In **New York City**, White students are **2.3x** more likely to be enrolled in Earth Science in middle school than Black students and **3.4x** more likely to be enrolled than Latino students.

In **New York City**, White students are **2.1x** more likely to be enrolled in Physics than Black students or Latino students.

In **New York City**, White students are **2.6x** more likely to be enrolled in an Advanced Placement (AP) or International Baccalaureate (IB) Math or Science course than Black students and **2.9x** more likely to be enrolled than Latino students.

In **New York City**, White students are **2.7x** more likely to be enrolled in Computer Science than Black students or Latino students.

In **New York City**, White students are **2.1x** more likely to be enrolled in Calculus than Black students or Latino students.

In **New York City**, White students are **2.0x** more likely to be enrolled in advanced foreign language courses than Black students and **1.2x** more likely to be enrolled than Latino students.

In **New York City**, White students are **1.9x** more likely to be enrolled in any other AP/IB course than Black students and **1.8x** more likely to be enrolled than Latino students.

In **New York City**, White students are **1.7x** more likely to be enrolled in Algebra I in middle school than Black students and **1.7x** more likely to be enrolled than Latino students.

In **New York City**, White students are **1.4x** more likely to be enrolled in Calculus in middle school than Black students and **1.7x** more likely to be enrolled than Latino students.

In **New York City**, White students are **1.3x** more likely to be enrolled in music courses than Black students and **1.4x** more likely to be enrolled than Latino students.

In **New York City**, White students are **1.4x** more likely to be enrolled in Algebra I than Black students and **1.7x** more likely to be enrolled than Latino students.

In **New York City**, White students are **1.2x** more likely to be enrolled in any other AP/IB course than Black students and **1.4x** more likely to be enrolled than Latino students.

**Based on 2016-17 unpublished NYSED course enrollment data. In middle school, the rates above are based on course enrollment per every 100 students in grades 7-8. For high school courses, the rates below are based on course enrollment per every 100 students in grades 9-12. Schools with a combination of grades 7-8 and grades 9-12 are included in the high school analysis only. This analysis includes district-run schools and does not include charter schools.**
<table>
<thead>
<tr>
<th>Subject</th>
<th>Middle School (Grades 7-8)</th>
<th>High School (Grades 9-12)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NUMBER OF BLACK STUDENTS IN GRADES 7-8 ATTENDING A SCHOOL WITH NO...</td>
<td>NUMBER OF BLACK STUDENTS IN GRADES 9-12 ATTENDING A SCHOOL WITH NO...</td>
</tr>
<tr>
<td>Calculus – All NYCDOE schools</td>
<td>12,975 (48%)</td>
<td>22,035 (46%)</td>
</tr>
<tr>
<td>Earth Science – All NYCDOE schools</td>
<td>23,608 (88%)</td>
<td>39,985 (83%)</td>
</tr>
<tr>
<td>Algebra I – All NYCDOE schools</td>
<td>38,047 (49%)</td>
<td>46,740 (41%)</td>
</tr>
<tr>
<td>Physics – All NYCDOE schools</td>
<td>31,621 (41%)</td>
<td>38,826 (34%)</td>
</tr>
<tr>
<td>Computer Science – All NYCDOE schools</td>
<td>61,555 (80%)</td>
<td>88,994 (79%)</td>
</tr>
<tr>
<td>AP/IB math or science – All NYCDOE schools</td>
<td>26,743 (35%)</td>
<td>33,898 (30%)</td>
</tr>
<tr>
<td>AP/IB courses in any subject – All NYCDOE schools</td>
<td>10,521 (14%)</td>
<td>12,407 (11%)</td>
</tr>
<tr>
<td>Advanced foreign language – All NYCDOE schools</td>
<td>29,269 (38%)</td>
<td>36,713 (32%)</td>
</tr>
<tr>
<td>Music – All NYCDOE schools</td>
<td>30,851 (40%)</td>
<td>43,196 (38%)</td>
</tr>
</tbody>
</table>
SHARE OF SCHOOLS OFFERING KEY COURSES...

Statewide  All NYCDOE schools  Manhattan  Bronx  Brooklyn  Queens  Staten Island

Algebra (MS)  Earth Science (MS)  Calculus (HS)  Physics (HS)  Computer Science (HS)

0%  20%  40%  60%  80%  100%

SHARE OF SCHOOLS OFFERING AP/IB COURSES...

Statewide  All NYCDOE schools  Manhattan  Bronx  Brooklyn  Queens  Staten Island

AP/IB math or science (HS)  AP/IB in any subject (HS)  Advanced foreign language (HS)  Music (HS)

0%  20%  40%  60%  80%  100%

SHARE OF SCHOOLS OFFERING AP/IB COURSES...

