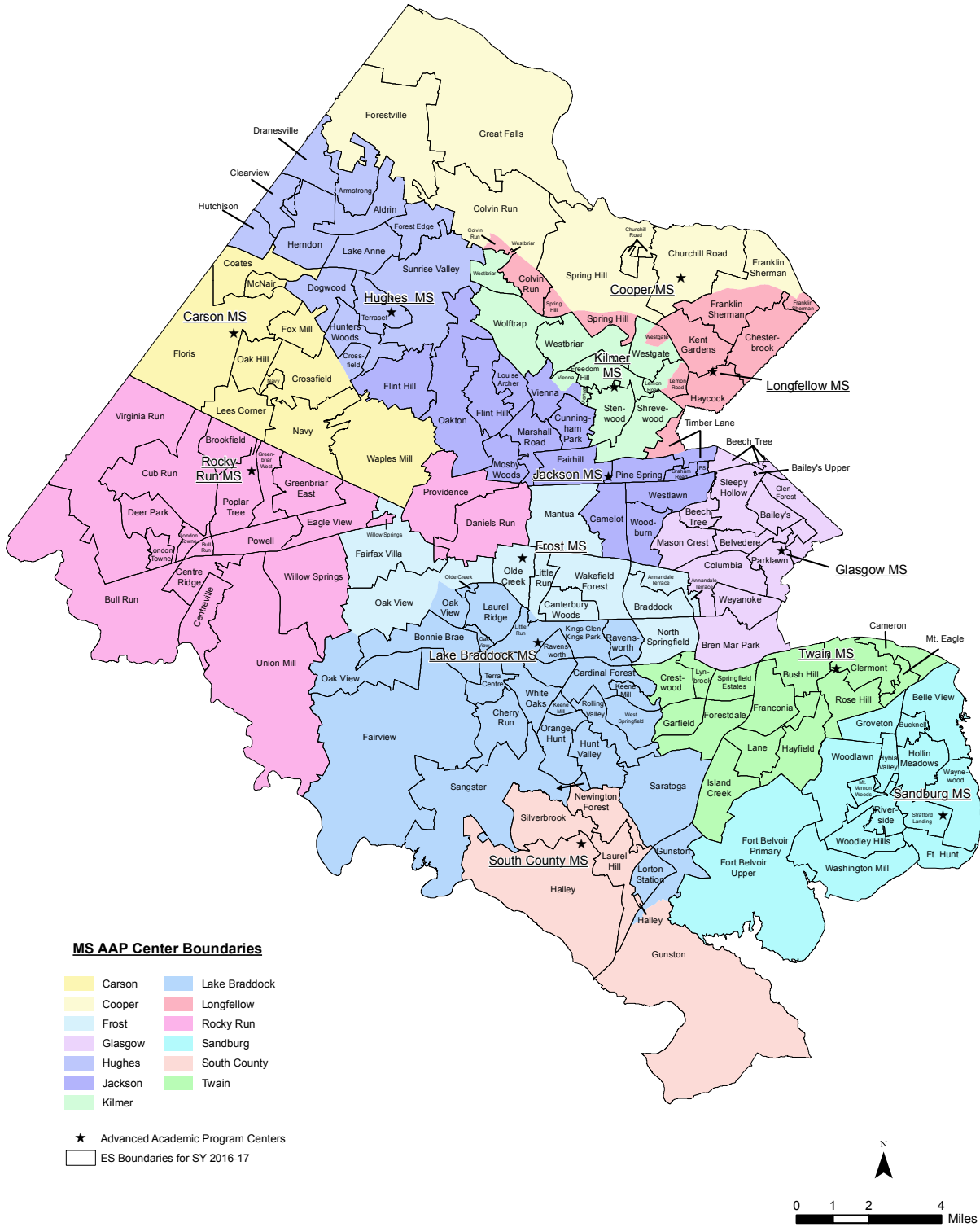
PROGRAM ABBREVIATIONS:

FECEP / HS	FAMILY AND EARLY CHILDHOOD EDUCATION PROGRAM / HEAD START
EHS	EARLY HEAD START
ES AAP	ELEMENTARY SCHOOL ADVANCED ACADEMIC PROGRAMS
MS AAP	MIDDLE SCHOOL ADVANCED ACADEMIC PROGRAMS
HS AP	HIGH SCHOOL ADVANCED PLACEMENT
HS IB	HIGH SCHOOL INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAM
ESOL	ENGLISH FOR SPEAKERS OF OTHER LANGUAGES
ECCB	EARLY CHILDHOOD CLASS-BASED
PAC	PRESCHOOL AUTISM CLASS
AUT	AUTISM
CSS	COMPREHENSIVE SERVICES SITE
ID	INTELLECTUAL DISABILITIES
IDS	INTELLECTUAL DISABILITIES SEVERE
DHOH	DEAF OR HARD OF HEARING
BVI	BLIND AND VISUALLY IMPAIRED
PD	PHYSICAL DISABILITIES

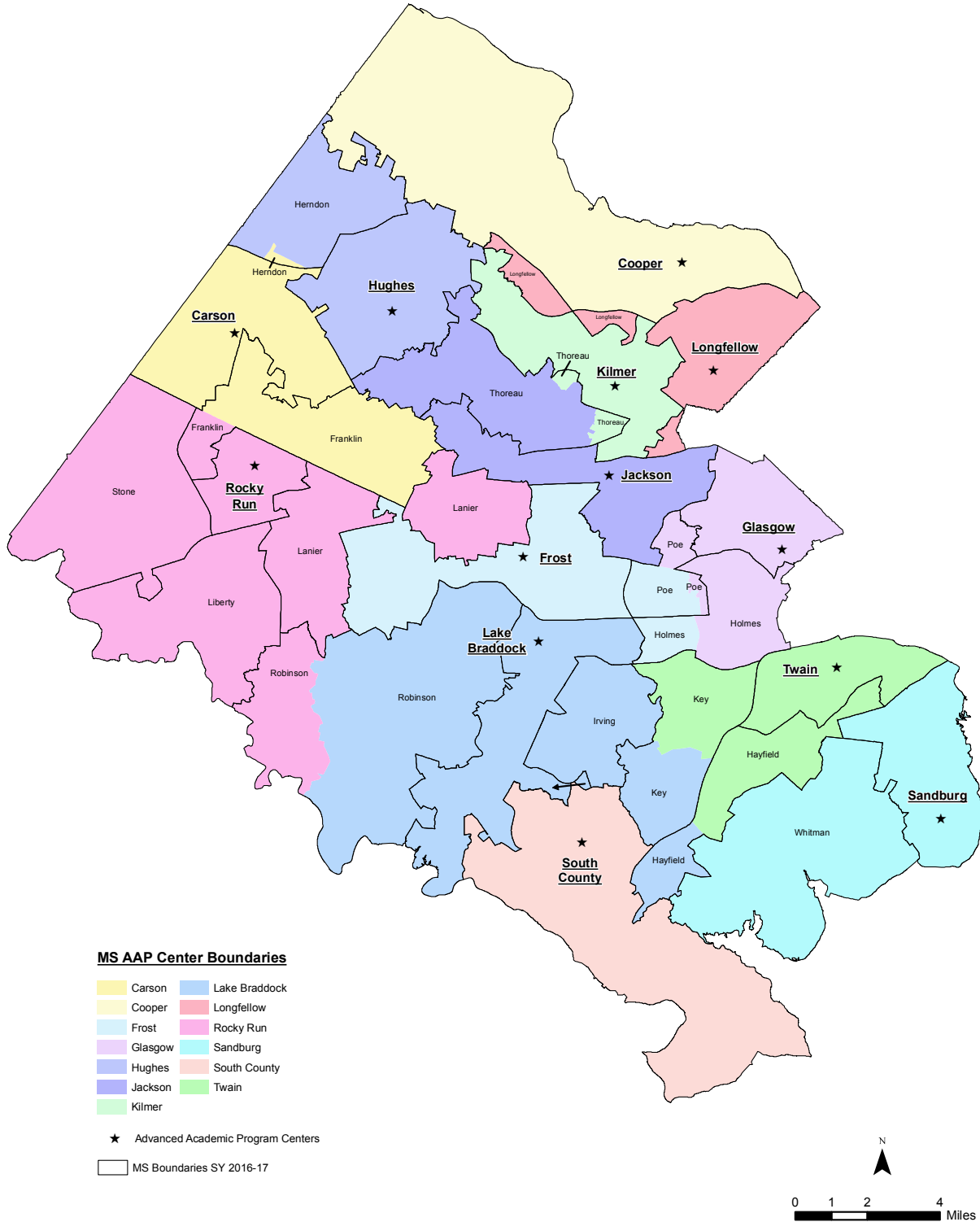
SY 2016-17 Elementary School Advanced Academic Program Center Boundaries and Local Level IV Academic Programs



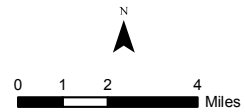
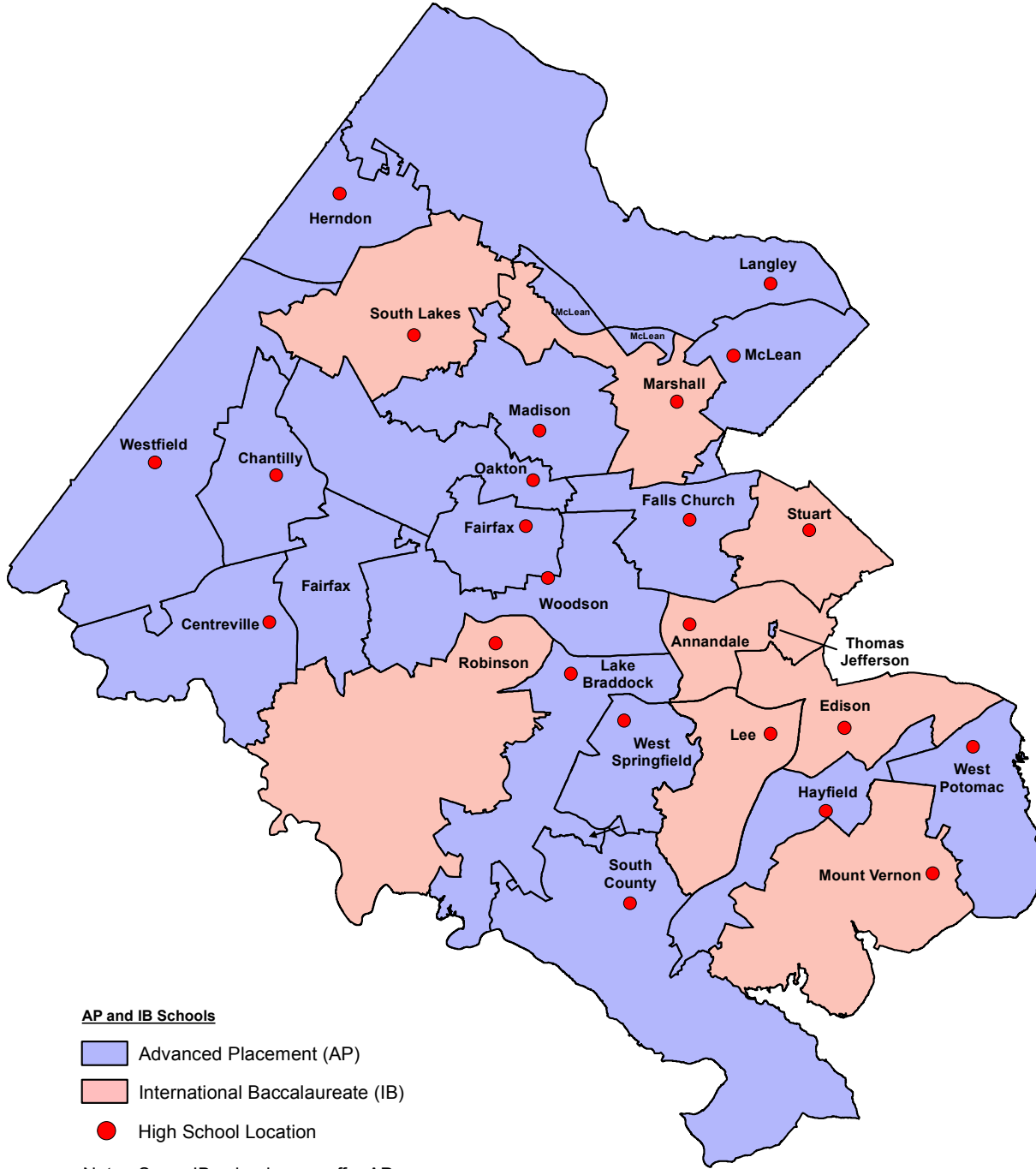
SY 2016-17 Middle School Advanced Academic Program Center Boundaries by Elementary School



