

# Within Our Reach

## NEW YORK CITY



### Middle School

Based on 2019-20 unpublished NYSED course enrollment data. In middle school, the rates below are based on course enrollment per every 100 7-8th grade students, and in high school, the rates below are based on course enrollment per every 100 9-12th grade students.

#### Earth Science



In **NYCDOE**, White students are **1.1x** more likely to be enrolled in Earth Science than Black students and **1.9x** more likely to be enrolled than Latinx

In **Brooklyn**, White students are **0.8x** more likely to be enrolled in Earth Science than Black students and **1.1x** more likely to be enrolled than Latinx students.

In **the Bronx**, White students are **0.4x** more likely to be enrolled in Earth Science than Black students and **1.0x** more likely to be enrolled than Latinx students.

In **Manhattan**, White students are **2.0x** more likely to be enrolled in Earth Science than Black students and **2.5x** more likely to be enrolled than Latinx students.

In **Queens**, White students are **1.0x** more likely to be enrolled in Earth Science than Black students and **2.0x** more likely to be enrolled than Latinx students.

In **Staten Island**, White students are **3.9x** more likely to be enrolled in Earth Science than Black students and **2.6x** more likely to be enrolled than Latinx students.

#### Algebra 1



In **NYCDOE**, White students are **1.1x** more likely to be enrolled in Algebra I than Black students and **1.4x** more likely to be enrolled than Latinx students.

In **Brooklyn**, White students are **0.9x** more likely to be enrolled in Algebra I than Black students and **1.1x** more likely to be enrolled than Latinx students.

In **the Bronx**, White students are **1.0x** more likely to be enrolled in Algebra I than Black students and **1.2x** more likely to be enrolled than Latinx students.

In **Manhattan**, White students are **1.1x** more likely to be enrolled in Algebra I than Black students and **1.3x** more likely to be enrolled than Latinx students.

In **Queens**, White students are **1.0x** more likely to be enrolled in Algebra I than Black students and **1.5x** more likely to be enrolled than Latinx students.

In **Staten Island**, White students are **0.9x** more likely to be enrolled in Algebra I than Black students and **1.4x** more likely to be enrolled than Latinx students.

# High School

## Calculus



In **NYCDOE**, White students are **2.4x** more likely to be enrolled in Calculus than Black students and **2.5x** more likely to be enrolled than Latinx students.

In **Brooklyn**, White students are **1.7x** more likely to be enrolled in Calculus than Black students and **2.2x** more likely to be enrolled than Latinx students.

In **the Bronx**, White students are **3.6x** more likely to be enrolled in Calculus than Black students and **4.3x** more likely to be enrolled than Latinx students.

In **Manhattan**, White students are **3.1x** more likely to be enrolled in Calculus than Black students and **2.7x** more likely to be enrolled than Latinx students.

In **Queens**, White students are **2.3x** more likely to be enrolled in Calculus than Black students and **2.4x** more likely to be enrolled than Latinx students.

In **Staten Island**, White students are **3.4x** more likely to be enrolled in Calculus than Black students and **3.8x** more likely to be enrolled than Latinx students.

## Physics



In **NYCDOE**, White students are **2.1x** more likely to be enrolled in Physics than Black students and **2.2x** more likely to be enrolled than Latinx students.

In **Brooklyn**, White students are **1.8x** more likely to be enrolled in Physics than Black students and **2.2x** more likely to be enrolled than Latinx students.

In **the Bronx**, White students are **2.3x** more likely to be enrolled in Physics than Black students and **2.7x** more likely to be enrolled than Latinx students.

In **Manhattan**, White students are **2.5x** more likely to be enrolled in Physics than Black students and **2.5x** more likely to be enrolled than Latinx students.

In **Queens**, White students are **2.0x** more likely to be enrolled in Physics than Black students and **2.1x** more likely to be enrolled than Latinx students.

In **Staten Island**, White students are **2.5x** more likely to be enrolled in Physics than Black students and **2.6x** more likely to be enrolled than Latinx students.

## Computer Science



In **NYCDOE**, White students are **1.3x** more likely to be enrolled in Computer Science than Black students and **1.9x** more likely to be enrolled than Latinx students.

In **Brooklyn**, White students are **1.4x** more likely to be enrolled in Computer Science than Black students and **2.0x** more likely to be enrolled than Latinx students.

In **the Bronx**, White students are **0.9x** more likely to be enrolled in Computer Science than Black students and **1.4x** more likely to be enrolled than Latinx students.

In **Manhattan**, White students are **1.6x** more likely to be enrolled in Computer Science than Black students and **1.3x** more likely to be enrolled than Latinx students.

