

Within Our Reach

NEW YORK CITY

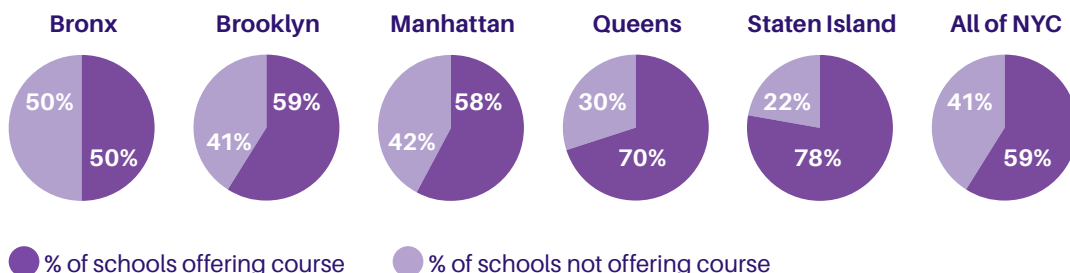


Across New York State, students of color and students from low-income backgrounds are disproportionately excluded from advanced and rigorous coursework. This persistent problem presents serious equity challenges since advanced courses provide students with an opportunity to develop the skills and knowledge necessary for success in college and their career.

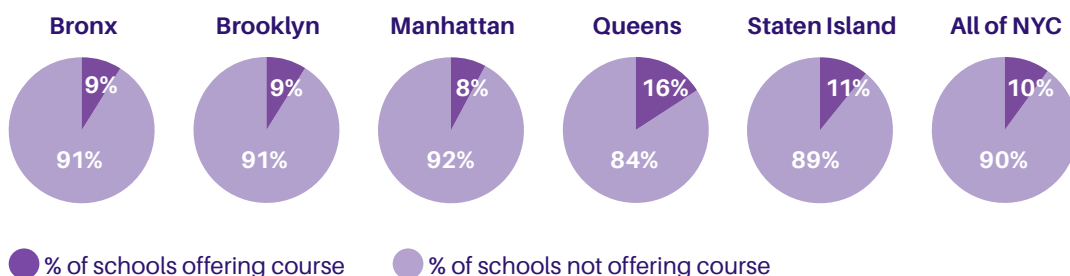
Schools in the region that offer key courses

