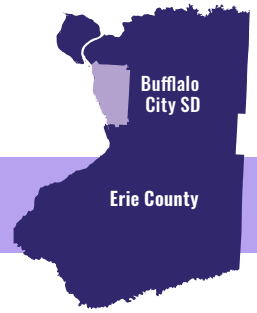


# Within Our Reach

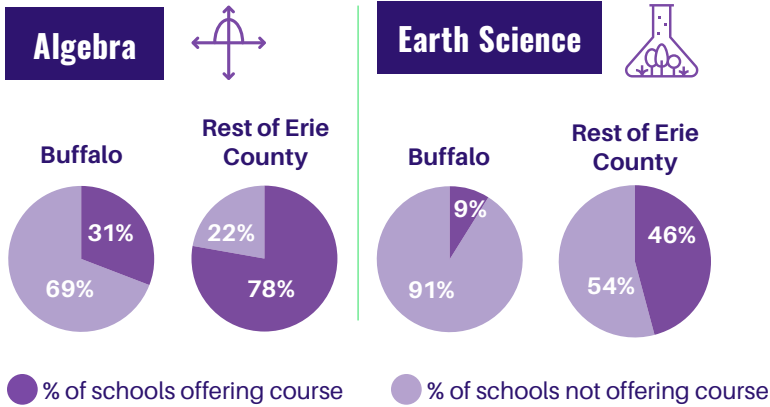


## ERIE COUNTY

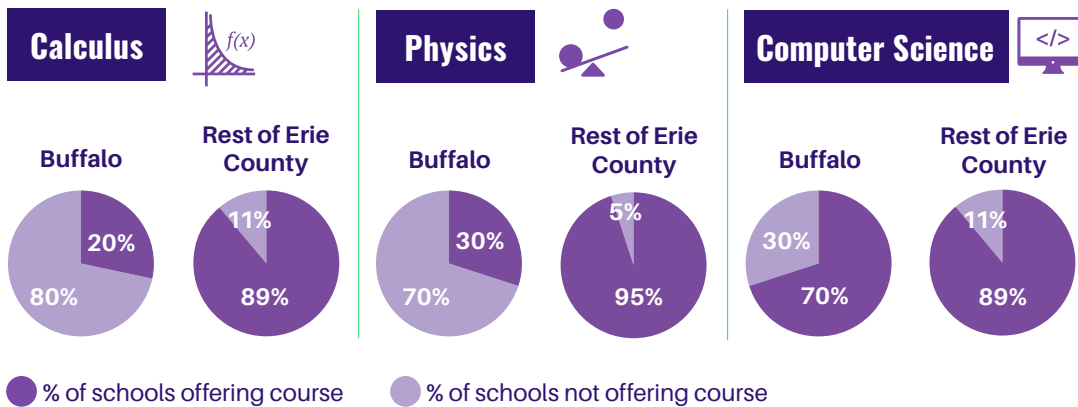
Across New York State, students of color and students from low-income backgrounds are disproportionately excluded from advanced and rigorous coursework. This persistent problem presents serious equity challenges since advanced courses provide students with an opportunity to develop the skills and knowledge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