In **Queens**, White students are **0.6x** more likely to be enrolled in Computer Science than Black students and **1.4x** more likely to be enrolled than Latinx students.

In **Staten Island**, White students are **6.5x** more likely to be enrolled in Computer Science than Black students and **2.8x** more likely to be enrolled than Latinx students.

### AP/IB Math or Science



In **NYCDOE**, White students are **1.7x** more likely to be enrolled in an AP or IB math or science course than Black students and **2.2x** more likely to be enrolled than Latinx students..

In **Brooklyn**, White students are **1.4x** more likely to be enrolled in an AP or IB math or science course than Black students and **1.9x** more likely to be enrolled than Latinx students.

In **the Bronx**, White students are **2.8x** more likely to be enrolled in an AP or IB math or science course than Black students and **3.4x** more likely to be enrolled than Latinx students.

In **Manhattan**, White students are **2.5x** more likely to be enrolled in an AP or IB math or science course than Black students and **2.3x** more likely to be enrolled than Latinx students.

In **Queens**, White students are **1.0x** more likely to be enrolled in an AP or IB math or science course than Black students and **1.7x** more likely to be enrolled than Latinx students.

In **Staten Island**, White students are **2.5x** more likely to be enrolled in an AP or IB math or science course than Black students and **2.7x** more likely to be enrolled than Latinx students.

### Any AP/IB Subject



In **NYCDOE**, White students are **1.5x** more likely to be enrolled in any AP or IB course than Black students and **1.7x** more likely to be enrolled than Latinx students.

In **Brooklyn**, White students are **1.3x** more likely to be enrolled in any AP or IB course than Black students and **1.6x** more likely to be enrolled than Latinx students.

In **the Bronx**, White students are **2.6x** more likely to be enrolled in any AP or IB course than Black students and Latinx students.

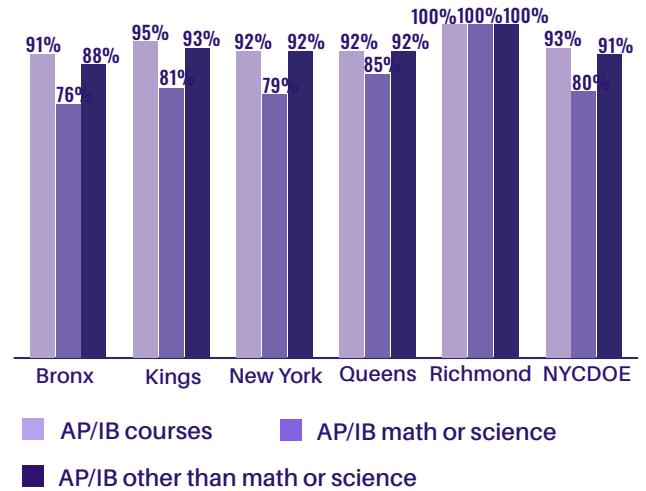
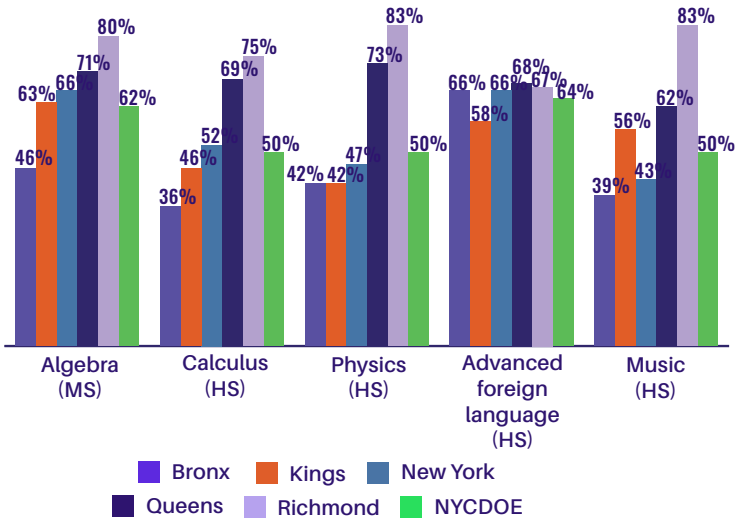
In **Manhattan**, White students are **2.1x** more likely to be enrolled in any AP or IB course than Black students and **1.8x** more likely to be enrolled than Latinx students.

In **Queens**, White students are **1.2x** more likely to be enrolled in any AP or IB course than Black students and **1.5x** more likely to be enrolled than Latinx students.

In **Staten Island**, White students are **1.8x** more likely to be enrolled in any AP or IB course than Black students and **2.1x** more likely to be enrolled than Latinx students.