SY 2016-17 Middle School Advanced Academic Program Center Boundaries by Middle School



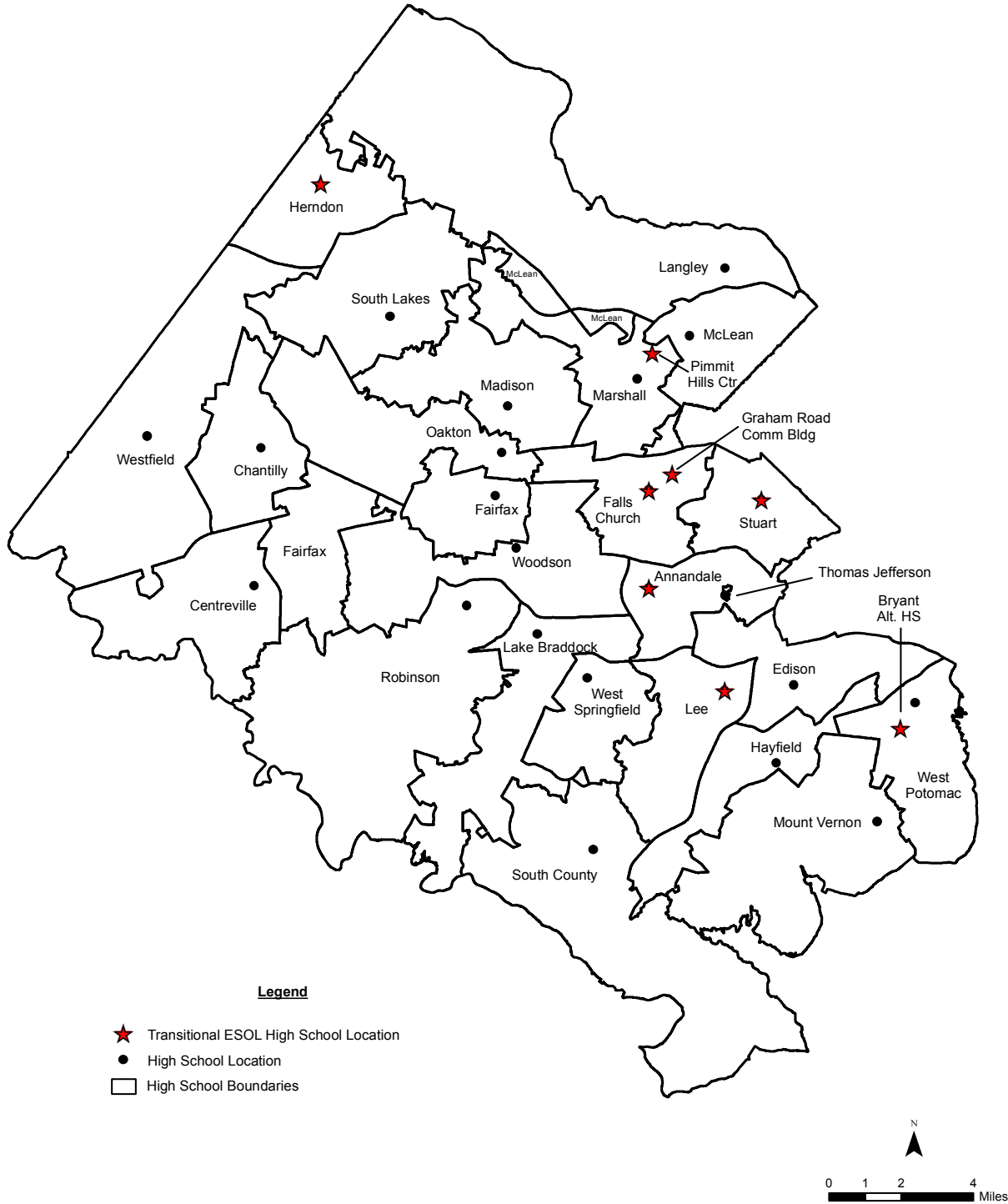
SY 2016-17 High School Curriculum Offerings



SY 2016-17 Special Education and Nontraditional Schools



SY 2016-17 Transitional ESOL High School Sites



Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)



**FAIRFAX COUNTY
PUBLIC SCHOOLS**

Department of Facilities and Transportation Services
Office of Design and Construction Services
FCPS Administrative Center
8115 Gatehouse Road
Falls Church, Virginia 22042

March 10, 2016

Removal of Temporary Classrooms – Estimated Costs and Analysis

During the December 7, 2015 and January 11, 2016, requests were made for staff to present:

“List of modulators in each school and the capacity, along with plan for discussion on use of modulators” (#16-9);

“how we use and the cost of eliminating all temporary buildings with permanent buildings, be sure to include (and separate out) the cost of replacing modular” (#16-13).

The following report is divided into two parts. The first part presents information related to trailer usage and associated costs. The second part presents information related to modular additions. It is important to note that modulators are funded utilizing capital bond monies and are not intended to be portable.

Part I: TRAILERS

For the purposes of this study we examined what are traditionally referred to as trailers, portables or learning cottages. These buildings are mobile in and intended to remain at a site for short period of time and are funded via the FCPS operating fund.

It is important to note that Fairfax County Public Schools (FCPS) has been utilizing temporary trailers for more than 35 years. Initially, the use of trailers was for the purpose of addressing capacity deficits at particular schools. Over the past 20 years, temporary classroom use has increased considerably due to both capacity deficits and program expansion. Program expansions include such items as full day kindergarten and elementary band & strings. There also has been an increase in trailer use to accommodate increasing comprehensive and remedial services for our students and community.

Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

Trailer Distribution and Usage by Region

The following table is derived from the trailer use information contained within the Facilities Dashboard and the FY2017-21 Capital Improvement Plan (CIP). The table displays the quantity of temporary classrooms provided for required **core** instruction, pull-out **special education** (SPED) instruction, and **other**, by region and school level. The 'other' category includes a variety of uses such as band & strings, parent liaison, itinerants, storage, etc.

Current # of Temporary Classrooms in FCPS

Region	School Level	Core Classrooms	SPED/Pull Out Spaces	Other	Total # of Classrooms
Region 1	ES	35	5	41	81
Region 2	ES	76	19	101	196
Region 3	ES	48	10	88	146
Region 4	ES	17	2	52	71
Region 5	ES	40	10	66	116
Total	ES	216	46	348	610
Region 1	MS	2	0	18	20
Region 2	MS	7	2	26	35
Region 3	MS	0	0	8	8
Region 4	MS	0	0	0	0
Region 5	MS	1	0	10	11
Total	MS	10	2	62	74
Region 1	HS	39	5	20	64
Region 2	HS	39	6	16	61
Region 3	HS	9	1	4	14
Region 4	HS	15	6	21	42
Region 5	HS	16	4	12	32
Total	HS	118	22	73	213
Total	All Schools	344	70	483	897

FCPS currently uses 897 temporary classrooms. The total number has been reduced over the past few years due to the high number of recently completed renovations and additions and the slowing population growth. The majority of the temporary classrooms are not used for core instruction (38% of total) but instead fall into the “other” category (54%). Nevertheless, the number of temporary classrooms remains very high and elimination is currently well beyond the reach of the Capital Program.

Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

Future Trailer Distribution and Usage by Region

As presented in the table below, in the next five years, 277 temporary classrooms will be eliminated through capital projects. They are located in schools that are/will be under construction, as indicated in the FY 2017-21 Capital Improvement Program. This equates to 31% of the present total. Although this is a significant reduction, FCPS will continue to need more than 600 temporary classrooms.

Temporary Classrooms Eliminated via the Capital Program the next 5 Years

Region	School Level	Core Classrooms	SPED/Pull Out Spaces	Other	Total # of Classrooms
Region 1	ES	5	2	6	13
Region 2	ES	37	2	3	42
Region 3	ES	27	3	34	64
Region 4	ES	9	0	11	20
Region 5	ES	15	1	1	17
Total	ES	93	8	55	156
Region 1	MS	2	0	7	9
Region 2	MS	0	0	16	16
Region 3	MS	0	0	0	0
Region 4	MS	0	0	0	0
Region 5	MS	0	0	0	0
Total	MS	2	0	23	25
Region 1	HS	39	2	20	61
Region 2	HS	24	0	0	24
Region 3	HS	0	0	0	0
Region 4	HS	0	3	8	11
Region 5	HS	0	0	0	0
Total	HS	63	5	28	96
Total	All Schools	158	13	106	277

Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

The following table displays the quantity of trailers which will not be affected by the Capital Program over the next five years. As previously indicated, the number of trailers in use will be well above 600 (if enrollment remains steady). Unfortunately, calculating the costs of removing the trailers is complicated as many of the programs within these spaces do not warrant a full classroom. In addition, determining the amount of square footage necessary to accommodate the removal of the trailers and associated construction square foot costs are contingent upon the quantity of spaces for each specific site.