Middle School

Algebra

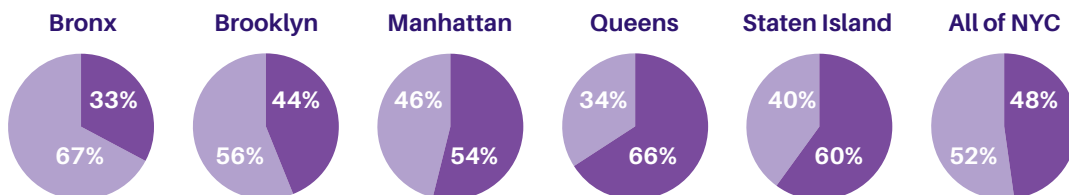


Earth Science



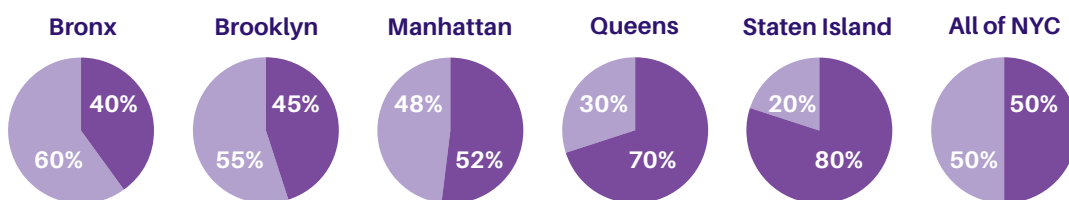
High School

Calculus



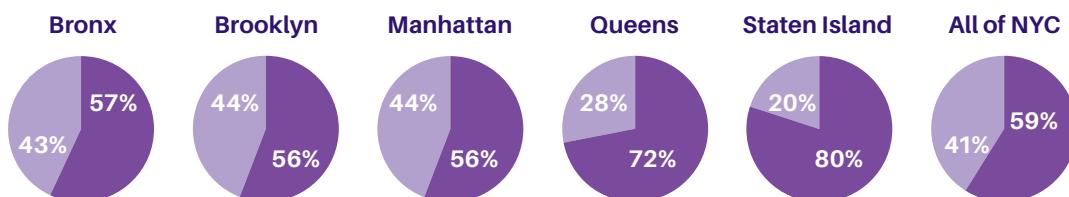
● % of schools offering course
 ● % of schools not offering course

Physics



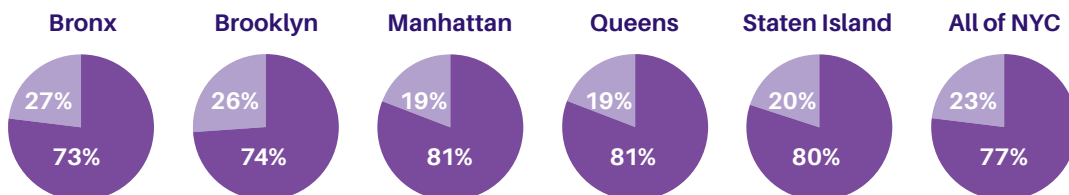
● % of schools offering course
 ● % of schools not offering course

