

# WITHIN OUR REACH

## NEW YORK STATE



### MIDDLE SCHOOL

#### EARTH SCIENCE



In **New York State**, White students are **4.2x** more likely to be enrolled in Earth Science than Black students and **3.4x** more likely to be enrolled than Latino students.

#### ALGEBRA I



In **New York State**, White students are **1.8x** more likely to be enrolled in Algebra I than Black students or Latino students.

### HIGH SCHOOL

#### CALCULUS



In **New York State**, White students are **2.9x** more likely to be enrolled in Calculus than Black students and **2.5x** more likely to be enrolled than Latino students.

#### PHYSICS



In **New York State**, White students are **2.2x** more likely to be enrolled in Physics than Black students and **2.1x** more likely to be enrolled than Latino students.

#### AP/IB MATH OR SCIENCE



In **New York State**, White students are **2.6x** more likely to be enrolled in an AP/IB Math or Science course than Black students and **2.5x** more likely to be enrolled than Latino students.

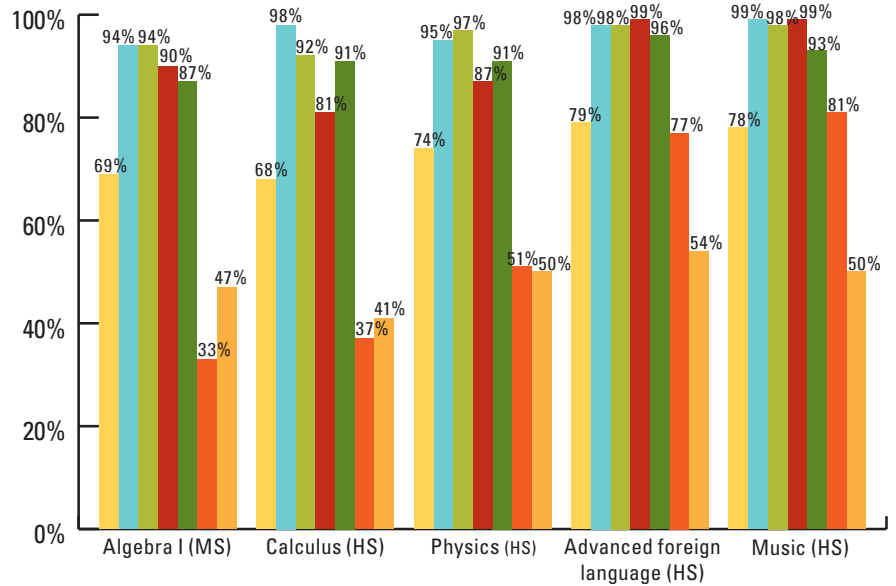
#### COMPUTER SCIENCE



In **New York State**, White students are **2.0x** more likely to be enrolled in Computer Science than Black or Latino students.

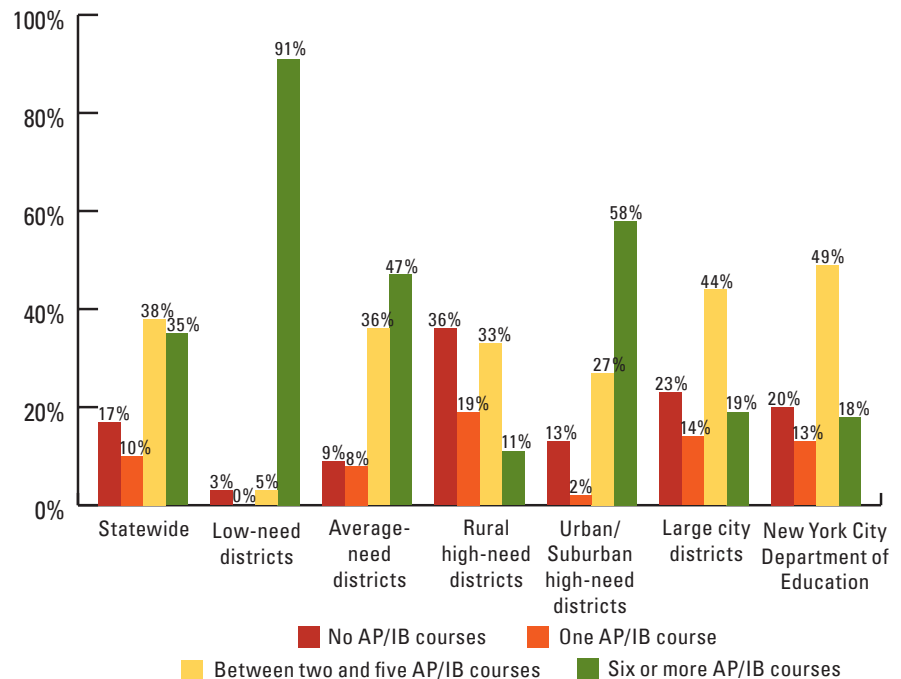
Based on 2016-17 unpublished NYSED course enrollment data. In middle school, the rates below are based on course enrollment per every 100 students in grades 7-8. For high school courses, the rates below are based on course enrollment per every 100 students in grades 9-12. Schools with a combination of grades 7-8 and grades 9-12 are included in the high school analysis only.