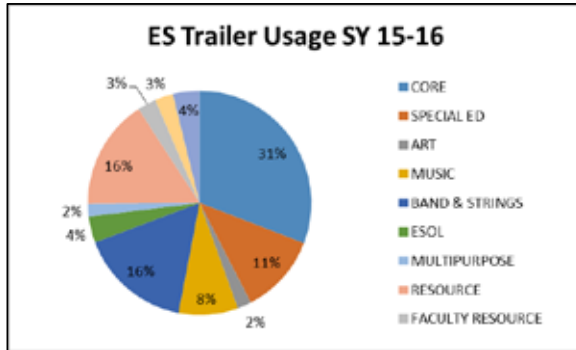
Temporary Classrooms not Affected by Capital Program the next 5 Years

Region	School Level	Core Classrooms	SPED/Pull Out Spaces	Other	Total # of Classrooms
Region 1	ES	30	3	35	68
Region 2	ES	39	17	98	154
Region 3	ES	21	7	54	82
Region 4	ES	8	2	41	51
Region 5	ES	25	9	65	99
Total	ES	123	38	293	454
Region 1	MS	0	0	11	11
Region 2	MS	7	2	10	19
Region 3	MS	0	0	8	8
Region 4	MS	0	0	0	0
Region 5	MS	1	0	10	11
Total	MS	8	2	39	49
Region 1	HS	0	3	0	3
Region 2	HS	15	6	16	37
Region 3	HS	9	1	4	14
Region 4	HS	15	3	13	31
Region 5	HS	16	4	12	32
Total	HS	55	17	45	117
Total	All Schools	186	57	377	620

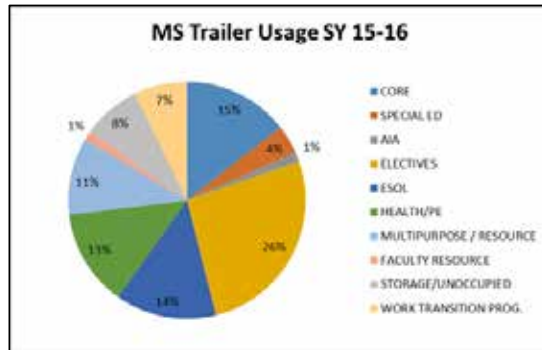
Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

Trailer Usage by Level

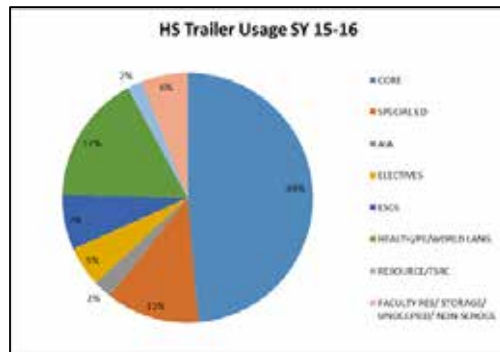
As mentioned previously, trailers are used for a variety of purposes at each level. The graphs below show the percentage of trailers used for the corresponding purposes at each level. The largest usage of trailers at the elementary school level is for core instructional space (31%). The next largest areas of usage are for the band & strings program (16%) and resource (16%).



At the middle school level, the largest usage of trailers is for electives (26%), followed by core instructional spaces (15%) and ESOL/health & PE needs (14%/13%).



At the high school level, the largest usage of trailers is for core instructional space (49%), followed by health & PE/world language (17%) and Special Education (12%).



Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

Removal of Temporary Classrooms- Cost Analysis

Removal of trailers will necessitate the need for numerous classroom additions, just to meet capacity deficits. The following cost analysis is broken down into three categories; small additions (5 or fewer classrooms), medium sized additions (6 to 12 classrooms) and large sized additions (12 + classrooms).

It is important to note that costs of smaller additions will be nearly \$100 per square foot higher than medium and large additions. This is due to a lack of efficiency and loss of volume discount with small additions. Additionally, changes to the Storm Water Regulations implemented in 2014 by the Environmental Protection Agency (PTA) and the State Department of Environmental Quality (DEQ) have resulted in additional expenses.

Based on the current data and information, the following table estimates the total number of additions needed in order to eliminate temporary classrooms. A total of eighty-two additions would be needed: fifty-nine small additions, sixteen medium additions, and seven large additions.

Quantity and Addition Size needed to Eliminate Temporary Classrooms

School Level	Small 2 to 5 Rooms	Medium 6 to 12 Rooms	Large 12 or More Rooms	Total Additions
Elementary	58	13	1	72
Middle	1	1	1	3
High	0	2	5	7
Total	59	16	7	82

Small Additions – Cost Calculations: The vast majority of the additions would be small. When determining the cost of the small additions we believe it advisable to use the average quantity of rooms within this group (4) as the basis. Therefore; for the small additions, the costs would be calculated using the following formula:

Small Addition Cost Calculation				
Quantity of Spaces	Square Feet Per	Square Feet	Circulation (40%)	Total Addition SQ Feet
4	825	3,300	1,320	4,620
Total Addition SQ Feet	Construction Costs	Construction Costs	Soft Costs (24%)	Addition Costs
4,620	\$340	\$1,570,800	\$376,992	\$1,947,792
		Cost per Addition	Quantity	Total Costs
		\$1,947,792	59	\$114,919,728

The small sized additions are the most costly on a square foot basis. Although we rarely construct additions of this size, the few in the past which we have constructed have been considerably more expensive than the larger additions. Reiterating: the primary reason is the fact that we lose the benefit of volume discount on materials and labor. In addition, although we calculated the soft costs (permits, architectural fees, and equipment at the same rate for all additions types) it is possible that as an overall percentage of the cost they could be higher. This is a conservative estimate based upon recent construction costs (it is not practical to engineer and program 59 additions concurrently).

Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

Medium Additions – Cost Calculations: The following grouping of additions labeled medium is much closer in size and scope to many of our addition projects. The 16 schools which comprise this group average approximately 9 trailers per school, which is the basis of the calculation.

Medium Addition Cost Calculation				
Quantity of Spaces	Square Feet Per	Square Feet	Circulation (40%)	Total Addition SQ Feet
9	825	7,425	2,970	10,395
Total Addition SQ Feet				
10,395	Construction Costs	Construction Costs	Soft Costs (24%)	Addition Costs
	\$300	\$3,118,500	\$748,440	\$3,866,940
Cost per Addition		Quantity	Total Costs	
\$3,866,940		16	\$61,871,040	

Large Additions – Cost Calculations: The final group of additions is the smallest in quantity but represents the greatest variation. The large additions would range in size from 13 classrooms to upwards of 22 classrooms. The average of the group is 18 classrooms and forms the basis of the calculation.

Large Addition Cost Calculation				
Quantity of Spaces	Square Feet Per	Square Feet	Circulation (40%)	Total Addition SQ Feet
18	825	14,850	5,940	20,790
Total Addition SQ Feet				
20,790	Construction Costs	Construction Costs	Soft Costs (24%)	Addition Costs
	\$285	\$5,925,150	\$1,422,036	\$7,347,186
Cost per Addition		Quantity	Total Costs	
\$7,347,186		7	\$51,430,302	

Projected Cost Summary

The total estimated costs forecasted to eliminate trailers are approximately \$228.2M. The average yearly construction cost has increased by 4% over the past 20 years and is expected that these costs will continue to increase by this rate into the future.

Addition Type	Cost per Addition	Quantity	Total Costs
Small	\$1,947,792	59	\$114,919,728
Medium	\$3,866,940	16	\$61,871,040
Large	\$7,347,186	7	\$51,430,302
Total		82	\$228,221,070

It should be noted that these are forecasted estimates based upon the information available at the time of the request and, therefore; are very general in nature. Additional potential restrictions and limitations, (i.e. a lack of floor-area-ratio, etc.) have not been reviewed nor included in this preliminary report. Further, these preliminary estimates do not include other improvements to the specific buildings or grounds which could increase costs significantly.

Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

Part 2: Modular Classroom Additions

Removal of Modular Classroom Additions

There are currently more than 39 modular classroom additions throughout FCPS. The installation of the modular additions began in 1999 when FCPS installed 3 of these additions at Glasgow MS (2 additions) and Glen Forest ES. The 2001, 2003 and 2005 bond referendums included multiple modular additions throughout the county. Subsequent bonds have not contained funding for new modular additions, but instead have requested funds for the relocation of the additions. Relocation has occurred for a variety of reasons such as revised enrollment projection estimates, new programs and most recently to a renovation project – which replaces the modular addition with a structural addition.

For the purposes of this analysis, we have included only the modular additions at our standard elementary, middle or high schools. In addition, we excluded the modular additions which are in the process of relocation due to a current renovation project. It is important to note that these additions were funded through our capital fund which means that we will continue to pay the debt service for a number of years.

The total quantity of modular additions at our elementary, middle and high schools stands at 35. Provided that the capital program is maintained in line with the current schedule, approximately 11 of these modular additions will no longer be needed due to the fact that the renovation projects will eliminate the requirement as permanent buildings will replace these structures. That work has been calculated into the cost of the renovation project. It should also be noted, that the elimination of the modular additions at the renovation projects was not part of the trailer removal analysis earlier in this document.

The 35 modular additions provide approximately 347 classrooms or 8,675 seats for our students; with the majority at the elementary level. The modular additions which will be eliminated via the capital program (additions) will reduce this requirement by 111 classrooms or 2,775 seats.

Additional Resources (Continued)

Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

The following chart displays the location and quantity of classrooms in a modular which would need a medium sized (6 to 12 classrooms) addition for replacement. The schools in which a renovation project is scheduled are identified in red.

Medium Sized Modular Addition (6 to 12 Rooms)		
School	Modular Quantity	Classrooms
OAK HILL ES	1	6
CHERRY RUN ES	1	7
CAMERON ES	1	8
CENTREVILLE HS	1	8
MANTUA ES	1	8
MOUNT EAGLE ES	1	8
*WAYNEWOOD ES	1	8
CHURCHILL ROAD ES	1	10
*ANNANDALE TERRACE ES	1	10
BAILEYS ES	1	10
BRADDOCK ES	1	10
CENTREVILLE ES	1	10
COLIN POWELL ES	1	10
CRESTWOOD ES	1	10
DEER PARK ES	1	10
*FROST MS	1	10
GROVETON ES	1	10
HERNDON ES	1	10
LONDON TOWNE ES	1	10
*LOUISE ARCHER ES	1	10
*MOSBY WOODS ES	1	10
PARKLAWN ES	1	10
RIVERSIDE ES	1	10
ROBINSON SS	1	10
ROSE HILL ES	1	10
*STRATFORD LANDING ES	1	10
*WASHINGTON MILL ES	1	10
*WHITE OAKS ES	1	10
FORESTDALE ES	1	12
*MT VERNON WOODS ES	1	12
TOTAL	30	287
TOTAL upon completion of CAPITAL PROJECTS (10 Removed)	20	190

Additional Resources (Continued)

Next Steps from 12-7-15 Worksession (#16-9) & 1-11-16 Worksession (#16-13)

Large Sized Modular Addition (6 to 12 Rooms)		
School	Quantity of Modular Addition	Classrooms
*COOPER MS	1	14
ANNANDALE HS	1	14
CHANTILLY HS	1	14
GLEN FOREST ES	2	18
TOTAL	5	60
TOTAL upon completion of CAPITAL PROJECTS (1 Removed)	4	46

Modular Addition Replacement – Cost Estimate

Unlike the trailers, the majority of the additions needed to replace the modular additions would fall into the medium sized category. Applying the same estimate figures as previously used in this report the cost to replace the modular additions.