Computer Science

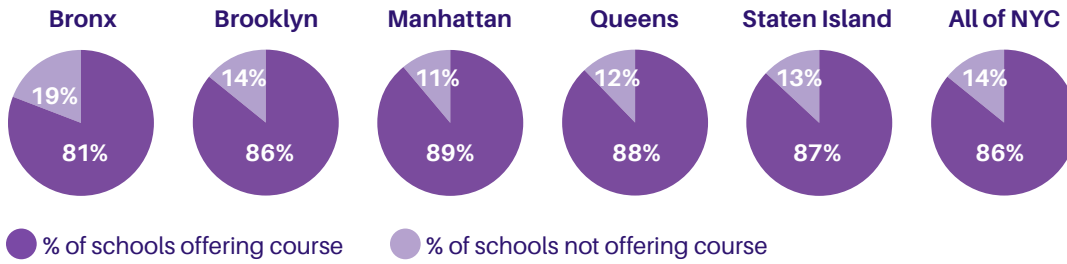


● % of schools offering course
 ● % of schools not offering course

AP/IB Math or Science



● % of schools offering course
 ● % of schools not offering course



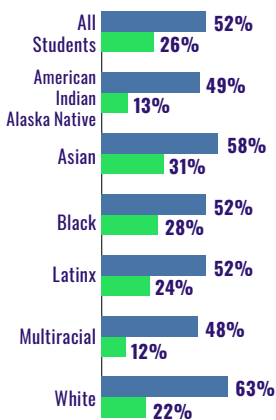
Student enrollment in key courses

Middle School

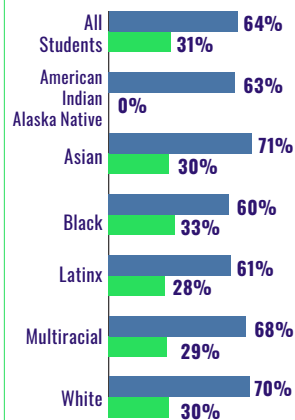
Algebra



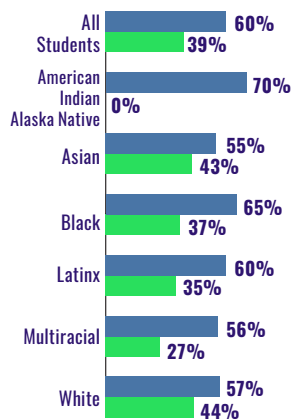
Bronx



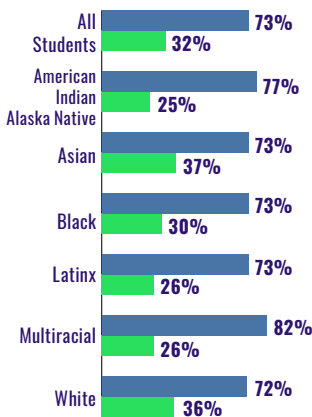
Brooklyn



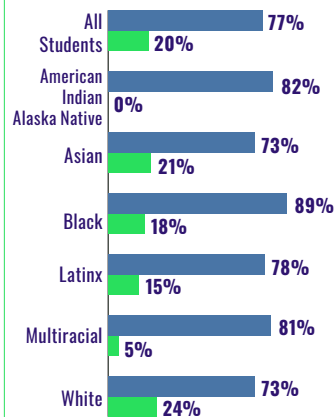
Manhattan



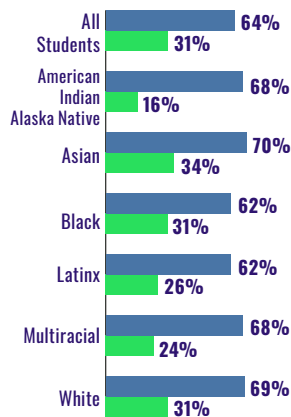
Queens



Staten Island



All of NYC



Use these charts to understand the two ways that course access impacts students: In NYC, 62% of Black students are enrolled in schools that offer Algebra. Out of those students, only 31% are actually enrolled in Algebra.

● Share of students who attend a school that offers Algebra
● Share of Students enrolled in Algebra

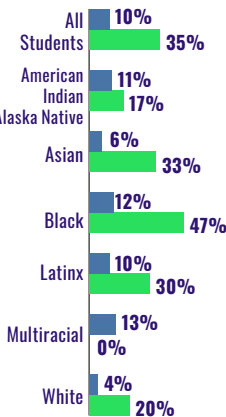
Student enrollment in key courses

Middle School

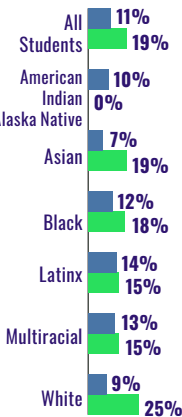
Earth Science



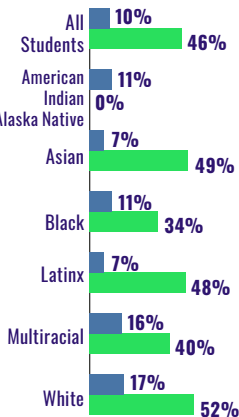
Bronx



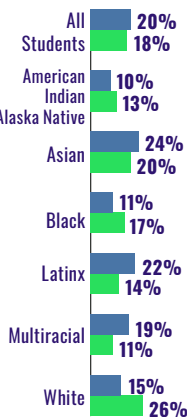
Brooklyn



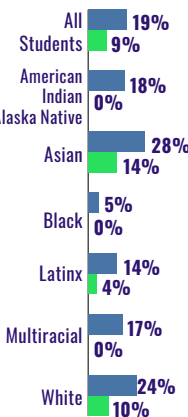
Manhattan



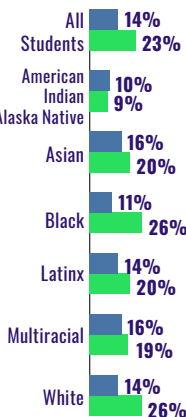
Queens



Staten Island



All of NYC



- Share of students who attend a school that offers Earth Science
- Share of Students enrolled in Earth Science