### Schools in the region that offer key courses

#### Middle School

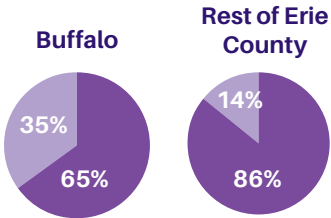


#### High School

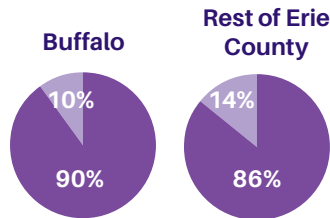


## High School

### AP/IB Math or Science



### AP/IB Other



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

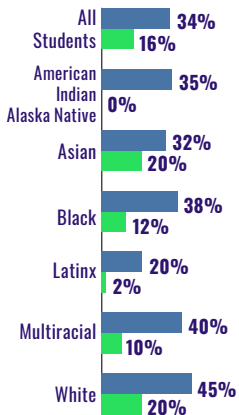
## Student enrollment in key courses

### Middle School

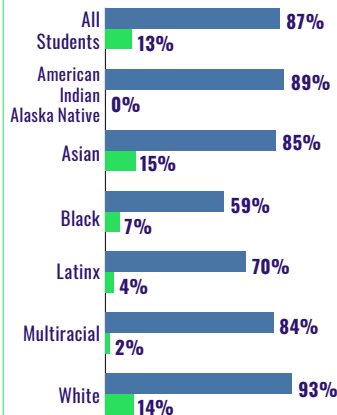
#### Algebra



##### Buffalo



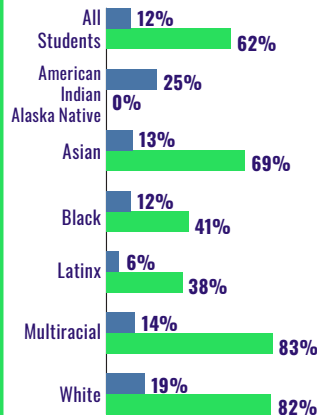
##### Rest of Erie County



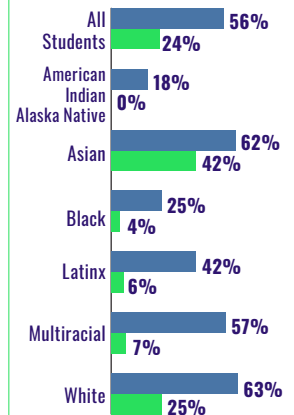
#### Earth Science



##### Buffalo



##### Rest of Erie County



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

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

Use these charts to understand the two ways that course access impacts students: In Buffalo, 38% of Black students are enrolled in schools that offer Algebra. Out of those students, only 12% are actually enrolled in Algebra.

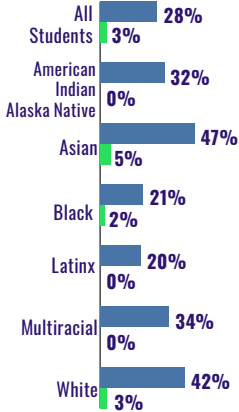
# Student enrollment in key courses

## High School

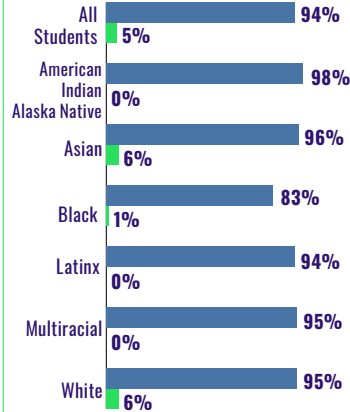
### Calculus



#### Buffalo



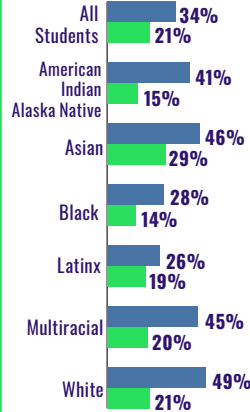
#### Rest of Erie County



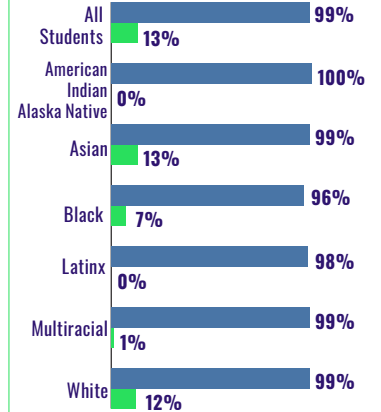
### Physics



#### Buffalo



#### Rest of Erie County



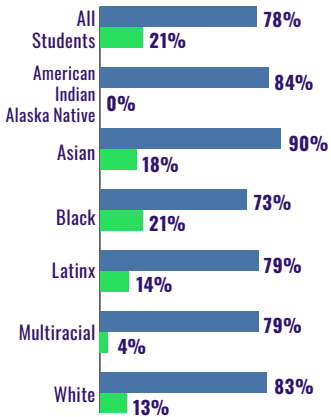
- Share of students who attend a school that offers Calculus
- Share of Students enrolled in Calculus