Medium Addition Cost Calculation				
Classroom Spaces	Square Feet Per	Square Feet	Circulation (40%)	Total Addition SQ Feet
10	825	8,250	3,300	11,550
Total Addition SQ Feet	Construction Costs	Construction Costs	Soft Costs (24%)	Addition Costs
11,550	\$300	\$3,465,000	\$831,600	\$4,296,600
TOTAL	Cost per Addition	Quantity	Total Costs	
	\$4,296,600	30	\$128,898,000	
TOTAL upon completion of CAPITAL PROJECTS	Cost per Addition	Quantity	Total Costs	
	\$4,296,600	20	\$85,932,000	

Large Addition Cost Calculation				
Classroom Spaces	Square Feet Per	Square Feet	Circulation (40%)	Total Addition SQ Feet
15	825	12,375	4,950	17,325
Total Addition SQ Feet	Construction Costs	Construction Costs	Soft Costs (24%)	Addition Costs
17,325	\$285	\$4,937,625	\$1,185,030	\$6,122,655
TOTAL	Cost per Addition	Quantity	Total Costs	
	\$6,122,655	5	\$30,613,275	
TOTAL upon completion of CAPITAL PROJECTS	Cost per Addition	Quantity	Total Costs	
	\$6,122,655	4	\$24,490,620	

Alphabetical List of Schools

ALDRIN ES

Region	1
Year Opened	1994
Capacity Enhancements	---
Renovations	---
Square Footage	97,436
Acreage	13.69
Feeder School	Herndon MS Herndon HS

ANNANDALE HS

Region	2
Year Opened	1954
Capacity Enhancements	2010
Renovations	2005
Square Footage	345,994
Acreage	28.04

ANNANDALE TERRACE ES

Region	2
Year Opened	1964
Capacity Enhancements	2002
Renovations	1991
Square Footage	63,502
Acreage	12.00
Feeder School	Poe MS Annandale HS

ARMSTRONG ES

Region	1
Year Opened	1986
Capacity Enhancements	1990
Renovations	---
Square Footage	80,000
Acreage	14.30
Feeder School	Herndon MS Herndon HS

BAILEY'S ES

Region	2
Year Opened	1952
Capacity Enhancements	2002
Renovations	1995
Square Footage	108,268
Acreage	9.54
Feeder School	Bailey's Upper ES Glasgow MS Stuart HS

BAILEY'S UPPER ES

Region	2
Year Opened	2014
Capacity Enhancements	---
Renovations	---
Square Footage	101,000
Acreage	3.80
Feeder School	Glasgow MS Stuart HS

BEECH TREE ES

Region	2
Year Opened	1968
Capacity Enhancements	2004
Renovations	2012
Square Footage	70,331
Acreage	9.90
Feeder School	Glasgow MS Stuart HS

BELLE VIEW ES

Region	3
Year Opened	1952
Capacity Enhancements	1970
Renovations	1991
Square Footage	75,779
Acreage	10.50
Feeder School	Sandburg MS West Potomac HS

BELVEDERE ES

Region	2
Year Opened	1954
Capacity Enhancements	1990
Renovations	1996
Square Footage	76,611
Acreage	10.93
Feeder School	Glasgow MS Stuart HS

BONNIE BRAE ES

Region	4
Year Opened	1988
Capacity Enhancements	---
Renovations	---
Square Footage	88,778
Acreage	13.29
Feeder School	Robinson MS Robinson HS

BRADDOCK ES

Region	2
Year Opened	1959
Capacity Enhancements	2008
Renovations	1983
Square Footage	71,533
Acreage	12.32
Feeder School	Poe MS Annandale HS

BREN MAR PARK ES

Region	2
Year Opened	1957
Capacity Enhancements	2002
Renovations	1991
Square Footage	62,999
Acreage	9.61
Feeder School	Holmes MS Edison HS

Alphabetical List of Schools (continued)

BROOKFIELD ES

Region	5
Year Opened	1967
Capacity Enhancements	1998
Renovations	1986
Square Footage	107,827
Acreage	13.00
Feeder School	Rocky Run MS, Franklin MS Chantilly HS

BUCKNELL ES

Region	3
Year Opened	1954
Capacity Enhancements	1978
Renovations	1994
Square Footage	65,470
Acreage	10.00
Feeder School	Sandburg MS West Potomac HS

BULL RUN ES

Region	4
Year Opened	1999
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	40.77
Feeder School	Liberty MS, Stone MS Centreville HS, Westfield HS

BUSH HILL ES

Region	3
Year Opened	1954
Capacity Enhancements	2000
Renovations	2000
Square Footage	70,939
Acreage	11.03
Feeder School	Twain MS Edison HS

CAMELOT ES

Region	2
Year Opened	1969
Capacity Enhancements	---
Renovations	2002
Square Footage	89,938
Acreage	10.00
Feeder School	Jackson MS Falls Church HS

CAMERON ES

Region	3
Year Opened	1952
Capacity Enhancements	2002
Renovations	1993
Square Footage	82,523
Acreage	8.00
Feeder School	Twain MS Edison HS

CANTERBURY WOODS ES

Region	5
Year Opened	1965
Capacity Enhancements	2004
Renovations	2013
Square Footage	62,630
Acreage	11.75
Feeder School	Frost MS Woodson HS

CARDINAL FOREST ES

Region	4
Year Opened	1966
Capacity Enhancements	1969
Renovations	2000
Square Footage	80,214
Acreage	12.70
Feeder School	Irving MS West Springfield HS

CARSON MS

Region	1
Year Opened	1998
Capacity Enhancements	---
Renovations	---
Square Footage	178,723
Acreage	32.94
Feeder School	Westfield HS, South Lakes HS, Oakton HS

CENTRE RIDGE ES

Region	4
Year Opened	1990
Capacity Enhancements	---
Renovations	---
Square Footage	93,981
Acreage	13.78
Feeder School	Liberty MS Centreville HS

CENTREVILLE ES

Region	4
Year Opened	1994
Capacity Enhancements	2012
Renovations	---
Square Footage	98,625
Acreage	13.13
Feeder School	Liberty MS Centreville HS

CENTREVILLE HS

Region	4
Year Opened	1988
Capacity Enhancements	2005
Renovations	---
Square Footage	327,000
Acreage	36.40

Alphabetical List of Schools (continued)

CHANTILLY HS

Region 5
 Year Opened 1972
 Capacity Enhancements 2005
 Renovations 1993
 Square Footage 387,550
 Acreage 35.01

CHERRY RUN ES

Region 4
 Year Opened 1983
 Capacity Enhancements 1983
 Renovations ---
 Square Footage 63,518
 Acreage 11.02
 Feeder School Lake Braddock MS
 Lake Braddock HS

CHESTERBROOK ES

Region 2
 Year Opened 1926
 Capacity Enhancements 1999
 Renovations 2000
 Square Footage 76,713
 Acreage 14.26
 Feeder School Longfellow MS
 McLean HS

CHURCHILL ROAD ES

Region 1
 Year Opened 1958
 Capacity Enhancements 2006
 Renovations 2001
 Square Footage 67,788
 Acreage 10.00
 Feeder School Cooper MS
 Langley HS

CLEARVIEW ES

Region 1
 Year Opened 1979
 Capacity Enhancements 1990
 Renovations ---
 Square Footage 85,609
 Acreage 13.90
 Feeder School Herndon MS
 Herndon HS

CLERMONT ES

Region 3
 Year Opened 1968
 Capacity Enhancements 1983
 Renovations 2015
 Square Footage 50,800
 Acreage 13.00
 Feeder School Twain MS
 Edison HS

COATES ES

Region 5
 Year Opened 2009
 Capacity Enhancements ---
 Renovations ---
 Square Footage 89,758
 Acreage 14.38
 Feeder School Carson MS, Herndon MS
 Westfield HS, Herndon HS

COLIN POWELL ES

Region 4
 Year Opened 2003
 Capacity Enhancements 2010
 Renovations ---
 Square Footage 98,590
 Acreage 17.07
 Feeder School Liberty MS, Lanier MS
 Centreville HS, Fairfax HS

COLUMBIA ES

Region 2
 Year Opened 1967
 Capacity Enhancements 1988
 Renovations 1995
 Square Footage 54,993
 Acreage 10.00
 Feeder School Holmes MS, Poe MS
 Annandale HS

COLVIN RUN ES

Region 1
 Year Opened 2003
 Capacity Enhancements ---
 Renovations ---
 Square Footage 98,590
 Acreage 12.55
 Feeder School Cooper MS, Longfellow MS
 Langley HS, McLean HS

COOPER MS

Region 1
 Year Opened 1962
 Capacity Enhancements 2006
 Renovations 1989
 Square Footage 111,760
 Acreage 20.22
 Feeder School Langley HS

CRESTWOOD ES

Region 3
 Year Opened 1955
 Capacity Enhancements 2012
 Renovations 2000
 Square Footage 76,317
 Acreage 11.18
 Feeder School Key MS
 Lee HS

Alphabetical List of Schools (continued)

CROSSFIELD ES

Region	1
Year Opened	1988
Capacity Enhancements	---
Renovations	---
Square Footage	89,134
Acreage	14.20
Feeder School	Carson MS, Hughes MS, Franklin MS Oakton HS, South Lakes HS, Chantilly HS

CUB RUN ES

Region	5
Year Opened	1986
Capacity Enhancements	---
Renovations	---
Square Footage	77,850
Acreage	16.26
Feeder School	Stone MS, Franklin MS Westfield HS, Chantilly HS

CUNNINGHAM PARK ES

Region	1
Year Opened	1967
Capacity Enhancements	2013
Renovations	2000
Square Footage	55,470
Acreage	10.37
Feeder School	Thoreau MS Madison HS, Marshall HS

DANIELS RUN ES

Region	5
Year Opened	1955
Capacity Enhancements	2000
Renovations	2001
Square Footage	93,312
Acreage	13.70
Feeder School	Lanier MS Fairfax HS

DEER PARK ES

Region	5
Year Opened	1995
Capacity Enhancements	2002
Renovations	---
Square Footage	86,990
Acreage	10.00
Feeder School	Stone MS Westfield HS

DOGWOOD ES

Region	1
Year Opened	2001
Capacity Enhancements	---
Renovations	---
Square Footage	98,900
Acreage	14.00
Feeder School	Hughes MS South Lakes HS

DRANESVILLE ES

Region	1
Year Opened	1988
Capacity Enhancements	---
Renovations	---
Square Footage	88,778
Acreage	13.15
Feeder School	Herndon MS Herndon HS