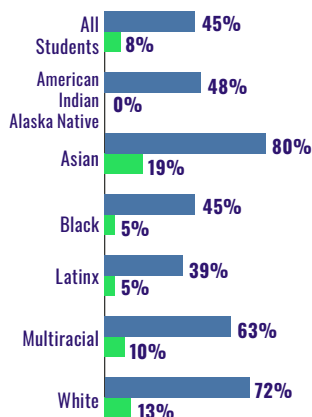
Student enrollment in key courses

High School

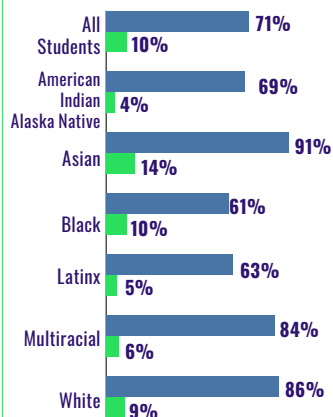
Calculus



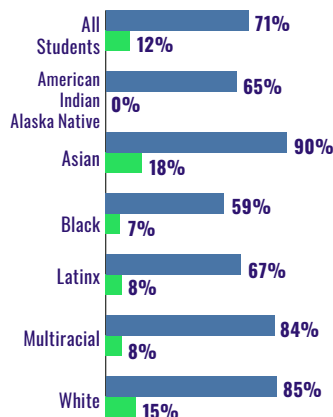
Bronx



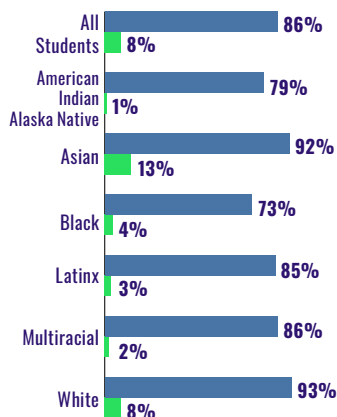
Brooklyn



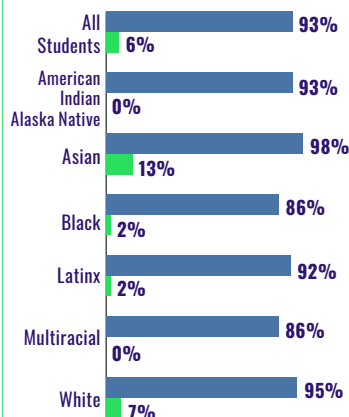
Manhattan



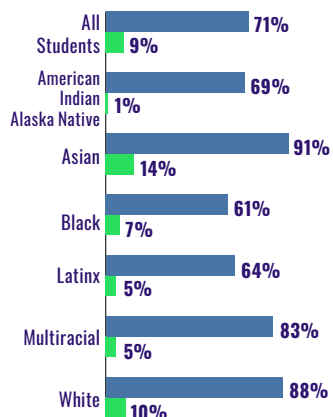
Queens



Staten Island



All of NYC



- Share of students who attend a school that offers Calculus
- Share of Students enrolled in Calculus