### SHARE OF SCHOOLS OFFERING KEY COURSES...



Legend: Statewide (Yellow), Low-need districts (Light Blue), Average-need districts (Light Green), NYC Department of Education (Orange), Rural high-need districts (Red), Urban/suburban high-need districts (Dark Green), Large city districts (Dark Orange)

### SHARE OF SCHOOLS OFFERING ADVANCED PLACEMENT (AP) OR INTERNATIONAL BACCALAUREATE (IB) COURSES...



Legend: No AP/IB courses (Red), One AP/IB course (Orange), Between two and five AP/IB courses (Yellow), Six or more AP/IB courses (Dark Green)

<b>Middle School</b>	<b>NUMBER OF BLACK STUDENTS IN GRADES 7-8 ATTENDING A SCHOOL WITH NO...</b>	<b>SHARE OF BLACK STUDENTS IN GRADES 7-8 ATTENDING A SCHOOL WITH NO...</b>	<b>NUMBER OF LATINO STUDENTS IN GRADES 7-8 ATTENDING A SCHOOL WITH NO...</b>	<b>SHARE OF LATINO STUDENTS IN GRADES 7-8 ATTENDING A SCHOOL WITH NO...</b>	<b>NUMBER OF WHITE STUDENTS IN GRADES 7-8 ATTENDING A SCHOOL WITH NO...</b>	<b>SHARE OF WHITE STUDENTS IN GRADES 7-8 ATTENDING A SCHOOL WITH NO...</b>
<b>Algebra I</b>	<b>16,402</b>	<b>34%</b>	<b>25,049</b>	<b>30%</b>	<b>13,522</b>	<b>9%</b>
<b>Earth Science</b>	<b>37,651</b>	<b>78%</b>	<b>57,067</b>	<b>69%</b>	<b>75,544</b>	<b>50%</b>

<b>High School</b>	<b>NUMBER OF BLACK STUDENTS IN GRADES 9-12 ATTENDING A SCHOOL WITH NO...</b>	<b>SHARE OF BLACK STUDENTS IN GRADES 9-12 ATTENDING A SCHOOL WITH NO...</b>	<b>NUMBER OF LATINO STUDENTS IN GRADES 9-12 ATTENDING A SCHOOL WITH NO...</b>	<b>SHARE OF LATINO STUDENTS IN GRADES 9-12 ATTENDING A SCHOOL WITH NO...</b>	<b>NUMBER OF WHITE STUDENTS IN GRADES 9-12 ATTENDING A SCHOOL WITH NO...</b>	<b>SHARE OF WHITE STUDENTS IN GRADES 9-12 ATTENDING A SCHOOL WITH NO...</b>
<b>Calculus</b>	<b>47,445</b>	<b>36%</b>	<b>53,280</b>	<b>28%</b>	<b>18,748</b>	<b>5%</b>
<b>Physics</b>	<b>39,067</b>	<b>30%</b>	<b>43,961</b>	<b>23%</b>	<b>11,807</b>	<b>3%</b>
<b>Computer Science</b>	<b>80,910</b>	<b>62%</b>	<b>112,231</b>	<b>60%</b>	<b>130,583</b>	<b>36%</b>
<b>AP/IB Math or Science</b>	<b>38,727</b>	<b>30%</b>	<b>44,714</b>	<b>24%</b>	<b>38,518</b>	<b>11%</b>
<b>AP/IB courses in any subject</b>	<b>14,932</b>	<b>11%</b>	<b>16,619</b>	<b>9%</b>	<b>20,553</b>	<b>6%</b>
<b>Advanced foreign language</b>	<b>31,980</b>	<b>25%</b>	<b>37,624</b>	<b>20%</b>	<b>11,159</b>	<b>3%</b>
<b>Music</b>	<b>33,215</b>	<b>26%</b>	<b>44,781</b>	<b>24%</b>	<b>8,483</b>	<b>2%</b>

# THE 5x25

COMMITMENT TO NEW YORK

An agenda for ensuring all New York students are prepared for college, careers, and active citizenship

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