EAGLE VIEW ES

Region	5
Year Opened	2006
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	12.50
Feeder School	Lanier MS Fairfax HS

EDISON HS

Region	3
Year Opened	1962
Capacity Enhancements	1986
Renovations	2012
Square Footage	351,000
Acreage	43.48

FAIRFAX HS

Region	5
Year Opened	1972
Capacity Enhancements	2007
Renovations	2007
Square Footage	397,407
Acreage	47.76

FAIRFAX VILLA ES

Region	5
Year Opened	1965
Capacity Enhancements	2013
Renovations	1993
Square Footage	57,974
Acreage	11.55
Feeder School	Frost MS Woodson HS

FAIRHILL ES

Region	2
Year Opened	1965
Capacity Enhancements	1996
Renovations	1996
Square Footage	73,174
Acreage	10.17
Feeder School	Jackson MS Falls Church HS

Alphabetical List of Schools (continued)

FAIRVIEW ES

Region	4
Year Opened	1938
Capacity Enhancements	1983
Renovations	2000
Square Footage	82,391
Acreage	14.36
Feeder School	Robinson MS Robinson HS

FALLS CHURCH HS

Region	2
Year Opened	1967
Capacity Enhancements	1988
Renovations	1989
Square Footage	306,487
Acreage	39.54

FLINT HILL ES

Region	1
Year Opened	1954
Capacity Enhancements	1993
Renovations	1993
Square Footage	73,532
Acreage	10.00
Feeder School	Thoreau MS Madison HS

FLORIS ES

Region	5
Year Opened	1955
Capacity Enhancements	2004
Renovations	2004
Square Footage	83,560
Acreage	10.00
Feeder School	Carson MS South Lakes HS, Westfield HS

FOREST EDGE ES

Region	1
Year Opened	1971
Capacity Enhancements	---
Renovations	2005
Square Footage	96,624
Acreage	13.37
Feeder School	Hughes MS South Lakes HS

FORESTDALE ES

Region	3
Year Opened	1964
Capacity Enhancements	2006
Renovations	1993
Square Footage	55,985
Acreage	9.50
Feeder School	Key MS Lee HS

FORESTVILLE ES

Region	1
Year Opened	1980
Capacity Enhancements	1998
Renovations	---
Square Footage	75,592
Acreage	7.72
Feeder School	Cooper MS Langley HS

FORT BELVOIR PRIMARY ES

Region	3
Year Opened	1998
Capacity Enhancements	---
Renovations	---
Square Footage	134,939
Acreage	19.80
Feeder School	Fort Belvoir Upper ES Whitman MS Mount Vernon HS

FORT BELVOIR UPPER ES

Region	3
Year Opened	2016
Capacity Enhancements	---
Renovations	---
Square Footage	95,431
Acreage	19.80
Feeder School	Whitman MS Mount Vernon HS

FORT HUNT ES

Region	3
Year Opened	1969
Capacity Enhancements	1995
Renovations	2003
Square Footage	87,481
Acreage	13.03
Feeder School	Sandburg MS West Potomac HS

FOX MILL ES

Region	1
Year Opened	1979
Capacity Enhancements	1980
Renovations	---
Square Footage	75,784
Acreage	13.55
Feeder School	Carson MS South Lakes HS

FRANCONIA ES

Region	3
Year Opened	1931
Capacity Enhancements	1986
Renovations	2012
Square Footage	71,658
Acreage	6.75
Feeder School	Twain MS Edison HS

Alphabetical List of Schools (continued)

FRANKLIN MS

Region	5
Year Opened	1984
Capacity Enhancements	---
Renovations	---
Square Footage	150,481
Acreage	35.29
Feeder School	Chantilly HS, Oakton HS

FRANKLIN SHERMAN ES

Region	2
Year Opened	1952
Capacity Enhancements	1975
Renovations	2009
Square Footage	66,035
Acreage	10.75
Feeder School	Longfellow MS, Cooper MS McLean HS, Langley HS

FREEDOM HILL ES

Region	2
Year Opened	1949
Capacity Enhancements	1990
Renovations	2009
Square Footage	79,750
Acreage	12.07
Feeder School	Kilmer MS Marshall HS

FROST MS

Region	5
Year Opened	1964
Capacity Enhancements	2013
Renovations	1991
Square Footage	127,981
Acreage	24.00
Feeder School	Woodson HS

GARFIELD ES

Region	3
Year Opened	1952
Capacity Enhancements	1967
Renovations	2015
Square Footage	60,776
Acreage	8.16
Feeder School	Key MS Lee HS

GLASGOW MS

Region	2
Year Opened	2008
Capacity Enhancements	---
Renovations	---
Square Footage	199,406
Acreage	22.40
Feeder School	Stuart HS

GLEN FOREST ES

Region	2
Year Opened	1957
Capacity Enhancements	2002
Renovations	1994
Square Footage	88,236
Acreage	10.23
Feeder School	Glasgow MS Stuart HS

GRAHAM ROAD ES

Region	2
Year Opened	2012
Capacity Enhancements	---
Renovations	2012
Square Footage	81,354
Acreage	8.13
Feeder School	Jackson MS Falls Church HS

GREAT FALLS ES

Region	1
Year Opened	1952
Capacity Enhancements	1991
Renovations	2010
Square Footage	87,447
Acreage	10.00
Feeder School	Cooper MS Langley HS

GREENBRIAR EAST ES

Region	5
Year Opened	1968
Capacity Enhancements	2013
Renovations	2005
Square Footage	80,778
Acreage	10.00
Feeder School	Lanier MS, Rocky Run MS Fairfax HS, Chantilly HS

GREENBRIAR WEST ES

Region	5
Year Opened	1971
Capacity Enhancements	1992
Renovations	2006
Square Footage	93,203
Acreage	10.00
Feeder School	Rocky Run MS, Chantilly HS

GROVETON ES

Region	3
Year Opened	1972
Capacity Enhancements	2011
Renovations	2005
Square Footage	91,581
Acreage	12.99
Feeder School	Sandburg MS West Potomac HS

Alphabetical List of Schools (continued)

GUNSTON ES

Region	3
Year Opened	1954
Capacity Enhancements	1988
Renovations	1996
Square Footage	80,736
Acreage	10.00
Feeder School	Hayfield MS, South County MS Hayfield HS, South County HS

HALLEY ES

Region	4
Year Opened	1995
Capacity Enhancements	---
Renovations	---
Square Footage	98,900
Acreage	20.11
Feeder School	South County MS South County HS

HAYCOCK ES

Region	2
Year Opened	1954
Capacity Enhancements	2009
Renovations	2016
Square Footage	85,897
Acreage	10.00
Feeder School	Longfellow MS McLean HS

HAYFIELD ES

Region	3
Year Opened	1966
Capacity Enhancements	1992
Renovations	2002
Square Footage	80,149
Acreage	13.13
Feeder School	Hayfield MS Hayfield HS

HAYFIELD HS

Region	3
Year Opened	1968
Capacity Enhancements	2002
Renovations	2004
Square Footage	346,910
Acreage	57.50

HAYFIELD MS

Region	3
Year Opened	1968
Capacity Enhancements	2002
Renovations	2004
Square Footage	170,050
Acreage	57.50
Feeder School	Hayfield HS

HERNDON ES

Region	1
Year Opened	1961
Capacity Enhancements	2007
Renovations	1991
Square Footage	85,396
Acreage	14.00
Feeder School	Herndon MS Herndon HS

HERNDON HS

Region	1
Year Opened	1967
Capacity Enhancements	1991
Renovations	1991
Square Footage	304,921
Acreage	40.22

HERNDON MS

Region	1
Year Opened	1927
Capacity Enhancements	1962
Renovations	1994
Square Footage	200,388
Acreage	27.30
Feeder School	Herndon HS

HOLLIN MEADOWS ES

Region	3
Year Opened	1965
Capacity Enhancements	2001
Renovations	1983
Square Footage	59,488
Acreage	9.65
Feeder School	Sandburg MS West Potomac HS

HOLMES MS

Region	2
Year Opened	1966
Capacity Enhancements	1991
Renovations	2003
Square Footage	158,849
Acreage	28.20
Feeder School	Annandale HS, Edison HS

HUGHES MS

Region	1
Year Opened	1980
Capacity Enhancements	---
Renovations	---
Square Footage	130,400
Acreage	25.00
Feeder School	South Lakes HS

Alphabetical List of Schools (continued)

HUNT VALLEY ES

Region 4
 Year Opened 1968
 Capacity Enhancements 1990
 Renovations 1995
 Square Footage 90,187
 Acreage 13.00
 Feeder School Irving MS
 West Springfield HS

HUNTERS WOODS ES

Region 1
 Year Opened 1969
 Capacity Enhancements 1987
 Renovations 2003
 Square Footage 99,787
 Acreage 11.23
 Feeder School Hughes MS
 South Lakes HS

HUTCHISON ES

Region 1
 Year Opened 1975
 Capacity Enhancements 1990
 Renovations 2005
 Square Footage 106,408
 Acreage 38.80
 Feeder School Herndon MS
 Herndon HS

HYBLA VALLEY ES

Region 3
 Year Opened 1964
 Capacity Enhancements 2012
 Renovations 1989
 Square Footage 108,950
 Acreage 10.00
 Feeder School Sandburg MS
 West Potomac HS

IRVING MS

Region 4
 Year Opened 1960
 Capacity Enhancements 1967
 Renovations 1994
 Square Footage 156,838
 Acreage 20.80
 Feeder School West Springfield HS

ISLAND CREEK ES

Region 3
 Year Opened 2003
 Capacity Enhancements ---
 Renovations ---
 Square Footage 98,590
 Acreage 18.50
 Feeder School Hayfield MS
 Hayfield HS

JEFFERSON TECH HS

Region 2
 Year Opened 1964
 Capacity Enhancements 1988
 Renovations 1989
 Square Footage 264,506
 Acreage 39.15

KEENE MILL ES

Region 4
 Year Opened 1961
 Capacity Enhancements 1990
 Renovations 2016
 Square Footage 92,137
 Acreage 11.49
 Feeder School Irving MS, Lake Braddock MS
 West Springfield HS,
 Lake Braddock HS

KENT GARDENS ES

Region 2
 Year Opened 1957
 Capacity Enhancements 2002
 Renovations 2003
 Square Footage 77,900
 Acreage 10.92
 Feeder School Longfellow MS
 McLean HS

KEY MS

Region 3
 Year Opened 1971
 Capacity Enhancement ---
 Renovations 2008
 Square Footage 221,670
 Acreage 20.60
 Feeder School Lee HS

KILMER MS

Region 2
 Year Opened 1967
 Capacity Enhancements ---
 Renovations 2002
 Square Footage 150,901
 Acreage 23.40
 Feeder School Marshall HS, Madison HS

KINGS GLEN ES

Region 4
 Year Opened 1969
 Capacity Enhancements 1986
 Renovations 2001
 Square Footage 72,702
 Acreage 8.20
 Feeder School Lake Braddock MS
 Lake Braddock HS