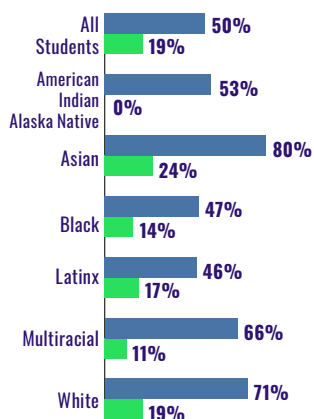
Student enrollment in key courses

High School

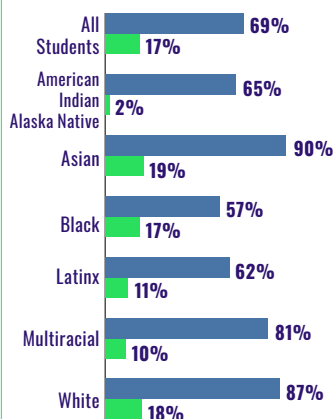
Physics



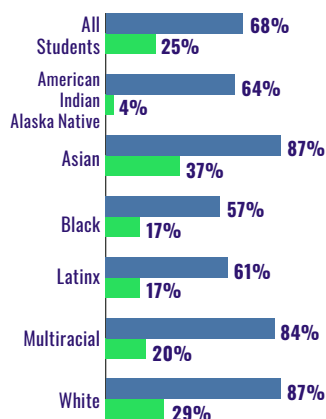
Bronx



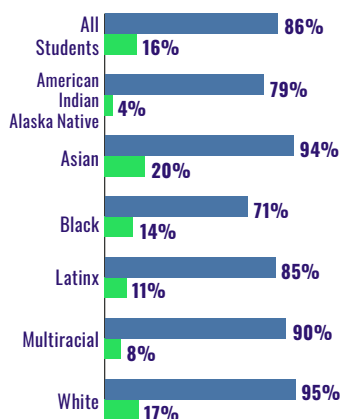
Brooklyn



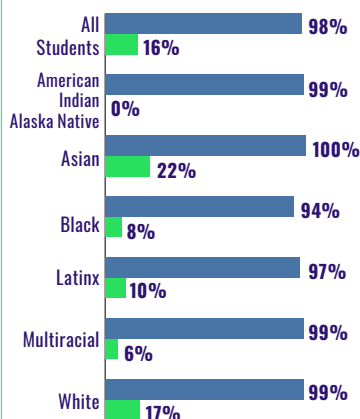
Manhattan



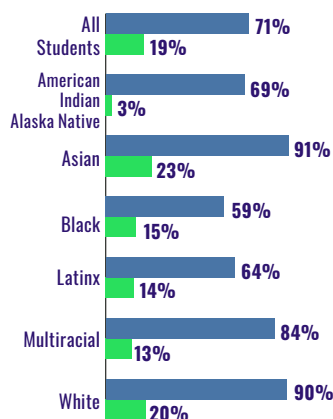
Queens



Staten Island



All of NYC



- Share of students who attend a school that offers Physics
- Share of Students enrolled in Physics

