Overall Results

- In 2011, the average score of eighth-grade students in Wyoming was 270. This was higher than the average score of 264 for public school students in the nation.
- The average score for students in Wyoming in 2011 (270) was not significantly different from their average score in 2009 (268) and was higher than their average score in 1998 (263).
- In 2011, the score gap between students in Wyoming at the 75th percentile and students at the 25th percentile was 40 points. This performance gap was not significantly different from that of 1998 (42 points).
- The percentage of students in Wyoming who performed at or above the NAEP Proficient level was 38 percent in 2011. This percentage was not significantly different from that in 2009 (34 percent) and was greater than that in 1998 (31 percent).
- The percentage of students in Wyoming who performed at or above the NAEP Basic level was 82 percent in 2011. This percentage was not significantly different from that in 2009 (82 percent) and was greater than that in 1998 (76 percent).

Achievement-Level Percentages and Average Score Results

<table>
<thead>
<tr>
<th>Year</th>
<th>Percent at Basic</th>
<th>Proficient</th>
<th>Advanced</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998</td>
<td>24*</td>
<td>28*</td>
<td>2*</td>
</tr>
<tr>
<td>2002</td>
<td>24</td>
<td>29*</td>
<td>2*</td>
</tr>
<tr>
<td>2005</td>
<td>19</td>
<td>45</td>
<td>33</td>
</tr>
<tr>
<td>2007</td>
<td>20</td>
<td>47</td>
<td>31</td>
</tr>
<tr>
<td>2009</td>
<td>13</td>
<td>47</td>
<td>33</td>
</tr>
<tr>
<td>2011</td>
<td>13</td>
<td>44</td>
<td>35</td>
</tr>
</tbody>
</table>

Score Gaps for Student Groups

- Significantly different (p < .05) from 2011. Significance tests were performed using unrounded numbers.

Note: Detail may not sum to totals because of rounding.
In 2011, the average reading scale score for 8th grade students in Wyoming was 270; this was reliably higher than the national average (264).

Wyoming 8th grade average reading scale score in 2011 that was not statistically different from Colorado, Idaho, Nebraska, South Dakota or Utah.

Wyoming 8th graders had a lower average reading scale score in 2011 than their peers in Montana; unlike Wyoming, however, Montana did not include eighty-five percent of their eighth grade special education students in the 2011 NAEP reading assessment (as prescribed by the National Assessment Governing Board).

Eighty-two (82) percent of Wyoming’s 8th graders scored at or above Basic on the 2011 reading assessment. This was reliably higher than the nation’s 75 percent.

The percentage of Wyoming’s 8th graders scoring at or above Basic on reading in 2011 was not reliably different from Colorado, Idaho, Nebraska, South Dakota, or Utah.

Wyoming had a lower percentage of 8th graders scoring at or above Basic on the 2011 reading assessment than Montana.

Legend: Wyoming (blue) is the focal state. States in green scored reliably higher than Wyoming. States in yellow were not statistically different from Wyoming. States in red scored reliably lower than Wyoming.

Results are based on statistical tests which account for standard errors related to NAEP’s sampling procedures. For additional results and more information about Wyoming NAEP, please visit http://edu.wyoming.gov/Programs/statewide_assessment_system/naep.aspx.
Eighty-one (82) percent of Wyoming 8th graders scored at or above Basic on the 2011 reading assessment. This was higher than the nation’s 75 percent.

Wyoming also had a higher percentage of 8th graders scoring at or above Basic than Alaska, and Rhode Island—states with similar per-student expenditures.

The percentage of Wyoming 8th graders scoring at or above Basic was not reliably different from peer expenditure states Connecticut, Massachusetts, Maryland, or Vermont.
On the 2011 reading assessment, Wyoming 8th graders had an average scale score that was reliably higher than students in Alabama, Alaska, Arizona, Arkansas, California, Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Louisiana, Michigan, Mississippi, Nevada, New Mexico, New York, North Carolina, Oklahoma, Oregon, Rhode Island, South Carolina, Tennessee, Texas, and West Virginia. They also scored higher than the national average.

Wyoming 8th graders had an average scale score that was not statistically different from students in Colorado, Idaho, Kentucky, Kansas, Maine, Maryland, Minnesota, Missouri, Nebraska, New Hampshire, North Dakota, Ohio, Pennsylvania, South Dakota, Utah, Virginia, Washington, and Wisconsin.

Wyoming 8th graders had an average scale score that was reliably lower than students in Connecticut, Department of Defense schools, Massachusetts*, Montana, New Jersey*, and Vermont.

*Jurisdiction, unlike Wyoming, did not include eighty-five percent of their eighth grade special education students in the 2011 NAEP reading assessment as prescribed by the National Assessment Governing Board.

Results are based on statistical tests which account for standard errors related to NAEP’s sampling procedures. For additional results and more information about Wyoming NAEP, please visit: http://edu.wyoming.gov/Programs/statewide_assessment_system/naep.aspx.
In 2011, Wyoming eighth graders’ scale scores in reading were above the average nationally. Wyoming also had higher results in six student groups: male and female students, Hispanic students, students from low income families (i.e., students qualifying for free or reduced price meals from the National School Lunch Program), and students in city or town schools (as defined by the Census Bureau).

Wyoming’s fourth graders in rural schools had average scale scores in reading that were not reliably different from national results, i.e., students across the rest of the country in rural schools.

Wyoming’s 2011 NAEP eighth grade reading scores were not reliably different from the rest of the nation in two of the state’s larger students groups:

White students (82% of Wyoming’s 8th graders), and students from more affluent home (i.e., those students Not qualifying for free or reduced price meals from the National School Lunch Program—65% of Wyoming’s 8th graders).
Student Groups in Wyoming

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess eighth graders’ skills in two reading areas: Literary Texts and Informational Texts. Scale scores range from 0 to 500, wherein a 243 denotes NAEP’s Basic achievement benchmark (i.e., approximately a “grade level” performance); 281 reflects Proficient results or competency on challenging material, and 323 is considered to be Advanced.

On the NAEP 2011 reading assessment, the proportion of eighth grade female students in Wyoming who scored at or above Basic (85 percent) was higher than male students (77 percent).

The proportion of eighth grade White students in Wyoming scoring at or above Basic (84 percent) was higher than Hispanic (69 percent) students. Sampling was not sufficient to permit reporting of reading performance for eighth grade Black, Asian, and Native American students.

Wyoming eighth graders qualifying for free or reduced price meals in the National School Lunch Program and scoring at or above Basic (74 percent) was lower than students who were not eligible for the program (86 percent).

Results are based on statistical tests which account for standard errors related to NAEP’s sampling procedures. For additional results and more information about Wyoming NAEP, please visit: http://edu.wyoming.gov/Programs/statewide_assessment_system/naep.aspx.