Alphabetical List of Schools (continued)

KINGS PARK ES

Region	4
Year Opened	1964
Capacity Enhancements	2013
Renovations	1997
Square Footage	82,920
Acreage	10.10
Feeder School	Kings Glen ES, Lake Braddock MS Lake Braddock HS

LAKE ANNE ES

Region	1
Year Opened	1967
Capacity Enhancements	2004
Renovations	2011
Square Footage	86,200
Acreage	10.18
Feeder School	Hughes MS South Lakes HS

LAKE BRADDOCK HS

Region	4
Year Opened	1971
Capacity Enhancements	---
Renovations	2007
Square Footage	434,660
Acreage	60.06

LAKE BRADDOCK MS

Region	4
Year Opened	1971
Capacity Enhancements	---
Renovations	2007
Square Footage	170,000
Acreage	60.06
Feeder School	Lake Braddock HS

LANE ES

Region	3
Year Opened	1995
Capacity Enhancements	---
Renovations	---
Square Footage	98,625
Acreage	20.34
Feeder School	Hayfield MS, Twain MS Hayfield HS, Edison HS

LANGLEY HS

Region	1
Year Opened	1965
Capacity Enhancements	2008
Renovations	1990
Square Footage	247,465
Acreage	42.86

LANIER MS

Region	5
Year Opened	1960
Capacity Enhancements	2006
Renovations	2008
Square Footage	182,589
Acreage	19.40
Feeder School	Fairfax HS

LAUREL HILL ES

Region	4
Year Opened	2009
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	8.66
Feeder School	South County MS South County HS

LAUREL RIDGE ES

Region	4
Year Opened	1970
Capacity Enhancements	1993
Renovations	2005
Square Footage	112,320
Acreage	12.55
Feeder School	Robinson MS Robinson HS

LEE HS

Region	3
Year Opened	1958
Capacity Enhancements	1974
Renovations	2005
Square Footage	336,068
Acreage	25.32

LEES CORNER ES

Region	5
Year Opened	1987
Capacity Enhancements	---
Renovations	---
Square Footage	81,843
Acreage	11.04
Feeder School	Franklin MS Chantilly HS

LEMON ROAD ES

Region	2
Year Opened	1955
Capacity Enhancements	2013
Renovations	2003
Square Footage	62,225
Acreage	12.01
Feeder School	Kilmer MS, Longfellow MS Marshall HS, McLean HS

Alphabetical List of Schools (continued)

LIBERTY MS

Region 4
 Year Opened 2002
 Capacity Enhancements ---
 Renovations ---
 Square Footage 178,723
 Acreage 79.86
 Feeder School Centreville HS

LITTLE RUN ES

Region 5
 Year Opened 1963
 Capacity Enhancements 1993
 Renovations 1993
 Square Footage 55,085
 Acreage 10.11
 Feeder School Frost MS, Lake Braddock MS
 Woodson HS,
 Lake Braddock HS

LONDON TOWNE ES

Region 5
 Year Opened 1969
 Capacity Enhancements 2003
 Renovations 2000
 Square Footage 92,870
 Acreage 12.71
 Feeder School Stone MS
 Westfield HS

LONGFELLOW MS

Region 2
 Year Opened 1960
 Capacity Enhancements 2012
 Renovations 2012
 Square Footage 175,793
 Acreage 17.57
 Feeder School McLean HS

LORTON STATION ES

Region 3
 Year Opened 2003
 Capacity Enhancements ---
 Renovations ---
 Square Footage 98,900
 Acreage 12.81
 Feeder School Hayfield MS
 Hayfield HS

LOUISE ARCHER ES

Region 1
 Year Opened 1939
 Capacity Enhancements 2006
 Renovations 1991
 Square Footage 53,684
 Acreage 7.64
 Feeder School Thoreau MS
 Madison HS

LUTHER JACKSON MS

Region 2
 Year Opened 1954
 Capacity Enhancements 2006
 Renovations 1991
 Square Footage 154,818
 Acreage 20.40
 Feeder School Falls Church HS, Oakton HS

LYNBROOK ES

Region 3
 Year Opened 1956
 Capacity Enhancements 2013
 Renovations 1993
 Square Footage 88,925
 Acreage 10.64
 Feeder School Key MS
 Lee HS

MADISON HS

Region 1
 Year Opened 1959
 Capacity Enhancements 1979
 Renovations 2005
 Square Footage 314,342
 Acreage 31.16

MANTUA ES

Region 5
 Year Opened 1961
 Capacity Enhancements 2006
 Renovations 1997
 Square Footage 87,681
 Acreage 11.57
 Feeder School Frost MS
 Woodson HS

MARSHALL HS

Region 2
 Year Opened 1962
 Capacity Enhancements 2014
 Renovations 2014
 Square Footage 369,041
 Acreage 46.50

MARSHALL ROAD ES

Region 1
 Year Opened 1961
 Capacity Enhancements 2014
 Renovations 1999
 Square Footage 94,435
 Acreage 11.00
 Feeder School Thoreau MS, Jackson MS
 Madison HS, Oakton HS

Alphabetical List of Schools (continued)

MASON CREST ES

Region	2
Year Opened	2012
Capacity Enhancements	---
Renovations	---
Square Footage	98,590
Acreage	10.91
Feeder School	Poe MS, Glasgow MS Falls Church HS, Stuart HS

MCLEAN HS

Region	2
Year Opened	1955
Capacity Enhancements	1980
Renovations	2005
Square Footage	282,767
Acreage	31.28

MCNAIR ES

Region	5
Year Opened	2001
Capacity Enhancements	2004
Renovations	---
Square Footage	98,900
Acreage	15.23
Feeder School	Carson MS Westfield HS

MOSBY WOODS ES

Region	1
Year Opened	1963
Capacity Enhancements	2005
Renovations	1991
Square Footage	90,379
Acreage	11.52
Feeder School	Jackson MS Oakton HS

MOUNT EAGLE ES

Region	3
Year Opened	1949
Capacity Enhancements	2003
Renovations	2010
Square Footage	58,799
Acreage	6.00
Feeder School	Twain MS Edison HS

MOUNT VERNON HS

Region	3
Year Opened	1960
Capacity Enhancements	1998
Renovations	1999
Square Footage	458,517
Acreage	41.02

MOUNT VERNON WOODS ES

Region	3
Year Opened	1965
Capacity Enhancements	2008
Renovations	1989
Square Footage	65,940
Acreage	10.00
Feeder School	Whitman MS Mount Vernon HS

NAVY ES

Region	1
Year Opened	1955
Capacity Enhancements	2004
Renovations	2006
Square Footage	91,013
Acreage	10.10
Feeder School	Franklin MS Oakton HS, Chantilly HS

NEWINGTON FOREST ES

Region	4
Year Opened	1983
Capacity Enhancements	---
Renovations	---
Square Footage	77,850
Acreage	13.00
Feeder School	South County MS South County HS

NORTH SPRINGFIELD ES

Region	2
Year Opened	1956
Capacity Enhancements	1968
Renovations	1991
Square Footage	83,256
Acreage	12.24
Feeder School	Holmes MS Annandale HS

OAK HILL ES

Region	5
Year Opened	1983
Capacity Enhancements	2003
Renovations	---
Square Footage	77,850
Acreage	12.09
Feeder School	Franklin MS, Carson MS Chantilly HS, Westfield HS

OAK VIEW ES

Region	4
Year Opened	1968
Capacity Enhancements	1990
Renovations	2000
Square Footage	88,815
Acreage	10.05
Feeder School	Frost MS, Robinson MS Woodson HS, Robinson HS

Alphabetical List of Schools (continued)

OAKTON ES

Region	1
Year Opened	1945
Capacity Enhancements	1987
Renovations	2012
Square Footage	93,846
Acreage	9.29
Feeder School	Jackson MS, Thoreau MS Oakton HS, Madison HS

OAKTON HS

Region	1
Year Opened	1967
Capacity Enhancements	1992
Renovations	1992
Square Footage	304,777
Acreage	58.84

OLDE CREEK ES

Region	5
Year Opened	1966
Capacity Enhancements	1987
Renovations	1997
Square Footage	69,330
Acreage	10.82
Feeder School	Frost MS, Robinson MS Woodson HS, Robinson HS

ORANGE HUNT ES

Region	4
Year Opened	1974
Capacity Enhancements	1976
Renovations	2002
Square Footage	92,049
Acreage	14.04
Feeder School	Irving MS West Springfield HS

PARKLAWN ES

Region	2
Year Opened	1958
Capacity Enhancements	2003
Renovations	1998
Square Footage	80,580
Acreage	10.70
Feeder School	Glasgow MS, Holmes MS Stuart HS, Annandale HS

PINE SPRING ES

Region	2
Year Opened	1955
Capacity Enhancements	1988
Renovations	2001
Square Footage	65,941
Acreage	11.19
Feeder School	Jackson MS Falls Church HS

POE MS

Region	2
Year Opened	1960
Capacity Enhancements	1965
Renovations	1997
Square Footage	176,089
Acreage	25.52
Feeder School	Annandale HS, Falls Church HS

POPLAR TREE ES

Region	5
Year Opened	1990
Capacity Enhancements	---
Renovations	---
Square Footage	94,664
Acreage	11.20
Feeder School	Rocky Run MS Chantilly HS

PROVIDENCE ES

Region	5
Year Opened	1956
Capacity Enhancements	1998
Renovations	2001
Square Footage	103,376
Acreage	19.50
Feeder School	Lanier MS Fairfax HS

RAVENSWORTH ES

Region	4
Year Opened	1963
Capacity Enhancements	1990
Renovations	2016
Square Footage	80,390
Acreage	10.13
Feeder School	Lake Braddock MS Lake Braddock HS

RIVERSIDE ES

Region	3
Year Opened	1968
Capacity Enhancements	2009
Renovations	2005
Square Footage	81,025
Acreage	11.02
Feeder School	Whitman MS, Sandburg MS Mount Vernon HS, West Potomac HS

ROBINSON HS

Region	4
Year Opened	1971
Capacity Enhancements	2005
Renovations	1996
Square Footage	367,918
Acreage	78.40

Alphabetical List of Schools (continued)

ROBINSON MS

Region	4
Year Opened	1971
Capacity Enhancements	2005
Renovations	1996
Square Footage	165,000
Acreage	78.40
Feeder School	Robinson HS

ROCKY RUN MS

Region	5
Year Opened	1980
Capacity Enhancements	---
Renovations	---
Square Footage	130,400
Acreage	25.20
Feeder School	Chantilly HS

ROLLING VALLEY ES

Region	4
Year Opened	1967
Capacity Enhancements	1990
Renovations	1998
Square Footage	77,801
Acreage	10.09
Feeder School	Irving MS, Key MS West Springfield HS, Lee HS

ROSE HILL ES

Region	3
Year Opened	1957
Capacity Enhancements	2008
Renovations	1994
Square Footage	88,382
Acreage	11.19
Feeder School	Hayfield MS, Twain MS Hayfield HS, Edison HS