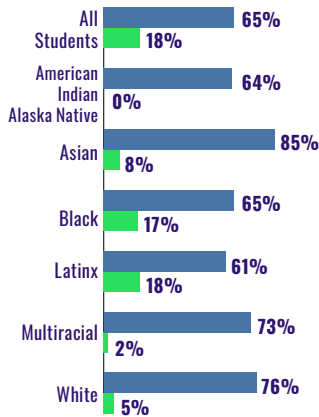
Student enrollment in key courses

High School

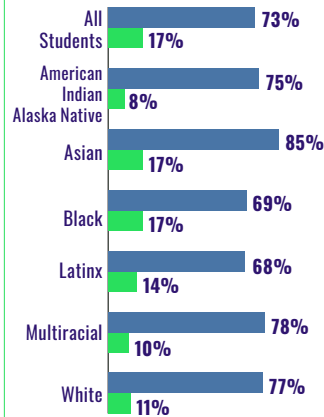
Computer Science



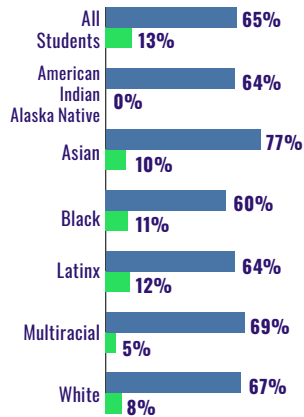
Bronx



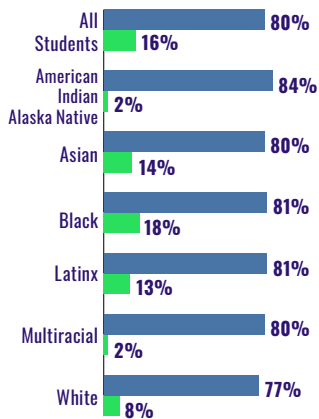
Brooklyn



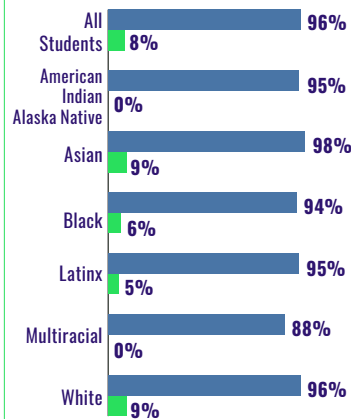
Manhattan



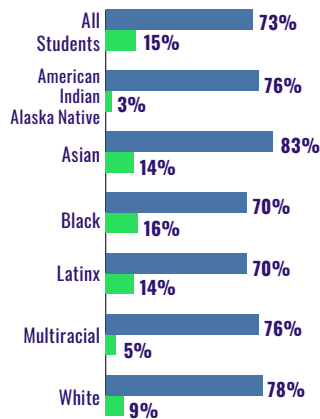
Queens



Staten Island



All of NYC



- Share of students who attend a school that offers Computer Science
- Share of Students enrolled in Computer Science

