Increasing Access to Accelerated Math in Elementary School

**165,267 Students**

- **208 Schools**
  - 135 Elementary Schools
  - 40 Middle Schools
  - 25 High Schools
  - 5 Special Schools
  - 3 Alternative Sites
  - 2 Early Childhood Learning Centers

**MCPS Student Demographics 2019-2020**

- Hispanic/Latino: 31.3%
- Black or African American: 21.6%
- Asian: 14.3%
- White: 27.7%
- Multiple Races: ≤5%
- American Indian or Alaskan Native: ≤5%
- Native Hawaiian or other Pacific Islander: ≤5%

**2019 MCPS Graduation Rate:**

- Overall: 88.7%

The MCPS overall graduation rate is ABOVE the state and national average.

**Services 2019-2020**

- Special Education Services: 11.8%
- English for Speakers of Other Languages (ESOL): 17.1%
- Free and Reduced-Price Meals (FARMS): 37.3%

**Accelerated Mathematics in Grades 4 and 5**

Early access to high levels of mathematics in elementary school can exponentially expand college and career options in the future. However, data show students of color and students impacted by poverty have been historically left out of these programs. Using data as a flashlight, MCPS is welcoming more historically underserved students into accelerated elementary math courses and supporting them as they unleash their potential.

**Largest District in Maryland**

- Maryland's Largest School District

**14th Largest School System in the United States**

- 14th Largest School System

**The MCPS overall graduation rate is ABOVE the state and national average.**
MCPS is focused on addressing disparities in access and achievement. Below are graphs that demonstrate the progress that has been made and the areas where more work must be done.

**Trend in Grade 4 Students Enrolled in Accelerated Math**

- **Non-FARMS Asian/White/All Other Student Groups**: 1595 (2015) vs. 3165 (2020)
- **Non-FARMS Black or African American**: 92 (2015) vs. 466 (2020)
- **Non-FARMS Hispanic/Latino**: 79 (2015) vs. 408 (2020)
- **FARMS Asian/White/All Other Student Groups**: 53 (2015) vs. 168 (2020)
- **FARMS Black or African American**: 51 (2015) vs. 328 (2020)
- **FARMS Hispanic/Latino**: 61 (2015) vs. 415 (2020)

**Trend in Grade 5 Students Enrolled in Accelerated Math**

- **Non-FARMS Asian/White/All Other Student Groups**: 1462 (2015) vs. 3300 (2020)
- **Non-FARMS Black or African American**: 91 (2015) vs. 489 (2020)
- **Non-FARMS Hispanic/Latino**: 69 (2015) vs. 453 (2020)
- **FARMS Asian/White/All Other Student Groups**: 55 (2015) vs. 167 (2020)
- **FARMS Black or African American**: 39 (2015) vs. 319 (2020)
- **FARMS Hispanic/Latino**: 36 (2015) vs. 451 (2020)

Updated February 2020
Expanding Access to Rigorous Math Courses

165,267 STUDENTS* 2019-2020
135 Elementary SCHOOLS
40 Middle SCHOOLS
25 High SCHOOLS

2019 MCPS Graduation Rate: Overall 88.7%

Access to Algebra 1

Algebra is foundational to mathematical thinking. We know that the earlier students have access to, and become proficient in, algebraic thinking, the more pathways it opens to higher levels of math in high school and more career opportunities in science, technology, engineering and mathematics. MCPS is committed to ensuring students from all backgrounds who are prepared for this rigorous coursework have the access to Algebra I by grade 8.

Largest District in Maryland

14th Largest School System in the United States

Our School System

MCPS Student Demographics 2019-2020

White 27.7%  Hispanic/Latino 31.3%  Black or African American 21.6%  Asian 14.3%  Multiple Races ≤5%

The MCPS overall graduation rate is ABOVE the state and national average.

Services 2019-2020

11.8% receive Special Education Services
17.1% participate in English for Speakers of Other Languages (ESOL)
37.3% participate in Free and Reduced-Price Meals (FARMS)
By focusing on both equity and excellence in our classrooms, MCPS has made significant strides toward narrowing gaps in access and achievement in Algebra I. Below is data highlighting the progress and areas where more work must be done.

