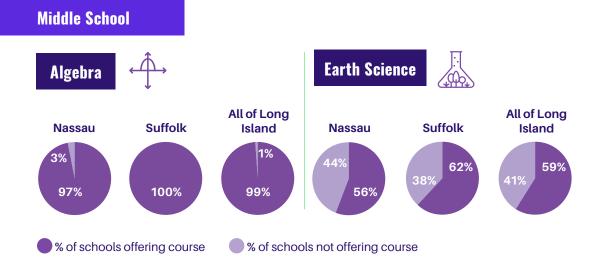
# Within Our Reach

## **LONG ISLAND**

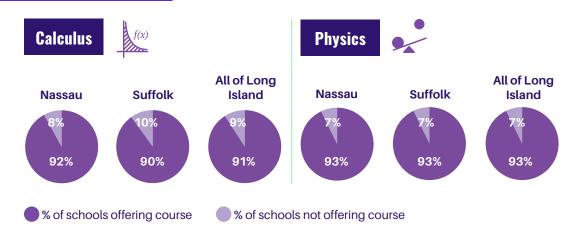


Across New York State, students of color and students from low-income backgrounds are disproportionately excluded from advanced and rigorous coursework. This persistent problem presents serious equity challenges since advanced courses provide students with an opportunity to develop the skills and knowledge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

### Schools in the region that offer key courses

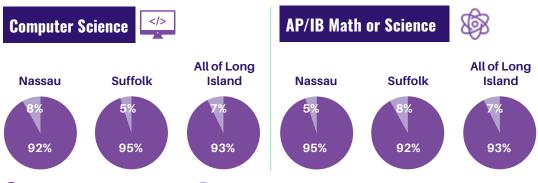


#### **High School**



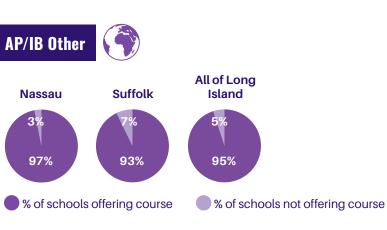


#### **High School**



% of schools offering course

% of schools not offering course



**ACCESS TO ADVANCED COURSEWORK IS ONE WAY TO ENSURE THAT** STUDENTS ARRIVE AT

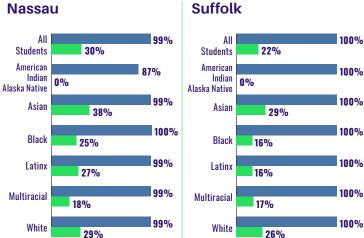
THEIR POSTSECONDARY **OPPORTUNITIES PREPARED** FOR SUCCESS.

## Student enrollment in key courses

#### Middle School

Algebra





26%

100%\* All 26% **Students** American Indian Alaska Native Asian 36% 100% Black 22% 100% Latinx 20% 99% Multiracial 17% 100% White

28%

All of Long Island

Use these charts to understand the two ways that course access impacts students: In Long Island, 100% of Black students are enrolled in schools that offer Algebra. Out of those students, only 22% are actually enrolled in Algebra.

Share of students who attend a school that offers Algebra

Share of Students enrolled in Algebra

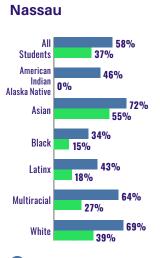
\*All data is rounded to the nearest full percentage point. In this case, 99.6% of all middle schools in Long Island offer Algebra, so we have rounded it up to 100%.

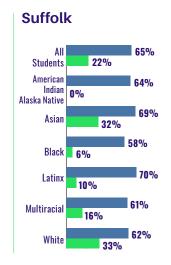
## Student enrollment in key courses

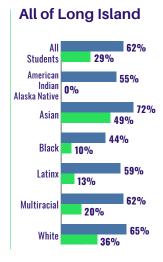
#### **Middle School**











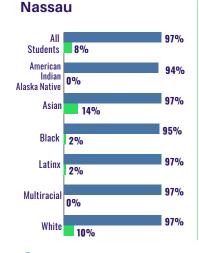
- Share of students who attend a school that offers Earth Science
- Share of Students enrolled in Earth Science

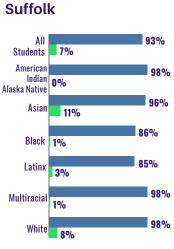
#### Student enrollment in key courses

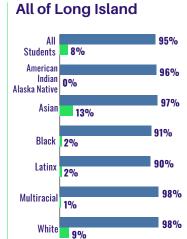
### **High School**









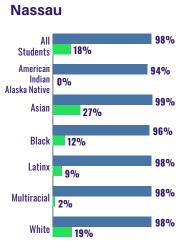


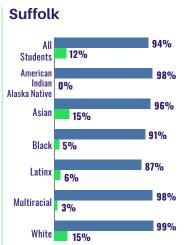
- Share of students who attend a school that offers Calculus
- Share of Students enrolled in Calculus