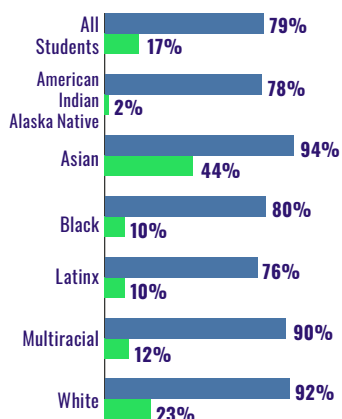
Student enrollment in key courses

High School

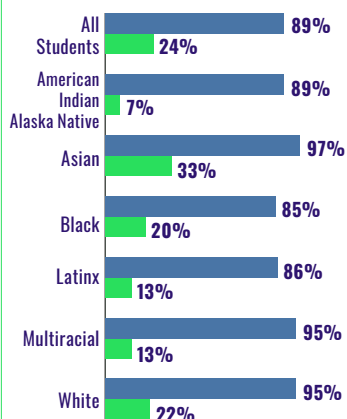
AP/IB Math or Science



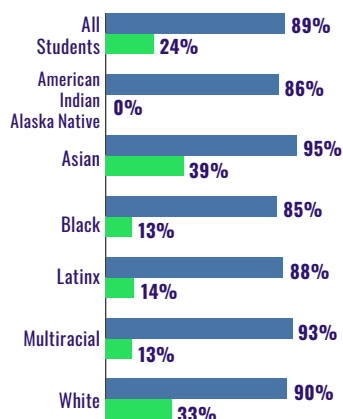
Bronx



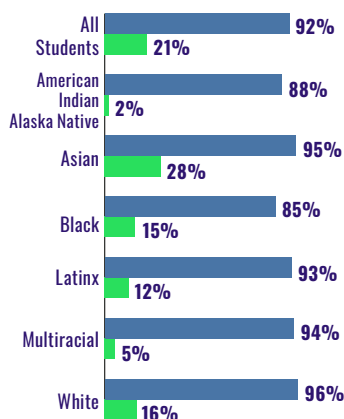
Brooklyn



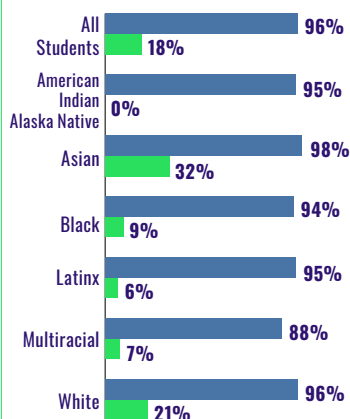
Manhattan



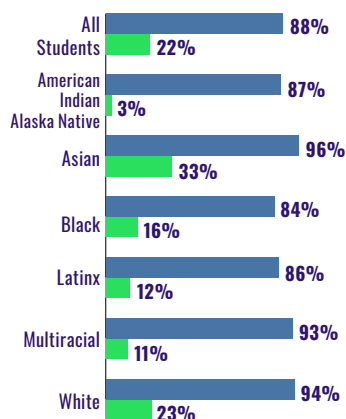
Queens



Staten Island



All of NYC



- Share of students who attend a school that offers AP/IB Math or Science
- Share of Students enrolled in AP/IB Math or Science

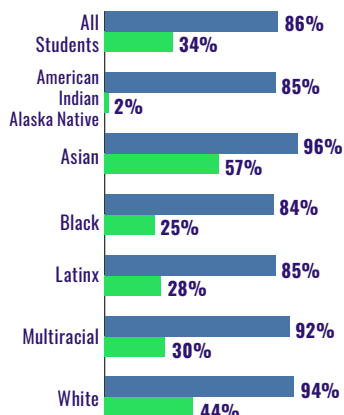
Student enrollment in key courses

High School

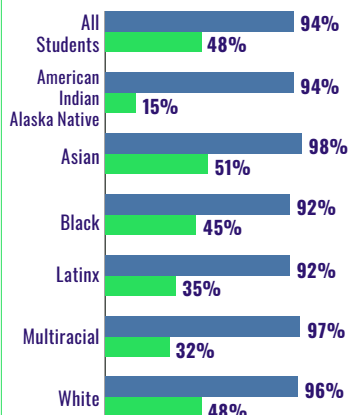
AP/IB Other



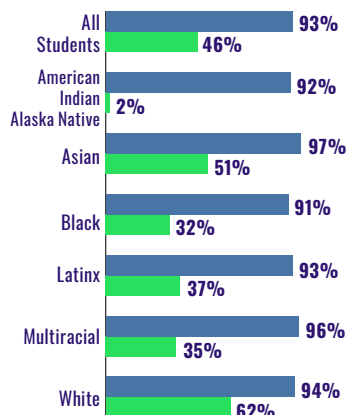
Bronx



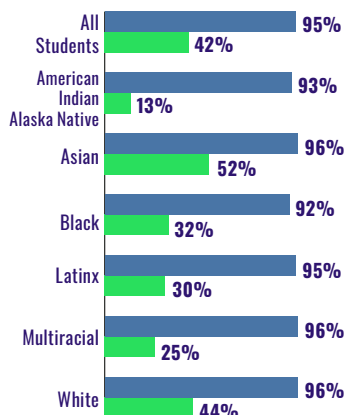
Brooklyn



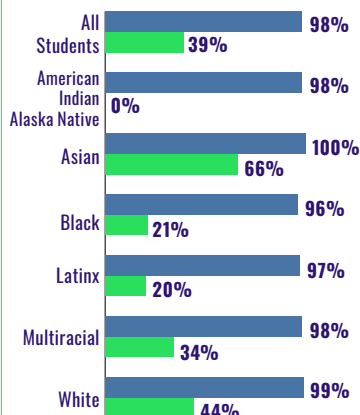
Manhattan



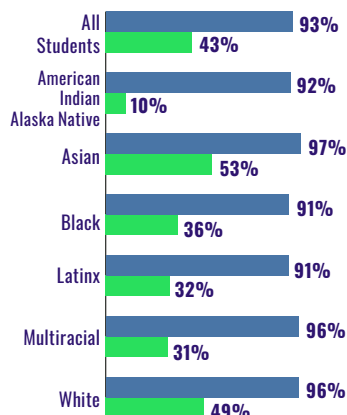
Queens



Staten Island



All of NYC



- Share of students who attend a school that offers AP/IB Other
- Share of Students enrolled in AP/IB Other