**Enrollment in Algebra I by 8th Grade Comparison by Student Groups**

<table>
<thead>
<tr>
<th>Monitoring Group</th>
<th>2016</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-FARMS Asian/White/All Others</td>
<td>80%</td>
<td>94%</td>
</tr>
<tr>
<td>Non-FARMS Black or African American</td>
<td>59%</td>
<td>60%</td>
</tr>
<tr>
<td>Non-FARMS Hispanic/Latino</td>
<td>58%</td>
<td>60%</td>
</tr>
<tr>
<td>FARMS White/Asian and Other</td>
<td>79%</td>
<td>81%</td>
</tr>
<tr>
<td>FARMS Black or African American</td>
<td>49%</td>
<td>58%</td>
</tr>
<tr>
<td>FARMS Hispanic/Latino</td>
<td>46%</td>
<td>59%</td>
</tr>
</tbody>
</table>

**Grade 8 Algebra 1 - N Scoring Proficiency Level 3, 4 or 5**

<table>
<thead>
<tr>
<th>Monitoring Group</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-FARMS Black or African American</td>
<td>345</td>
<td>536</td>
<td>648</td>
</tr>
<tr>
<td>Non-FARMS Hispanic/Latino</td>
<td>372</td>
<td>542</td>
<td>658</td>
</tr>
<tr>
<td>FARMS Black or African American</td>
<td>307</td>
<td>391</td>
<td>477</td>
</tr>
<tr>
<td>FARMS Hispanic/Latino</td>
<td>197</td>
<td>288</td>
<td>303</td>
</tr>
<tr>
<td>Other</td>
<td>197</td>
<td>288</td>
<td>303</td>
</tr>
</tbody>
</table>
Expanding Access to Rigorous Coursework for High School

165,267 STUDENTS*  
208 SCHOOLS

135 Elementary Schools  
40 Middle Schools  
25 High Schools

5 Special Schools  
3 Alternative Sites  
2 Early Childhood Learning Centers

Advanced Placement and International Baccalaureate Courses

To achieve at the highest levels, students must first have access to the highest levels of rigorous coursework. In the fall of 2016, MCPS launched a partnership with Equal Opportunity Schools to expand access and support to Advanced Placement and International Baccalaureate courses for students traditionally underrepresented in these rigorous classes — students of color and students impacted by poverty.

Largest District in Maryland

14th Largest School System in the United States

The MCPS overall graduation rate is ABOVE the state and national average.

The MCPS overall graduation rate is Above the state and national average.

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>2019 MCPS Graduation Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>95.8%</td>
</tr>
<tr>
<td>Hispanic/Latino</td>
<td>76.1%</td>
</tr>
<tr>
<td>Black/African American</td>
<td>89.7%</td>
</tr>
<tr>
<td>Asian</td>
<td>97.3%</td>
</tr>
<tr>
<td>Multiple Races</td>
<td>93.4%</td>
</tr>
</tbody>
</table>

Services 2019-2020

- 11.8% receive Special Education Services
- 17.1% participate in English for Speakers of Other Languages (ESOL)
- 37.3% participate in Free and Reduced-Price Meals (FARMS)
Percentage of Advanced Placement Exams with a Score of 3 or Higher Taken by Public School Students in MCPS, Maryland and the Nation in 2019

Trend in Number of Graduates: Taking at Least One AP/IB Exam

- All Students
- Asian
- Black or African American
- Hispanic/Latino
- White
- Two or More Races

Trend in Number of Graduates Meeting AP/IB College Ready Benchmark

- All Students
- Asian
- Black or African American
- Hispanic/Latino
- White
- Two or More Races

Updated February 2020
**Expanding Access to Early Learning**

**165,267 STUDENTS**
Fall 2019

**208 SCHOOLS**
- 135 Elementary Schools
- 40 Middle Schools
- 25 High Schools

- 5 Special Schools
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- 2 Early Childhood Learning Centers

**MCPS Student Demographics 2019-2020**

- White: 27.7%
- Hispanic/Latino: 31.3%
- Black or African American: 21.6%
- Asian: 14.3%
- American Indian or Alaskan Native: ≤5%
- Native Hawaiian or other Pacific Islander: ≤5%
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**2019 MCPS Graduation Rate: Overall 88.7%**

- White: 95.8%
- Hispanic/Latino: 76.1%
- Black or African American: 89.7%
- Asian: 97.3%
- Multiple Races: 93.4%

The MCPS overall graduation rate is ABOVE the state and national average.