SANDBURG MS

Region	3
Year Opened	1963
Capacity Enhancements	1980
Renovations	2015
Square Footage	269,678
Acreage	35.24
Feeder School	West Potomac HS

SANGSTER ES

Region	4
Year Opened	1988
Capacity Enhancements	1996
Renovations	---
Square Footage	88,552
Acreage	13.90
Feeder School	Lake Braddock MS, Irving MS Lake Braddock HS, West Springfield HS

SARATOGA ES

Region	3
Year Opened	1989
Capacity Enhancements	---
Renovations	---
Square Footage	103,570
Acreage	13.99
Feeder School	Key MS Lee HS

SHREVEWOOD ES

Region	2
Year Opened	1966
Capacity Enhancements	1998
Renovations	1998
Square Footage	71,610
Acreage	13.42
Feeder School	Kilmer MS Marshall HS

SILVERBROOK ES

Region	4
Year Opened	1988
Capacity Enhancements	2001
Renovations	---
Square Footage	82,675
Acreage	13.93
Feeder School	South County MS South County HS

SLEEPY HOLLOW ES

Region	2
Year Opened	1954
Capacity Enhancements	1996
Renovations	2009
Square Footage	73,934
Acreage	10.00
Feeder School	Glasgow MS Stuart HS

SOUTH COUNTY HS

Region	4
Year Opened	2005
Capacity Enhancements	2007
Renovations	---
Square Footage	378,000
Acreage	69.39

SOUTH COUNTY MS

Region	4
Year Opened	2012
Capacity Enhancements	---
Renovations	---
Square Footage	176,900
Acreage	37.00
Feeder School	South County HS

Alphabetical List of Schools (continued)

SOUTH LAKES HS

Region 1
 Year Opened 1978
 Capacity Enhancements ---
 Renovations 2008
 Square Footage 333,750
 Acreage 60.00

SPRING HILL ES

Region 1
 Year Opened 1965
 Capacity Enhancements 2013
 Renovations 1996
 Square Footage 116,682
 Acreage 13.00
 Feeder School Cooper MS, Longfellow MS
 Langley HS, McLean HS

SPRINGFIELD ESTATES ES

Region 3
 Year Opened 1958
 Capacity Enhancements 2013
 Renovations 2016
 Square Footage 89,152
 Acreage 10.60
 Feeder School Key MS
 Lee HS

STENWOOD ES

Region 2
 Year Opened 1963
 Capacity Enhancements 1990
 Renovations 2012
 Square Footage 71,213
 Acreage 10.00
 Feeder School Kilmer MS, Thoreau MS
 Marshall HS

STONE MS

Region 5
 Year Opened 1991
 Capacity Enhancements ---
 Renovations ---
 Square Footage 157,263
 Acreage 24.83
 Feeder School Westfield HS

STRATFORD LANDING ES

Region 3
 Year Opened 1963
 Capacity Enhancements 2005
 Renovations 1989
 Square Footage 60,035
 Acreage 10.00
 Feeder School Sandburg MS
 West Potomac HS

STUART HS

Region 2
 Year Opened 1959
 Capacity Enhancements 1979
 Renovations 2005
 Square Footage 300,491
 Acreage 20.94

SUNRISE VALLEY ES

Region 1
 Year Opened 1979
 Capacity Enhancements 1980
 Renovations 2016
 Square Footage 85,702
 Acreage 14.98
 Feeder School Hughes MS
 South Lakes HS

TERRA CENTRE ES

Region 4
 Year Opened 1980
 Capacity Enhancements ---
 Renovations 2015
 Square Footage 88,395
 Acreage 11.62
 Feeder School Robinson MS
 Robinson HS

TERRASET ES

Region 1
 Year Opened 1977
 Capacity Enhancements ---
 Renovations 2016
 Square Footage 103,932
 Acreage 14.43
 Feeder School Hughes MS
 South Lakes HS

THOREAU MS

Region 1
 Year Opened 1960
 Capacity Enhancements 1986
 Renovations 2016
 Square Footage 179,007
 Acreage 20.00
 Feeder School Madison HS, Marshall HS

TIMBER LANE ES

Region 2
 Year Opened 1955
 Capacity Enhancements 1988
 Renovations 1996
 Square Footage 80,591
 Acreage 10.14
 Feeder School Longfellow MS, Jackson MS
 McLean HS, Falls Church HS

Alphabetical List of Schools (continued)

TWAIN MS

Region 3
 Year Opened 1961
 Capacity Enhancements 2002
 Renovations 1998
 Square Footage 156,225
 Acreage 23.52
 Feeder School Edison HS

UNION MILL ES

Region 4
 Year Opened 1986
 Capacity Enhancements 2013
 Renovations ---
 Square Footage 93,414
 Acreage 13.00
 Feeder School Liberty MS, Robinson MS
 Centreville HS, Robinson HS

VIENNA ES

Region 1
 Year Opened 1921
 Capacity Enhancements 1987
 Renovations 2010
 Square Footage 67,055
 Acreage 15.19
 Feeder School Thoreau MS, Kilmer MS
 Madison HS, Marshall HS

VIRGINIA RUN ES

Region 5
 Year Opened 1989
 Capacity Enhancements ---
 Renovations ---
 Square Footage 90,800
 Acreage 20.85
 Feeder School Stone MS
 Westfield HS

WAKEFIELD FOREST ES

Region 5
 Year Opened 1955
 Capacity Enhancements 1994
 Renovations 1994
 Square Footage 65,062
 Acreage 13.59
 Feeder School Frost MS
 Woodson HS

WAPLES MILL ES

Region 1
 Year Opened 1991
 Capacity Enhancements ---
 Renovations ---
 Square Footage 92,470
 Acreage 14.10
 Feeder School Franklin MS
 Oakton HS

WASHINGTON MILL ES

Region 3
 Year Opened 1963
 Capacity Enhancements 2004
 Renovations 1989
 Square Footage 61,581
 Acreage 11.53
 Feeder School Whitman MS
 Mount Vernon HS

WAYNEWOOD ES

Region 3
 Year Opened 1959
 Capacity Enhancements 2008
 Renovations 1991
 Square Footage 59,719
 Acreage 10.16
 Feeder School Sandburg MS
 West Potomac HS

WEST POTOMAC HS

Region 3
 Year Opened 1960
 Capacity Enhancements ---
 Renovations 2001
 Square Footage 389,012
 Acreage 44.78

WEST SPRINGFIELD ES

Region 4
 Year Opened 1964
 Capacity Enhancements 2012
 Renovations 1993
 Square Footage 55,885
 Acreage 10.03
 Feeder School Irving MS
 West Springfield HS

WEST SPRINGFIELD HS

Region 4
 Year Opened 1966
 Capacity Enhancements 1990
 Renovations 1990
 Square Footage 302,795
 Acreage 38.62

WESTBRIAR ES

Region 2
 Year Opened 1965
 Capacity Enhancements 1985
 Renovations 2016
 Square Footage 88,527
 Acreage 10.03
 Feeder School Kilmer MS
 Marshall HS, Madison HS

Alphabetical List of Schools (continued)

WESTFIELD HS

Region 5
 Year Opened 2000
 Capacity Enhancements 2006
 Renovations ---
 Square Footage 422,298
 Acreage 76.30

WESTGATE ES

Region 2
 Year Opened 1968
 Capacity Enhancements 1986
 Renovations 2016
 Square Footage 91,997
 Acreage 10.33
 Feeder School Kilmer MS, Longfellow MS
 Marshall HS, McLean HS

WESTLAWN ES

Region 2
 Year Opened 1951
 Capacity Enhancements 2011
 Renovations 2012
 Square Footage 95,743
 Acreage 8.71
 Feeder School Jackson MS
 Falls Church HS

WEYANOKE ES

Region 2
 Year Opened 1949
 Capacity Enhancements 2000
 Renovations 1993
 Square Footage 80,633
 Acreage 10.00
 Feeder School Holmes MS
 Annandale HS

WHITE OAKS ES

Region 4
 Year Opened 1980
 Capacity Enhancements 2008
 Renovations ---
 Square Footage 75,784
 Acreage 15.73
 Feeder School Lake Braddock MS
 Lake Braddock HS

WHITMAN MS

Region 3
 Year Opened 1965
 Capacity Enhancements 2013
 Renovations 1997
 Square Footage 166,750
 Acreage 19.99
 Feeder School Mount Vernon HS

WILLOW SPRINGS ES

Region 5
 Year Opened 1990
 Capacity Enhancements ---
 Renovations ---
 Square Footage 90,014
 Acreage 20.68
 Feeder School Lanier MS
 Fairfax HS

WOLFTRAP ES

Region 1
 Year Opened 1968
 Capacity Enhancements 1988
 Renovations 2005
 Square Footage 70,670
 Acreage 10.26
 Feeder School Kilmer MS
 Madison HS, Marshall HS

WOODBURN ES

Region 2
 Year Opened 1952
 Capacity Enhancements 1988
 Renovations 2009
 Square Footage 64,208
 Acreage 10.00
 Feeder School Jackson MS
 Falls Church HS

WOODLAWN ES

Region 3
 Year Opened 1937
 Capacity Enhancements 2001
 Renovations 2016
 Square Footage 97,567
 Acreage 10.95
 Feeder School Whitman MS
 Mount Vernon HS

WOODLEY HILLS ES

Region 3
 Year Opened 1951
 Capacity Enhancements 2013
 Renovations 1994
 Square Footage 72,851
 Acreage 10.15
 Feeder School Whitman MS
 Mount Vernon HS

WOODSON HS

Region 5
 Year Opened 1962
 Capacity Enhancements 2000
 Renovations 2009
 Square Footage 379,256
 Acreage 56.00

Glossary of Terms

Boundary Adjustments

ATTENDANCE ISLAND

An area of housing which was assigned to a particular school's boundary, but does not share any adjacencies with the rest of the school's boundary.

GRANDFATHERING

This results when School Board policy allows for students in the rising 6th (5th if applicable), 8th, and 12th grades to be exempt from a boundary change so they can finish their last year at their currently assigned elementary, middle, or high school. Transportation is provided for these students. The Board has the authority to extend grandfathering beyond the provisions in the policy.

SCHOOL BOARD POLICY 8130

Provides guidance in the evaluation of proposed boundary adjustments.

The following examples of these factors are not presented in priority order. Any or all of these factors may be relevant in a particular consolidation, redistricting, or assignment plan:

- *proximity of schools to student residences*
- *projected school membership and capacity*
- *walking distances*
- *busing times and costs*
- *walking and busing safety*
- *natural and man-made geographic features*
- *the impact on neighborhoods*
- *school feeder alignments*
- *contiguous school boundaries*
- *long-range capital plans*
- *socioeconomic characteristics of school populations*
- *distribution of programs and resources*
- *overall impact on families and students; and comparative long-term costs*

Adjustments shall be made without respect to magisterial districts or postal addresses and, whenever possible, shall not affect the same occupied dwellings any more often than once in three years. The consideration of these factors and such adjustments shall involve affected communities to the extent reasonable.