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 Latino 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 School District	51%	42%	48%	48%	52%	37%
Algebra I - Brooklyn School District	37%	29%	40%	39%	32%	30%
Algebra I - Manhattan School District	30%	45%	35%	40%	44%	43%
Algebra I - Queens School District	23%	27%	27%	27%	18%	28%
Algebra I - Staten Island School District	18%	27%	11%	22%	19%	27%
Algebra I - Rest of NYC	32%	30%	38%	38%	32%	31%
Earth Science - Bronx School District	89%	94%	88%	90%	87%	96%
Earth Science - Brooklyn School District	90%	93%	88%	86%	87%	91%
Earth Science - Manhattan School District	89%	93%	89%	93%	84%	83%
Earth Science - Queens School District	90%	76%	89%	78%	81%	85%
Earth Science - Staten Island School District	82%	72%	95%	86%	83%	76%
Earth Science - All of NYC	90%	84%	89%	86%	84%	86%

High School

	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 Latino 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 School District	52%	20%	55%	61%	37%	28%
Calculus – Brooklyn School District	31%	9%	39%	37%	16%	14%
Calculus – Manhattan School District	35%	10%	41%	33%	16%	15%
Calculus – Queens School District	21%	8%	27%	15%	14%	7%
Calculus – Staten Island District	7%	2%	14%	8%	14%	5%
Calculus – Rest of NYC	31%	9%	39%	36%	17%	12%
Physics – Bronx School District	47%	20%	53%	54%	34%	29%
Physics – Brooklyn School District	35%	10%	43%	38%	19%	13%
Physics – Manhattan School District	36%	13%	43%	39%	16%	13%
Physics – Queens School District	21%	6%	29%	15%	10%	5%
Physics – Staten Island School District	1%	0%	6%	3%	1%	1%
Physics – Rest of NYC	31%	9%	41%	36%	16%	10%
Computer Science – Bronx School District	36%	15%	35%	39%	27%	24%
Computer Science – Brooklyn School District	25%	15%	31%	32%	22%	23%
Computer Science – Manhattan School District	36%	23%	40%	36%	31%	33%
Computer Science – Queens School District	16%	20%	19%	19%	20%	23%

High School

	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 Latino 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 - Staten Island School District	5%	2%	6%	5%	12%	4%
Computer Science - All of NYC	24%	17%	30%	30%	24%	22%
AP/IB Math or Science - Bronx School District	22%	6%	20%	24%	10%	8%
AP/IB Math or Science - Brooklyn School District	11%	3%	15%	14%	5%	5%
AP/IB Math or Science - Manhattan School District	14%	5%	15%	12%	7%	10%
AP/IB Math or Science - Queens School District	12%	5%	15%	7%	6%	4%
AP/IB Math or Science - Staten Island School District	5%	2%	6%	5%	12%	4%
AP/IB Math or Science - Rest of NYC	13%	4%	16%	14%	7%	6%
AP/IB other - Bronx School District	15%	4%	16%	15%	8%	6%
AP/IB other - Brooklyn School District	6%	2%	8%	8%	3%	4%
AP/IB other - Manhattan School District	8%	3%	9%	7%	4%	6%
AP/IB other - Queens School District	7%	4%	8%	5%	4%	4%
AP/IB other - Staten Island School District	2%	0%	4%	3%	2%	1%
AP/IB other - All of NYC	8%	3%	9%	9%	4%	4%

Data Note: All data reflects course offerings at public schools as of the 2021-22 school year. Charter schools are included. D75 schools, Special Act schools, middle schools with less than 25 students in grades 7-8 enrolled, high schools with less than 50 students in grades 9-12 enrolled, and schools that could not be matched between course enrollment and school enrollment files were excluded. For a more detailed methodology, see our data note at equityined.org.

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