**EQUITABLE ACCESS TO ADVANCED COURSES**

**STATEWIDE**

**MIDDLE SCHOOL ADVANCED SCIENCE: EARTH SCIENCE**

**WHY IT MATTERS:** Students who take Earth Science in middle school have more opportunities to excel in advanced math and science in high school.

▶ **How many middle schools offer Earth Science?**

Only about 1 in 4 middle schools offer Earth Science statewide.

▶ **Who gets to enroll in Earth Science in middle school?**

New York State enrolls students who are not low-income at a rate 2.4 times greater than their low-income peers. New York State enrolls White students at a rate 1.3 times greater than their Latinx peers and 1.8 times greater than their Black peers.

<table>
<thead>
<tr>
<th>Earth Science</th>
<th>All students</th>
<th>Low-income</th>
<th>Not low-income</th>
<th>American Indian</th>
<th>Asian</th>
<th>Black</th>
<th>Latinx</th>
<th>Multiracial</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grades 7-8 enrollment rate</td>
<td>7%</td>
<td>3%</td>
<td>10%</td>
<td>3%</td>
<td>9%</td>
<td>3%</td>
<td>4%</td>
<td>7%</td>
<td>9%</td>
</tr>
</tbody>
</table>

▶ **What does fair representation in Earth Science look like?**

More than 61,000 additional students who are low-income and 48,000 additional Latinx and Black students should be enrolled in Earth Science to achieve representation at the same rate as students in schools with the highest participation rates.

**61,773 students who are low-income**

**31,242 Latinx students**

**17,477 Black students**

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The New York Equity Coalition
Learn more and read about solutions at [www.EquityInEdNY.org](http://www.EquityInEdNY.org)
Are students fairly represented when their middle schools offer Earth Science?

Even in middle schools that offer Earth Science, students who are low-income and Latinx and Black students are underrepresented in course enrollment.

Analysis is based on 2018-19 data provided by the New York State Education Department and conducted by The Education Trust—New York. Analysis includes schools with enrollment in grades 7-8 of at least 25 students. Statewide and race/ethnicity findings are based on an analysis of 1,290 schools; economic status findings are based on an analysis of 1,212 schools due to data suppression. For additional information on data exclusions, please visit www.EquityInEdNY.org.