Budget

BOND

A written promise to pay a specified sum of money (called the principal) at a specified date in the future, together with periodic interest as a specified rate. Bonds are a form of long-term borrowing used for capital improvements and new construction.

CAPITAL BUDGET

This budget provides for school construction projects which include new construction, renovations, capacity enhancements, site acquisitions, and additions. The primary source of funding for capital budget is the sale of bonds authorized by the voters in the bond referendum.

CAPITAL IMPROVEMENT PROGRAM (CIP)

The CIP is a planning document used as a basis to determine the timing and size of proposed bond referenda to be placed before the voters of Fairfax County. The primary source of funding for school construction projects is the sale of bonds authorized by the voters in these referenda.

FISCAL YEAR (FY)

A 12-month period used for accounting purposes and preparing financial statements in an organization. FCPS' financial year encompasses the 12 months beginning July 1 and ending the following June 30.

OPERATING BUDGET

This budget provides for the day-to-day operations and maintenance of the schools and is funded primarily by county and state funds. At times, operating funds are used to relieve overcrowding at school facilities through interior modifications and trailers to accommodate students.

Capacity

CAPACITY

The number of students a building can support when restrictions of the program of studies are applied.

CAPACITY ENHANCEMENTS

Permanent construction that adds square footage to a school and is subject to all Fairfax County zoning and building codes and permitting processes.

CAPACITY UTILIZATION

Percentage of capacity that is being utilized by a building based on the building's program capacity.

DESIGN CAPACITY

Capacity based on the number of students a building can support per the original design of the building.

FACILITIES AND ENROLLMENT DASHBOARD

A resource that calculates capacity of each school based on the programs that currently are offered at the school and its comparison to the core capacity of the school. It includes information about projected enrollments of the school, number of temporary classrooms, and other facilities information. This resource is available on the FCPS website at <https://www.fcps.edu/enrollmentdashboard>.

OVERCROWDED

A school is considered overcrowded when the membership of the school is higher than its capacity.

PROGRAM CAPACITY

Capacity based on the number of existing core classrooms and the specific unique programs assigned to a school which require specific facility space utilization that goes beyond the original design of the building.

Facilities

BUILDING LIFE CYCLE

Life span of a building in which all components of the construction operate efficiently and meet the requirements of the occupants. Construction components include mechanical, plumbing, and electrical; heating, ventilating, and air conditioning (HVAC); and architectural installations.

BUILDING UTILIZATION

The percentage of the total school program capacity that is being utilized in relation to the student membership. For example, a school with 80 percent building utilization has some capacity surplus; a school with 125 percent building utilization has a capacity deficit.

EDUCATIONAL SPECIFICATIONS

Explicit requirements mandated by the Virginia Department of Education and the Fairfax County School Board, which are necessary to create a common set of expectations including square footage and design features of spaces across school buildings.

MODULAR ADDITIONS

Prefabricated buildings that are constructed off site in a factory and transported to school grounds to provide additional classroom space to accommodate students. They are portable, can be relocated, and typically are ready for use 30-60 percent faster than on-site built construction. Modulares sit on a permanent foundation. They have plumbing, interior corridors, and bathroom facilities. Modular additions are included in the calculation of school design and program capacity.

TRAILERS (PORTABLE CLASSROOMS)

Temporary buildings that are installed on the grounds of schools to provide additional classroom space. Trailers sit on permanent foundations but do not have plumbing utilities and are not included in the calculation of school capacity.

Membership and Projections

BIRTH TO K RATIO

A ratio that is derived by dividing the number of live births in an elementary school boundary by the number of kindergarten students who enroll in that elementary school five years later.

DEVELOPMENT CENTER

A geographic area which is anticipated to have new housing in the future. The impact of this potential new housing is considered during the student membership projections process.

ENROLLMENT

Membership and withdrawn students who had been enrolled in FCPS at some point during the school year. Enrollment numbers do not include students who have not completed the registration process. For CIP reporting purposes, membership numbers are used. See definition of membership.

MEMBERSHIP

A snapshot in time of the number of active students in FCPS. Membership does not include students who withdrew before the snapshot. Students who are concurrently enrolled at a second school for the purpose of accessing a special program are counted at their school of membership, not at their concurrent school. For CIP reporting purposes, September 30th certified membership numbers are used.

MIGRATION

A term used to refer to students entering (in-migration) and leaving (out-migration) the school system.

NET MIGRATION

A term used to compare one school year to the previous year and identifies the difference of new students (excluding kindergarten students) to the number of students who did not return.

STUDENT YIELD RATIO

A ratio that is derived by dividing number of students by number of housing units (by type) in an existing residential development. When used for the student enrollment projections process, this ratio helps in determining the number of students expected to come from new housing. For example a housing development with 20 townhomes and five elementary school students will have a student yield ratio of 0.25 elementary school students per townhome.

TRANSFER STUDENTS

Students who reside in one school’s boundary and are assigned to that school (base school) but actually attend a school in a different boundary (attending school). This may occur for program access or for very specific reasons permitted by the student transfer regulation (Regulation 2230).

Organization

COHORT

A group of students who work through a similar curriculum at specific schools by grade level.

FEEDER SCHOOLS

A group of schools that provide a significant number of graduates who intend to continue their studies at specific schools. In primary and secondary education, graduates of several primary schools generally attend the same middle school and graduates of several middle schools generally attend the same high school.

PYRAMIDS

A group of schools that are located geographically close to each other and generally have contiguous boundaries. Typically, a pyramid includes a group of elementary schools, a middle school, and a high school. Typically all elementary schools in the pyramid advance to the middle school and then to the high school in the pyramid.

REGIONS

Multiple pyramids that consist of high schools and their feeder schools. Regions also include alternative schools and centers. Regions provide necessary support for schools and the community within a geographic area.

SPLIT FEEDER

Typically, an elementary school feeds students to a middle school, which in turn feeds students to a high school. A split feeder results when an elementary or middle school feeds to more than one middle and/or high school.

Programs

ADVANCED ACADEMIC PROGRAM (AAP) CENTER

A school that has been identified to educate students who qualify for Level 4 Advanced Academic Services in FCPS on a full-time basis in order to receive a challenging instructional program in the four core subject areas. Students in this program are grouped together for their core instruction by grade level. This was previously known as a “Gifted and Talented Center.”

ADVANCED ACADEMIC PROGRAM LOCAL LEVEL 4 PROGRAM (NON-CENTER BASED)

A program that provides students another avenue to access advanced academic services in their base school. Center-eligible students, who choose to remain in their local school, receive the same advance academic curriculum as students who attend centers. Depending on the number of eligible students at the local school, a student will attend classes with other eligible students and/or other high achieving students. This was previously known as the “Gifted and Talented Program.”

ALTERNATIVE PROGRAMS

A variety of intervention and support programs for students at risk for expulsion for inappropriate behavior, students conditionally expelled, and students whose adjustment to traditional education interferes with successful participation in general education. Student membership projections and historical membership reports include students enrolled in nontraditional programs in such numbers. Nontraditional programs refer to a variety of intervention and support programs for students at risk for expulsion for inappropriate behavior, students conditionally expelled, and students whose adjustment to traditional education interferes with successful participation in general education.

EARLY CHILDHOOD CLASS BASED (ECCB)

Classes that are available for preschool-aged students with special education needs who are found eligible for services and have an Individualized Education Program (IEP). Such classrooms are located in school facilities.

EARLY HEAD START (EHS)

A federally funded comprehensive program for low-income families with infants and toddlers and pregnant women. See also FECEP/HS.

ENGLISH SPEAKERS OF OTHER LANGUAGES (ESOL)

A program to help students with limited English proficiency learn literacy and content concepts in order to function successfully in the general education program.

ESOL TRANSITIONAL HIGH SCHOOLS

Transitional ESOL High School (TEHS) offers older English learners, WIDA English Language Proficiency (ELP) levels 1 & 2, a pathway to graduation. TEHS offers English language development and sheltered content instruction to English learners over age 18 so that students may gain English language proficiency and content understandings in tandem. While TEHS does not offer a high school diploma, students at TEHS earn credits towards graduation and may transition, when reaching ELP level 3, to Fairfax County Adult High School to earn their high school diploma.

FAMILY AND EARLY CHILDHOOD EDUCATION PROGRAM/HEAD START (FECEP/HS)

FECEP is a local, state, and federal funded program administered by the county Office for Children but staffed by FCPS employees. This program includes Head Start and the Virginia Preschool Initiative. Head Start is a federal grant that provides a comprehensive child development program to children ages three to five years old from income-eligible families living in Fairfax County. The student membership projections and historical membership reports include figures that combine these programs. See also Early Head Start (EHS).

FOREIGN LANGUAGE IMMERSION PROGRAM

Selected elementary and middle schools offer partial immersion programs in French, Spanish, Japanese, and German. Students acquire the foreign language while mastering the content curriculum.

FREE AND REDUCED-PRICE MEALS (FRM)

This program is required for participation in the federally-funded school lunch program under the National School Lunch and Child Nutrition Acts. This program provides free or reduced-price meals to children determined to be eligible under the program and supports the belief of the Fairfax County School Board that every school-age child should have an adequate lunch.

GENERAL EDUCATION PROGRAM

The major educational programs that serve students in the core instructional areas, namely elementary, middle, and high school instruction.

LEVEL 1 SERVICES: SPECIAL EDUCATION

Level 1 services refer to the provision of special education and related services to children with disabilities for less than 50 percent of their instructional school day (excluding intermission for meals). The time that a child receives special education services is calculated on the basis of special education services described in the Individualized Education Program (IEP), rather than the location of services. The student membership projections and historical membership reports include these students in the grade level projections.

LEVEL 2 SERVICES: SPECIAL EDUCATION

Level 2 services refer to the provision of special education and related services to children with disabilities for 50 percent or more of the instructional school day (excluding intermission for meals). The time that a child receives special education services is calculated on the basis of special education services described in the Individualized Education Program (IEP), rather than the location of services. The student membership projections and historical membership reports include these students in the column titled "Special Education."

PRESCHOOL AUTISM CLASSES (PAC)

Classes that are available for preschool-aged students with autism who are found eligible for special education services and have an Individualized Education Program (IEP).

SCHOOL AGE CHILD CARE (SACC)

Sponsored by Fairfax County government's Office for Children, SACC provides school-based day care facilities for elementary school children before and after school.

SPECIAL EDUCATION PROGRAMS

Services for eligible students in preschool through grade 12 countywide. Specific programs include autism, deaf/hard-of-hearing, emotional disabilities, learning disabilities, moderately retarded and severe disabilities, physical and occupational therapy, physical disabilities, speech and language, and visual impairment.

TITLE I

Provides flexible funding that may be used to provide additional instructional staff, professional development, extended-time programs, and other strategies for raising student achievement in high-poverty schools.



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