

Chapter 8. State Indicators

8-7F Eighth Grade Science Performance, Male Students

Description

This indicator represents the average score in science of each state's eighth 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 119,600 eighth grade students in 6,690 schools participated in the 2011 NAEP science assessment. NAEP allows students with disabilities or limited English-language proficiency 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 8-7.

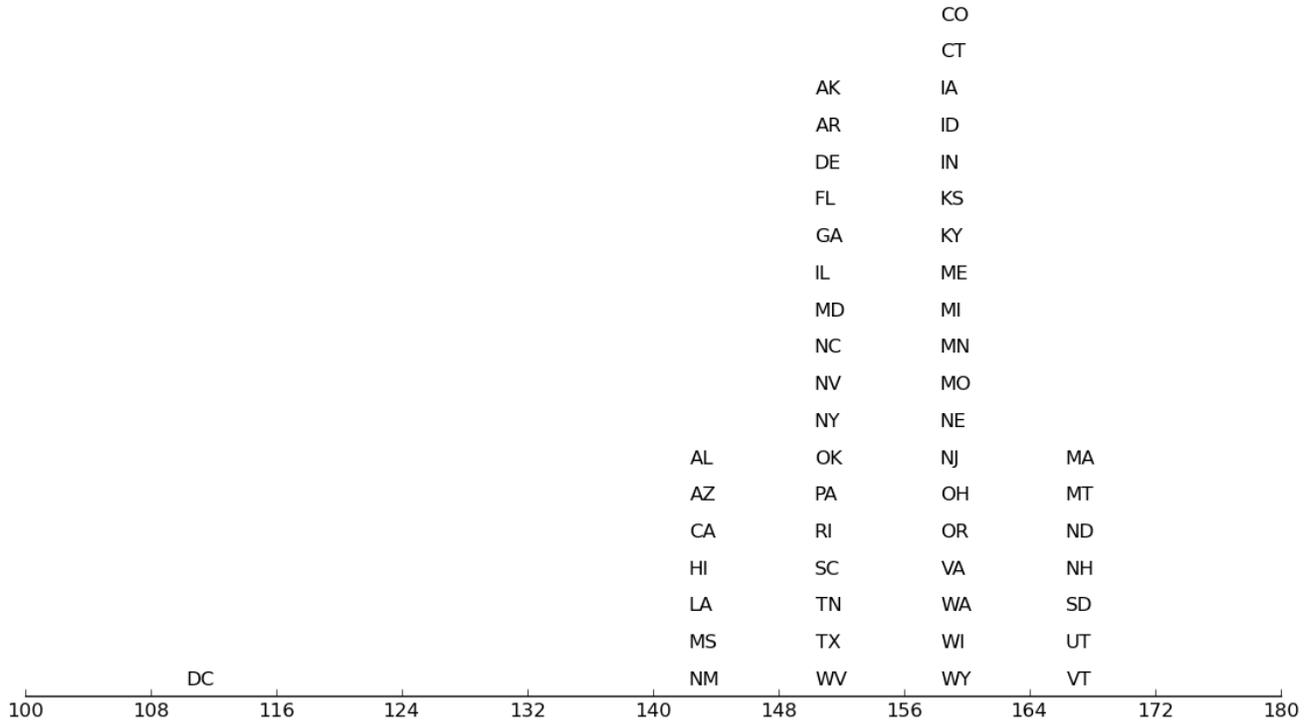
Findings

- In 2011, the nationwide average science score of eighth grade male students was 153, an increase from 151 in 2009. In 2011, the nationwide average science score of eighth grade students was 151.
- Average scores in 2011 for individual states ranged from a high of 167 to a low of 141.
- Most reported statewide average values (34) were virtually the same in 2011 as in 2009; 12 statewide average scores were higher in 2011 compared to 2009.
- The 2011 nationwide average score of male students on the earth science section of the science exam was 153, the average score on the life science section was 152, and the average score on the physical science section was 154.

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Year: 2011

Distribution of states across indicator values



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Table 8-7F Eighth Grade Science Performance, Male Students

State	8th grade science performance, male students (Score out of 300)	
	2009	2011
United States	151	153
Alabama	142	141
Alaska	NA	154
Arizona	143	146
Arkansas	145	149
California	138	143
Colorado	158	162
Connecticut	157	156
Delaware	151	151
District of Columbia	NA	110
Florida	148	150
Georgia	150	153
Hawaii	140	143
Idaho	160	162
Illinois	150	150
Indiana	155	157
Iowa	158	159
Kansas	NA	159
Kentucky	159	158
Louisiana	141	144
Maine	160	162
Maryland	150	152
Massachusetts	162	164
Michigan	155	160
Minnesota	161	163

8th grade science performance, male students (Score out of 300)		
State	2009	2011
Mississippi	134	142
Missouri	158	158
Montana	165	166
Nebraska	NA	158
Nevada	142	148
New Hampshire	164	165
New Jersey	156	157
New Mexico	147	147
New York	150	150
North Carolina	145	149
North Dakota	166	167
Ohio	161	161
Oklahoma	149	150
Oregon	156	157
Pennsylvania	157	155
Rhode Island	149	151
South Carolina	144	150
South Dakota	164	165
Tennessee	149	154
Texas	152	155
Utah	159	164
Vermont	NA	165
Virginia	157	161
Washington	156	159
West Virginia	148	153
Wisconsin	160	162
Wyoming	162	163
Puerto Rico	NA	NA



8th grade science performance, male students (Score out of 300)

State

2009

2011

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 (various years).

Science and Engineering Indicators 2016