## Share of Schools Offering Key Courses...

## Share of Schools Offering AP/IB Courses...



Middle School	Share of American Indian/Alaska Native students in grades 7-8 attending a school with no...	Share of Asian/Pacific Islander students in grades 7-8 attending a school with no...	Share of Black students in grades 7-8 attending a school with no...	Share of Latinx students in grades 7-8 attending a school with no...	Share of Multiracial students in grades 7-8 attending a school with no...	Share of White students in grades 7-8 attending a school with no...
	Algebra I - Bronx	46%	31%	51%	52%	46%
Algebra I - Kings	25%	31%	31%	36%	28%	32%
Algebra I - New York	35%	36%	30%	36%	31%	37%
Algebra I - Queens	24%	24%	26%	25%	18%	27%
Algebra I - Richmond	12%	27%	12%	18%	27%	28%
Algebra I - NYCDOE	29%	28%	34%	37%	28%	31%

<b>High School</b>	Share of American Indian/Alaska Native students in grades 9-12 attending a school with no...	Share of Asian/Pacific Islander students in grades 9-12 attending a school with no...	Share of Black students in grades 9-12 attending a school with no...	Share of Latinx students in grades 9-12 attending a school with no...	Share of Multiracial students in grades 9-12 attending a school with no...	Share of White students in grades 9-12 attending a school with no...
Calculus - Bronx	<b>59%</b>	<b>23%</b>	<b>58%</b>	<b>59%</b>	<b>37%</b>	<b>33%</b>
Calculus - Kings	<b>33%</b>	<b>7%</b>	<b>46%</b>	<b>35%</b>	<b>17%</b>	<b>8%</b>
Calculus - New York	<b>35%</b>	<b>11%</b>	<b>44%</b>	<b>36%</b>	<b>14%</b>	<b>16%</b>
Calculus - Queens	<b>19%</b>	<b>8%</b>	<b>22%</b>	<b>15%</b>	<b>13%</b>	<b>7%</b>
Calculus - Richmond	<b>2%</b>	<b>1%</b>	<b>5%</b>	<b>4%</b>	<b>15%</b>	<b>3%</b>
Calculus - NYCDOE	<b>31%</b>	<b>9%</b>	<b>41%</b>	<b>35%</b>	<b>16%</b>	<b>10%</b>
Physics - Bronx	<b>53%</b>	<b>21%</b>	<b>50%</b>	<b>54%</b>	<b>32%</b>	<b>28%</b>
Physics - Kings	<b>39%</b>	<b>8%</b>	<b>47%</b>	<b>38%</b>	<b>19%</b>	<b>10%</b>
Physics - New York	<b>42%</b>	<b>21%</b>	<b>48%</b>	<b>46%</b>	<b>16%</b>	<b>17%</b>
Physics - Queens	<b>16%</b>	<b>7%</b>	<b>28%</b>	<b>12%</b>	<b>11%</b>	<b>4%</b>
Physics - Richmond	<b>1%</b>	<b>0%</b>	<b>4%</b>	<b>2%</b>	<b>1%</b>	<b>0%</b>
Physics - NYCDOE	<b>31%</b>	<b>10%</b>	<b>42%</b>	<b>36%</b>	<b>15%</b>	<b>9%</b>

<b>High School</b>	Share of American Indian/Alaska Native students in grades 9-12 attending a school with no...	Share of Asian/Pacific Islander students in grades 9-12 attending a school with no...	Share of Black students in grades 9-12 attending a school with no...	Share of Latinx students in grades 9-12 attending a school with no...	Share of Multiracial students in grades 9-12 attending a school with no...	Share of White students in grades 9-12 attending a school with no...
Computer Science - Bronx	<b>63%</b>	<b>31%</b>	<b>60%</b>	<b>67%</b>	<b>49%</b>	<b>50%</b>
Computer Science - Kings	<b>42%</b>	<b>19%</b>	<b>48%</b>	<b>41%</b>	<b>31%</b>	<b>24%</b>
Computer Science - New York	<b>50%</b>	<b>32%</b>	<b>57%</b>	<b>53%</b>	<b>46%</b>	<b>47%</b>
Computer Science - Queens	<b>32%</b>	<b>25%</b>	<b>34%</b>	<b>36%</b>	<b>32%</b>	<b>30%</b>
Computer Science - Richmond	<b>22%</b>	<b>25%</b>	<b>20%</b>	<b>22%</b>	<b>13%</b>	<b>21%</b>
Computer Science - NYCDOE	<b>42%</b>	<b>25%</b>	<b>48%</b>	<b>49%</b>	<b>37%</b>	<b>31%</b>
AP/IB - Bronx	<b>18%</b>	<b>3%</b>	<b>7%</b>	<b>8%</b>	<b>4%</b>	<b>3%</b>
AP/IB - Kings	<b>2%</b>	<b>1%</b>	<b>4%</b>	<b>4%</b>	<b>2%</b>	<b>2%</b>
AP/IB - New York	<b>5%</b>	<b>3%</b>	<b>6%</b>	<b>5%</b>	<b>4%</b>	<b>7%</b>
AP/IB - Queens	<b>3%</b>	<b>3%</b>	<b>5%</b>	<b>5%</b>	<b>2%</b>	<b>4%</b>
AP/IB - Richmond	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
AP/IB - NYCDOE	<b>6%</b>	<b>2%</b>	<b>5%</b>	<b>5%</b>	<b>3%</b>	<b>3%</b>

