

## Chapter 8. State Indicators

### 8-3F Fourth Grade Science Performance, Male 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 in 8,780 schools 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.

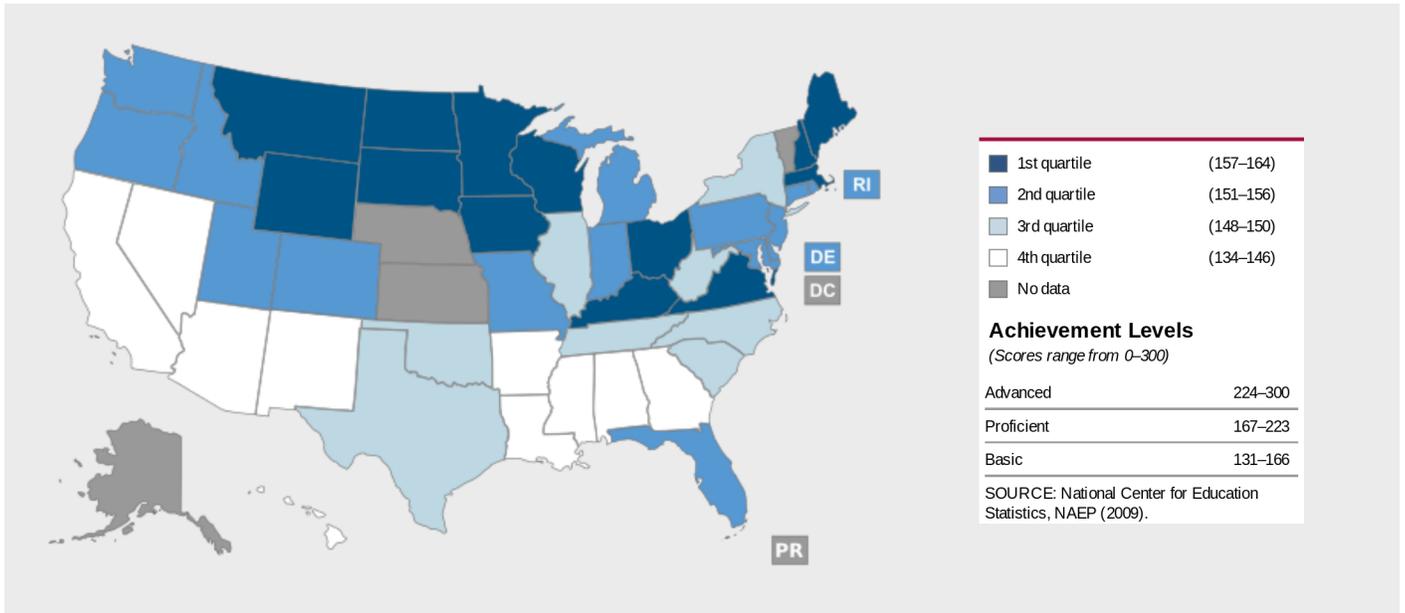
#### Findings

---

- In 2009, the nationwide average science score of male fourth grade students was 149, the same as the national value. Average scores for individual states range between 134 and 164.
- Of the 46 states that participated in the 2009 fourth grade science assessment and that have enough data for statistical comparisons, 23 statewide average scores were higher than the national average, 13 scores were clustered around the average, and 10 scores were lower.
- The nationwide average score of male students on the earth science section of the science exam was 151, the average score on the life science section was 148, and the average score on the physical science section was 149.

## 8-3F Fourth Grade Science Performance, Male Students

Year: 2009

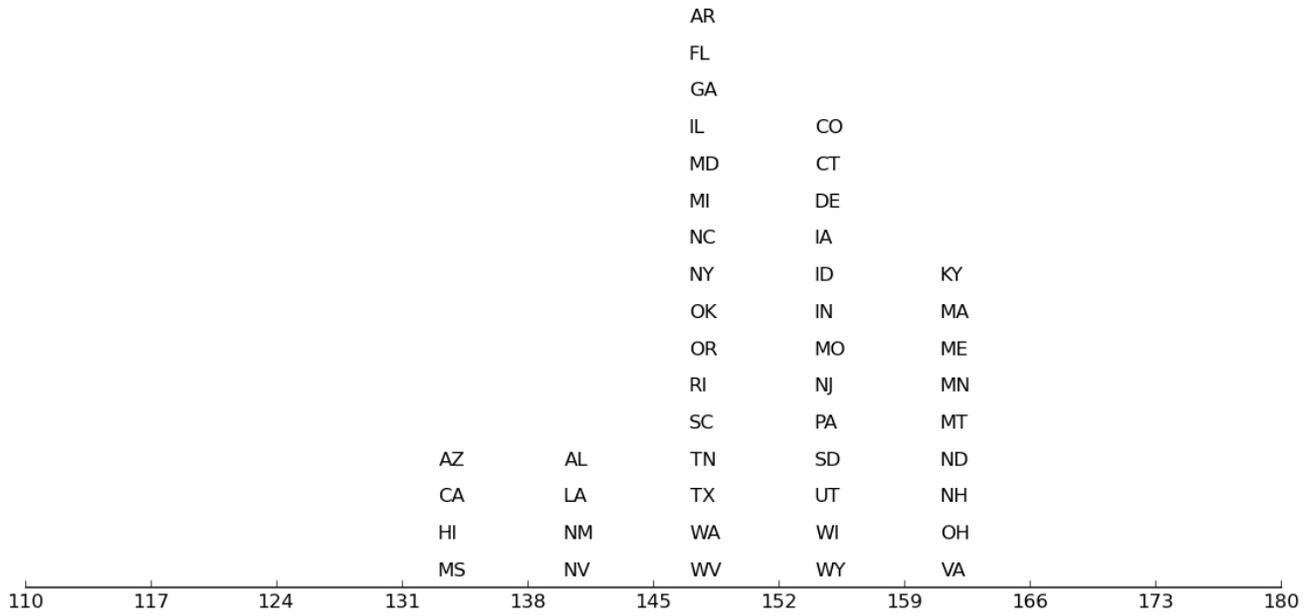


## 8-3F Fourth Grade Science Performance, Male Students

Year: 2009

Distribution of states across indicator values

---



## Chapter 8. State Indicators



**Table 8-3F** Fourth Grade Science Performance, Male Students

State	4th grade science performance, male students (Score out of 300)	
	2009	
United States		149
Alabama		144
Alaska		NA
Arizona		137
Arkansas		146
California		136
Colorado		156
Connecticut		156
Delaware		153
District of Columbia		NA
Florida		151
Georgia		145
Hawaii		137
Idaho		154
Illinois		148
Indiana		153
Iowa		158
Kansas		NA
Kentucky		161
Louisiana		141
Maine		161
Maryland		151
Massachusetts		162
Michigan		151
Minnesota		159

State	4th grade science performance, male students (Score out of 300)	
	2009	
Mississippi		134
Missouri		155
Montana		160
Nebraska		NA
Nevada		142
New Hampshire		163
New Jersey		156
New Mexico		142
New York		148
North Carolina		149
North Dakota		164
Ohio		159
Oklahoma		148
Oregon		151
Pennsylvania		156
Rhode Island		151
South Carolina		150
South Dakota		158
Tennessee		149
Texas		148
Utah		155
Vermont		NA
Virginia		161
Washington		151
West Virginia		149
Wisconsin		157
Wyoming		157
Puerto Rico		NA



4th grade science performance, male students  
(Score out of 300)

State

2009

NA = not available.

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.

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

*Science and Engineering Indicators 2016*