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

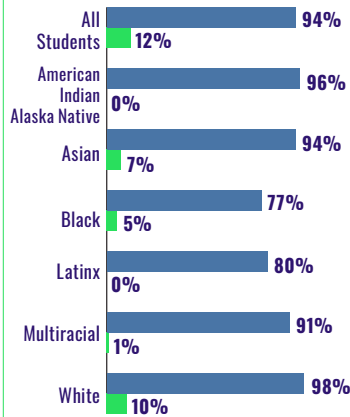
### Computer Science



#### Buffalo



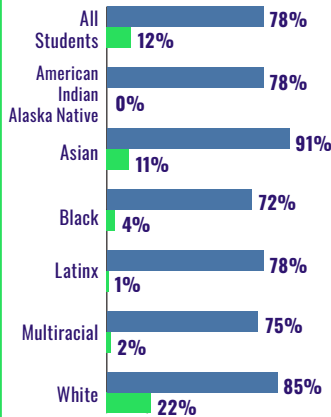
#### Rest of Erie County



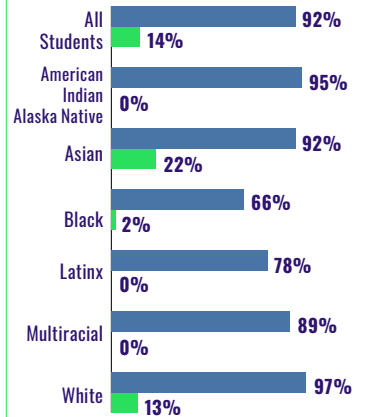
### AP/IB Math or Science



#### Buffalo



#### Rest of Erie County



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

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

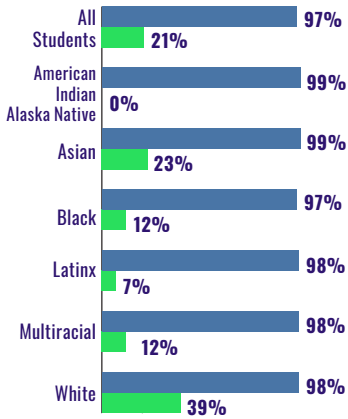
# Student enrollment in key courses

## High School

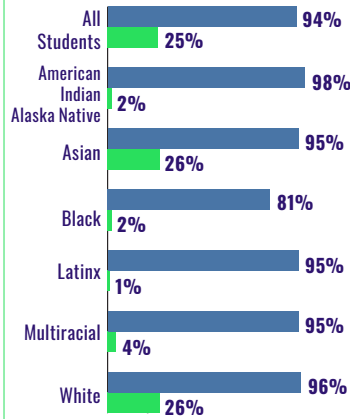
### AP/IB Other



#### Buffalo



#### Rest of Erie County



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

“  
ACCESS TO ADVANCED  
COURSEWORK IS ONE  
WAY TO ENSURE THAT  
STUDENTS ARRIVE AT  
THEIR POSTSECONDARY  
OPPORTUNITIES PREPARED  
FOR SUCCESS.”

## 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 - Buffalo City School District	65%	68%	62%	80%	60%	55%
Algebra I - Rest of Erie County	11%	15%	41%	30%	16%	7%
Earth Science - Buffalo City School District	75%	87%	88%	94%	86%	81%
Earth Science - Rest of Erie County	82%	38%	75%	58%	43%	37%

## 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 - Buffalo City School District	68%	53%	79%	80%	66%	58%
Calculus - Rest of Erie County	2%	4%	17%	6%	5%	5%
Physics - Buffalo City School District	59%	54%	72%	74%	55%	51%
Physics - Rest of Erie County	0%	1%	4%	2%	1%	1%
Computer Science - Buffalo City School District	16%	10%	27%	21%	21%	17%
Computer Science - Rest of Erie County	4%	6%	23%	20%	9%	2%
AP/IB Math or Science - Buffalo City School District	22%	9%	28%	22%	25%	15%
AP/IB Math or Science - Rest of Erie County	5%	8%	34%	22%	11%	3%
AP/IB other - Buffalo City School District	1%	1%	3%	2%	2%	2%
AP/IB other - Rest of Erie County	2%	5%	19%	5%	5%	4%

All data reflects course offerings at public schools as of the 2021-22 school year. Charter schools are represented in the “rest of Erie County” group. 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 description of our sources and methodology, see our data note at [equityined.org](https://equityined.org).



Visit [EquityinEdNY.org](https://equityined.org) to Learn More

New York   
Equity Coalition