

Chapter 8. State Indicators

8-3D Fourth Grade Science Performance, Asian and Pacific Islander Students

Description

This indicator represents the average score in science of each state's fourth grade public school students on the National Assessment of Educational Progress (NAEP). The NAEP science assessment is a congressionally authorized measure of student performance that is conducted by the National Center for Education Statistics. It measures students' knowledge and skill in science and their ability to apply that knowledge in the content areas of physical, life, and earth and space science. The NAEP assessment in science was updated in 2009 to keep pace with key developments in science. Because it is based on a new framework, 2009 results cannot be compared to those from previous science assessments. Student performance is presented in terms of average scores on a scale from 0 to 300.

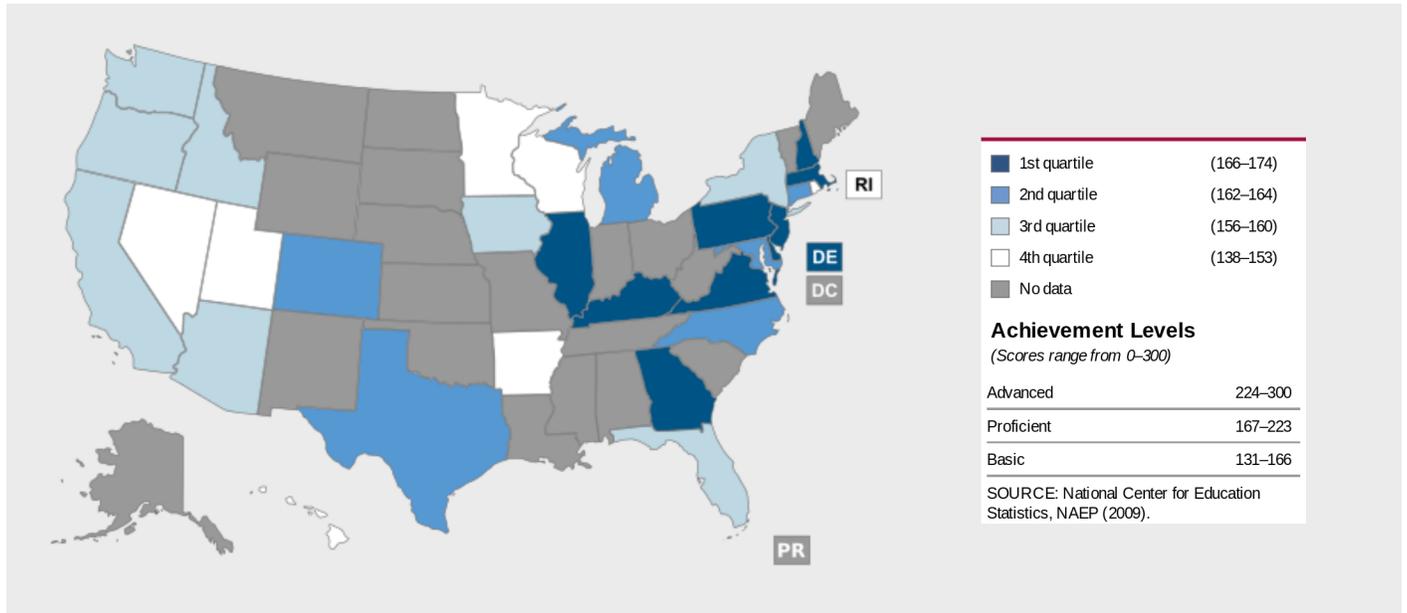
Approximately 151,500 fourth grade students, of whom 7,500 were Asian and Pacific Islander, participated in the 2009 NAEP science assessment. Students with disabilities or limited English-language proficiency are allowed to use certain accommodations (e.g., extra testing time or individual rather than group administration). All data presented here represent scores from tests taken with accommodations offered. Demographic percentages of test takers by state are included in this indicator's standard error table. For national data across all demographic groups, see indicator 8-3.