Statewide  All NYCDOE schools  Manhattan  Bronx  Brooklyn  Queens  Staten Island

No AP/IB courses  One AP/IB course  Between two and five AP/IB courses  Six or more AP/IB courses

0%  20%  40%  60%  80%  100%
**ALGEBRA I IN MIDDLE SCHOOL**

In **Brooklyn**, White students are 2.3x more likely to be enrolled in Algebra I than Black students.

White students in **Queens** are 3.1x more likely to be enrolled in Algebra I than Black students in **Staten Island** or Latino students in the **Bronx**.

**HIGH SCHOOL CALCULUS**

In **Manhattan**, White students are 4.0x more likely to be enrolled in Calculus than Black students and 3.5x more likely to be enrolled than Latino students.

In the **Bronx**, White students are 5.1x more likely to be enrolled in Calculus than Black students and 6.5x more likely to be enrolled than Latino students.

In **Brooklyn**, White students are 2.1x more likely to be enrolled in Calculus than Black students and 2.6x more likely to be enrolled than Latino students.

In **Queens**, White students are 2.7x more likely to be enrolled in Calculus than Black students and 2.4x more likely to be enrolled than Latino students.

In **Staten Island**, White students are 6.1x more likely to be enrolled in Calculus than Black students and 3.4x more likely to be enrolled than Latino students.

In **Manhattan**, White students are 12.8x more likely to be enrolled in Calculus than Black students in **Staten Island**.

White students in the **Bronx** are 10.1x more likely to be enrolled in Calculus than Black students in **Staten Island**.

White students in **Manhattan** are 8.2x more likely to be enrolled in Calculus than Latino students in the **Bronx**.
Across all boroughs, White students are 2.0 to 2.9x more likely to be enrolled in Physics than Black students in the same borough.

Across all boroughs, White students are 2.1 to 2.5x more likely to be enrolled in Physics than Latino students in the same borough.

In Manhattan, White students are 2.3x more likely to be enrolled in Computer Science than Black students and 2.9x more likely to be enrolled than Latino students.

In Manhattan, White students are 3.2x more likely to be enrolled in Physics than Black students in Queens or Latino students in Staten Island.

In the Bronx, White students are 2.1x more likely to be enrolled in Computer Science than Black students and 4.3x more likely to be enrolled than Latino students.

In the Bronx, White students are 10.6x more likely to be enrolled in Computer Science than Black students in Staten Island.

In Brooklyn, White students are 3.4x more likely to be enrolled in Computer Science than Black students and 3.0x more likely to be enrolled than Latino students.

In Brooklyn, White students are 14.5x more likely to be enrolled in Computer Science than Black students in the Bronx.

In Staten Island, White students are 4.3x more likely to be enrolled in Computer Science than Black students and 3.7x more likely to be enrolled than Latino students.

In Staten Island, White students are 9.1x more likely to be enrolled in Computer Science than Latino students in Staten Island.
In Manhattan, White students are \textbf{2.7x} more likely to be enrolled in an AP/IB Math or Science course than Black or Latino students.

In the Bronx, White students are \textbf{5.8x} more likely to be enrolled in an AP/IB Math or Science course than Black students and \textbf{6.8x} more likely to be enrolled than Latino students.

In Brooklyn, White students are \textbf{2.3x} more likely to be enrolled in an AP/IB Math or Science course than Black students and \textbf{2.6x} more likely to be enrolled than Latino students.

In Queens, White students are \textbf{2.0x} more likely to be enrolled in an AP/IB Math or Science course than Black or Latino students.

In Staten Island, White students are \textbf{3.0x} more likely to be enrolled in an AP/IB Math or Science course than Black students and \textbf{3.2x} more likely to be enrolled than Latino students.

White students in the Bronx are \textbf{5.1x} more likely to be enrolled in an AP/IB Math or Science course than Black students in Queens.

White students in Manhattan are \textbf{5.1x} more likely to be enrolled in an AP/IB Math or Science course than Latino students in the Bronx.

White students in Brooklyn are \textbf{4.5x} more likely to be enrolled in an AP/IB Math or Science course than Latino students in the Bronx.

White students in Staten Island are \textbf{4.1x} more likely to be enrolled in an AP/IB Math or Science course than Latino students in the Bronx.

In Manhattan, White students are \textbf{2.5x} more likely to be enrolled in any other AP/IB course than Black students and \textbf{1.9x} more likely to be enrolled than Latino students.

In the Bronx, White students are \textbf{3.4x} more likely to be enrolled in any other AP/IB course than Black students and \textbf{3.0x} more likely to be enrolled than Latino students.