**Services 2019-2020**

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**Prekindergarten**

Research shows that access to early learning can positively change a student’s trajectory. Unfortunately, many families impacted by poverty do not have the resources to independently provide these early learning experiences. To combat this disparity in access, MCPS—with unwavering support from our county government—has made significant investments to expand prekindergarten seats, which primarily support students impacted by poverty. Data show that this investment is paying dividends. Students with access to prekindergarten are outperforming their peers who did not have this opportunity. MCPS is committed to achieving universal prekindergarten.

**Largest District in Maryland**

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Prekindergarten Access and Impact

3,002
(Full-Day & Half-Day Seats)

Longterm Impact of Pre-K on Academic Outcomes for FARMS Black or African American Students.*

Longterm Impact of Pre-K on Academic Outcomes for FARMS Hispanic/Latino Students.*

*Data represents longitudinal performance across literacy tests for students in the 2014-2015 prekindergarten class.

Updated February 2020
Removing Barriers to the SAT

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135 Elementary Schools
40 Middle Schools
25 High Schools

5 Special Schools • 3 Alternative Sites • 2 Early Childhood Learning Centers

MCPS Student Demographics 2019-2020

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College and Career Readiness

The College and Career Readiness and College Completion Act was passed into law in 2013. The law requires the Maryland State Department of Education, in collaboration with Local Education Agencies (LEAs) and Institutions of Higher Education (IHEs), to determine whether students, no later than the end of 11th grade, are ready for college-level credit-bearing course work in English Language Arts, literacy and mathematics. The law specifically addresses the need for this collaborative group to determine the college placement examinations to be used to make this determination. Additionally, the law states that students who are not determined as college and career ready will enroll in "transition courses or other instructional opportunities" and be reassessed at the end of the 12th grade to determine their status.

MCPS 2019 Graduation Rate: Overall 88.7%

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- Black or African American: 89.7%
- Asian: 97.3%
- Multiple Races: 93.4%

The MCPS overall graduation rate is ABOVE the state and national average.

Services 2019-2020

- 11.8% receive Special Education Services
- 17.1% participate in English for Speakers of Other Languages (ESOL)
- 37.3% participate in Free and Reduced-Price Meals (FARMS)

Largest District in Maryland

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PSAT Participation
138 MCPS students named National Merit Semifinalists in 2018.

Free SAT for Students
In Fiscal Year 2018, as part of a comprehensive strategy to ensure access and opportunity for all students, MCPS began providing every student with the ability to take either the SAT, ACT or a career licensure exam for free.

The first class that reflects this new strategy is the class of 2019.

SAT Participation and Performance
Number and Percentage of MCPS Graduates in the Classes of 2018 and 2019 Who Took Redesigned SAT by Focus Group

<table>
<thead>
<tr>
<th>Focus Group</th>
<th>N Took SAT</th>
<th>% Took SAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-FARMS White/Asian/All Other Student Groups</td>
<td>3,819</td>
<td>74.1</td>
</tr>
<tr>
<td>Non-FARMS Black or African American</td>
<td>1,075</td>
<td>73.2</td>
</tr>
<tr>
<td>Non-FARMS Hispanic/Latino</td>
<td>775</td>
<td>52.5</td>
</tr>
<tr>
<td>FARMS White/Asian/All Other Student Groups</td>
<td>296</td>
<td>66.4</td>
</tr>
<tr>
<td>FARMS Black or African American</td>
<td>609</td>
<td>64.2</td>
</tr>
<tr>
<td>FARMS Hispanic/Latino</td>
<td>549</td>
<td>40.9</td>
</tr>
</tbody>
</table>

Average SAT Total Score

Updated February 2020