Findings

- Percentages of Asian and Pacific Islander test takers varied on a state level from 1% to 65%. Nationally, in 2009, 5% of fourth grade science test takers were Asian and Pacific Islander students.
- In 2009, the nationwide average science score of Asian and Pacific Islander fourth grade students was 160 compared to the nationwide average of 149. Average scores for individual states range between 138 and 174.
- Of the 30 states that participated in the 2009 fourth grade science assessment and for which enough data existed for statistical comparisons, 7 statewide average scores were higher than the national average, 17 scores were clustered around the average, and 6 scores were lower.
- The nationwide average score of Asian and Pacific Islander students on the earth science section of the science exam was 158, the average score on the life science section was 159, and the average score on the physical science section was 160.

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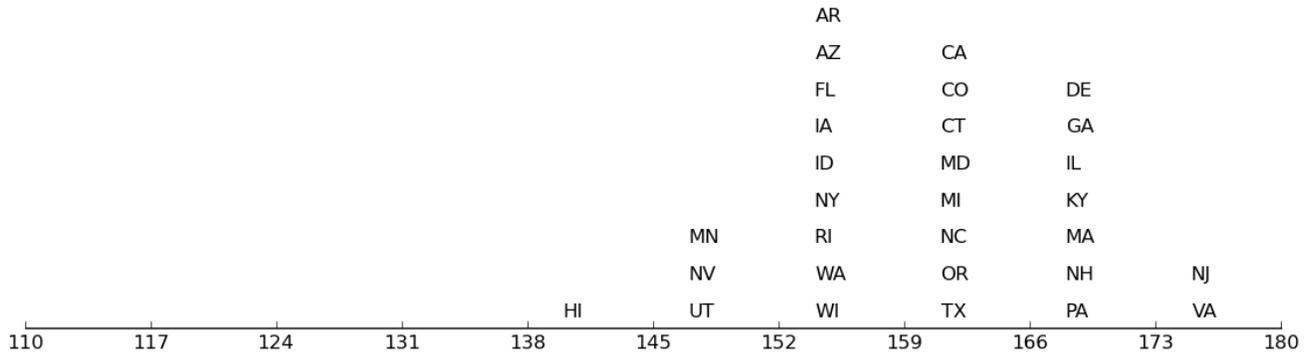
Year: 2009



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Year: 2009

Distribution of states across indicator values



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Table 8-3D Fourth Grade Science Performance, Asian and Pacific Islander Students

State	4th grade science performance, Asian and Pacific Islander students (Score out of 300)	
	2009	
United States		160
Alabama		S
Alaska		NA
Arizona		156
Arkansas		152
California		160
Colorado		162
Connecticut		164
Delaware		169
District of Columbia		NA
Florida		158
Georgia		167
Hawaii		138
Idaho		156
Illinois		166
Indiana		S
Iowa		156
Kansas		NA
Kentucky		172
Louisiana		S
Maine		S
Maryland		164
Massachusetts		167
Michigan		162
Minnesota		147

4th grade science performance, Asian and Pacific Islander students (Score out of 300)	
2009	
Mississippi	S
Missouri	S
Montana	S
Nebraska	NA
Nevada	151
New Hampshire	171
New Jersey	173
New Mexico	S
New York	156
North Carolina	163
North Dakota	S
Ohio	S
Oklahoma	S
Oregon	159
Pennsylvania	166
Rhode Island	152
South Carolina	S
South Dakota	S
Tennessee	S
Texas	163
Utah	147
Vermont	NA
Virginia	174
Washington	156
West Virginia	S
Wisconsin	153
Wyoming	S
Puerto Rico	NA

State
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rhode Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming

Puerto Rico

NA



4th grade science performance, Asian and Pacific Islander students (Score out of 300)

State

2009

NA = not available; S = data are suppressed because reporting standards were not met.

NOTES: The National Assessment of Educational Progress (NAEP) scores are for public schools only. The national value for the United States is the reported value in the NAEP reports. Asian and Pacific Islander includes Native Hawaiian.

SOURCE: National Center for Education Statistics, NAEP (2009).

Science and Engineering Indicators 2016