<b>High School</b>	Share of American Indian/Alaska Native students in grades 9-12 attending a school with no...	Share of Asian/Pacific Islander students in grades 9-12 attending a school with no...	Share of Black students in grades 9-12 attending a school with no...	Share of Latinx students in grades 9-12 attending a school with no...	Share of Multiracial students in grades 9-12 attending a school with no...	Share of White students in grades 9-12 attending a school with no...
AP/IB Math and Science - Bronx	29%	6%	20%	22%	10%	7%
AP/IB Math and Science - Kings	10%	2%	14%	10%	5%	4%
AP/IB Math and Science - New York	15%	6%	18%	15%	8%	10%
AP/IB Math and Science - Queens	15%	10%	12%	9%	7%	10%
AP/IB Math and Science - Richmond	0%	0%	0%	0%	0%	0%
AP/IB Math and Science - NYCDOE	16%	6%	15%	14%	7%	6%
AP/IB other - Bronx	18%	4%	9%	9%	4%	4%
AP/IB other - Kings	3%	2%	4%	5%	2%	3%
AP/IB other - New York	5%	3%	6%	5%	4%	7%
AP/IB other - Queens	3%	3%	5%	5%	2%	4%
AP/IB other - Richmond	0%	0%	0%	0%	0%	0%
AP/IB other - NYCDOE	6%	3%	5%	6%	3%	3%

<b>High School</b>	Share of American Indian/Alaska Native students in grades 9-12 attending a school with no...	Share of Asian/Pacific Islander students in grades 9-12 attending a school with no...	Share of Black students in grades 9-12 attending a school with no...	Share of Latinx students in grades 9-12 attending a school with no...	Share of Multiracial students in grades 9-12 attending a school with no...	Share of White students in grades 9-12 attending a school with no...
Advanced Foreign Language - Bronx	<b>26%</b>	<b>15%</b>	<b>33%</b>	<b>30%</b>	<b>30%</b>	<b>17%</b>
Advanced Foreign Language - Kings	<b>27%</b>	<b>5%</b>	<b>35%</b>	<b>22%</b>	<b>13%</b>	<b>7%</b>
Advanced Foreign Language - New York	<b>28%</b>	<b>13%</b>	<b>32%</b>	<b>29%</b>	<b>22%</b>	<b>18%</b>
Advanced Foreign Language - Queens	<b>32%</b>	<b>18%</b>	<b>29%</b>	<b>17%</b>	<b>26%</b>	<b>12%</b>
Advanced Foreign Language - Richmond	<b>7%</b>	<b>4%</b>	<b>18%</b>	<b>13%</b>	<b>8%</b>	<b>5%</b>
Advanced Foreign Language - NYCDOE	<b>29%</b>	<b>13%</b>	<b>32%</b>	<b>24%</b>	<b>21%</b>	<b>10%</b>
Music - Bronx	<b>55%</b>	<b>27%</b>	<b>54%</b>	<b>57%</b>	<b>34%</b>	<b>34%</b>
Music - Kings	<b>34%</b>	<b>15%</b>	<b>34%</b>	<b>30%</b>	<b>30%</b>	<b>17%</b>
Music - New York	<b>46%</b>	<b>31%</b>	<b>55%</b>	<b>53%</b>	<b>32%</b>	<b>33%</b>
Music - Queens	<b>30%</b>	<b>15%</b>	<b>31%</b>	<b>24%</b>	<b>23%</b>	<b>14%</b>
Music - Richmond	<b>1%</b>	<b>0%</b>	<b>4%</b>	<b>2%</b>	<b>1%</b>	<b>0%</b>
Music - NYCDOE	<b>37%</b>	<b>18%</b>	<b>40%</b>	<b>40%</b>	<b>27%</b>	<b>17%</b>

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