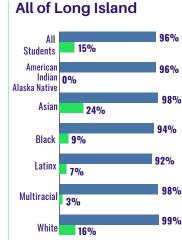
## Student enrollment in key courses

#### **High School**



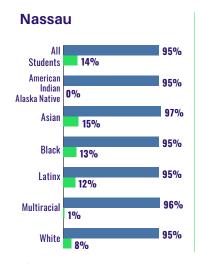


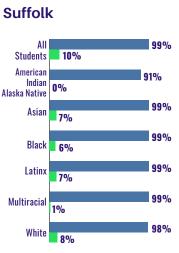


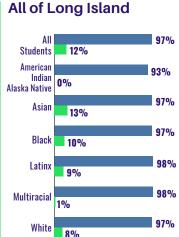


- Share of students who attend a school that offers Physics
- Share of Students enrolled in Physics









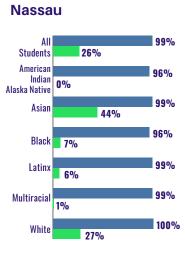
- Share of Students enrolled in Schools that offer Computer Science
- Share of Students enrolled in Computer Science

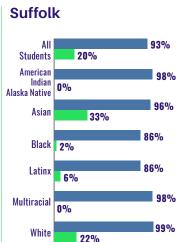
## Student enrollment in key courses

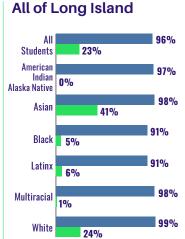
#### **High School**

#### **AP/IB Math or Science**





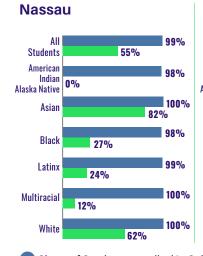


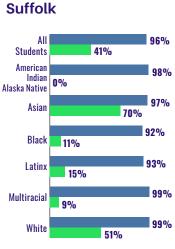


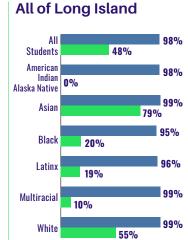
- Share of Students enrolled in Schools that offer AP/IB or Science
- Share of Students enrolled in AP/IB or Science

## **AP/IB Other**









- Share of Students enrolled in Schools that offer AP/IB Other
- Share of Students enrolled in AP/IB Other

Middle School	Share of American IndianAlaska 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 - Nassau City School District	13%	1%	0%	1%	1%	1%
Algebra I - Suffolk City School District	0%	0%	0%	0%	0%	0%
Algebra I - All of Long Island	<b>6</b> %	1%	0%	0%	1%	0%
Earth Science - Nassau City School District	<b>54%</b>	28%	66%	<b>57%</b>	36%	31%
Earth Science - Suffolk City School District	36%	31%	<b>42</b> %	30%	39%	38%
Earth Science - All of Long Island	45%	28%	<b>56%</b>	41%	38%	<b>35%</b>

High School	Share of American IndianAlaska 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 - Nassau City School District	6%	3%	<b>5</b> %	3%	3%	3%
Calculus - Suffolk City School District	<b>2</b> %	<b>4%</b>	14%	15%	<b>2</b> %	2%
Calculus - All of Long Island	<b>4%</b>	3%	9%	10%	<b>2</b> %	2%
Physics - Nassau City School District	6%	1%	<b>4</b> %	<b>2</b> %	<b>2</b> %	2%
Physics - Suffolk City School District	<b>2</b> %	4%	9%	13%	<b>2</b> %	1%
Physics - All of Long Island	<b>4</b> %	<b>2</b> %	6%	8%	<b>2</b> %	1%
Computer Science - Nassau City School District	<b>5</b> %	3%	<b>5</b> %	5%	<b>4</b> %	<b>5</b> %
Computer Science - Suffolk City School District	9%	1%	1%	1%	1%	2%

High School	Share of American IndianAlaska Native students in grades 9-12 attending a school with no	Share of Asian/			Share of	ol Coult
		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	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 - All of Long Island	<b>7</b> %	3%	3%	<b>2</b> %	<b>2</b> %	3%
AP/IB Math or Science - Nassau City School District	<b>4</b> %	1%	4%	1%	1%	0%
AP/IB Math or Science - Suffolk City School District	<b>2</b> %	<b>4%</b>	14%	14%	2%	1%
AP/IB Math or Science - All of Long Island	3%	2%	9%	9%	2%	1%
AP/IB other - Nassau City School District	<b>2</b> %	0%	2%	1%	0%	0%
AP/IB other - Suffolk City School District	<b>2</b> %	3%	8%	7%	1%	1%
AP/IB other - All of Long Island	<b>2</b> %	1%	<b>5</b> %	<b>4</b> %	1%	1%

All data reflects course offerings at public schools as of the 2021-22 school year. Charter schools are included. 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 are excluded. For a more detailed methodology, see our data note at <a href="equityined.org">equityined.org</a>.



