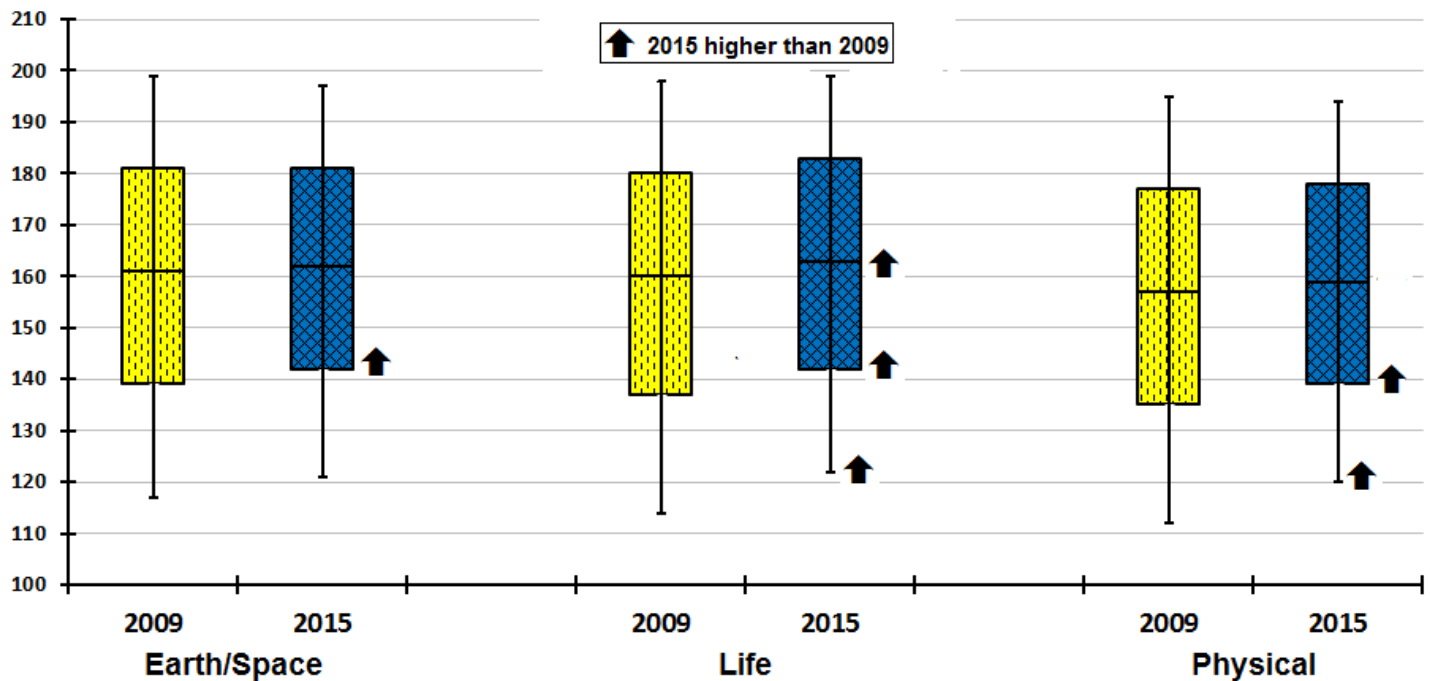


Idaho NAEP Science Strand Percentiles, 2009 vs. 2015, Grade 8

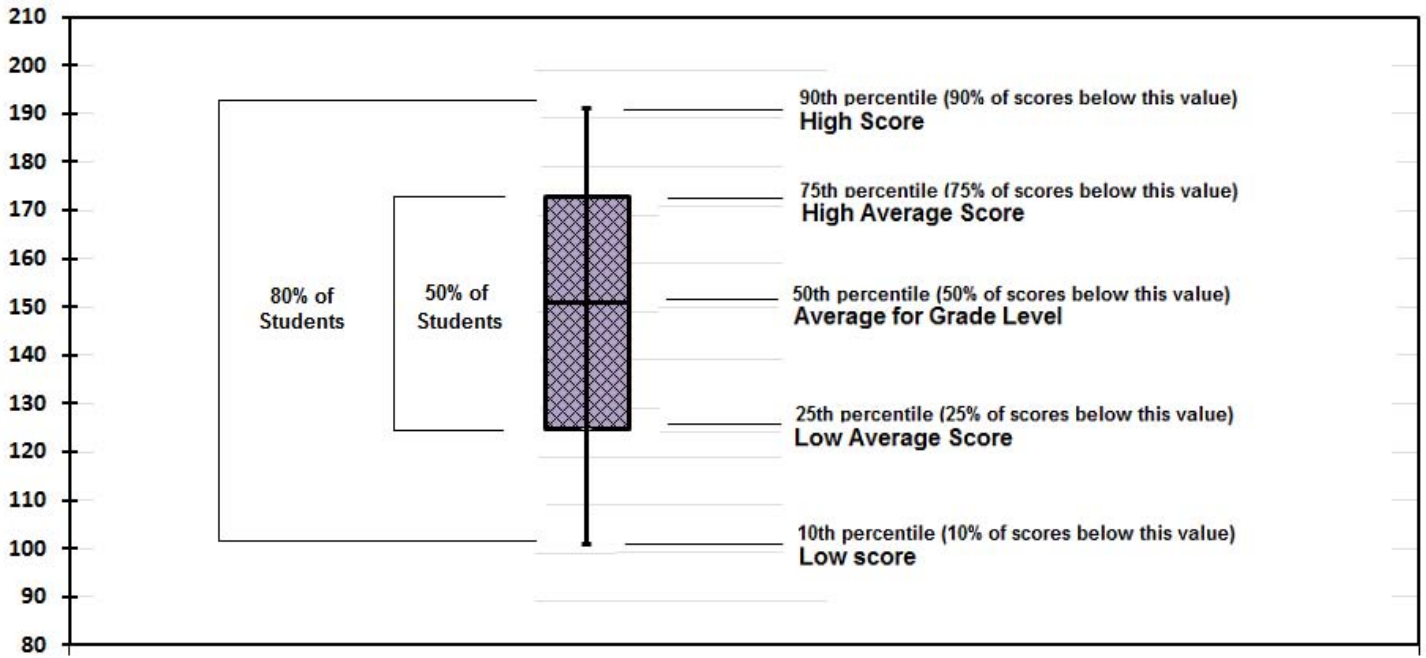
The National Assessment of Educational Progress science assessment used multiple-choice and constructed-response items to examine student knowledge and skills in the earth/space, life and physical sciences. NAEP reports national and state results for the 90th (high), 75th (high average), 50th (average), 25th (low average), and 10th (low) percentiles. NAEP also provides statistical data analysis tools for percentiles on the *NAEP Data Explorer*. Readers who are not familiar with the boxplot display of percentile results used here will find a brief overview on the attached page.



- In earth/space science Idaho's Low Average percentile was significantly higher in 2015 than in 2009, the High percentile was lower but not significantly so, while the Low, Average and High Average were not significantly different.
- In life science, Idaho's Low, Low Average and Average percentiles were significantly higher in 2015 than in 2009, while the High Average and High percentiles were up but not significantly so.
- In physical science, Idaho's Low and Low Average percentiles were significantly higher in 2015 than in 2009, the Average and High Average percentiles were up but not significantly so, while the High percentile was down but not significantly so.

Note: Comparisons based on statistical tests (.05 level) using unrounded numbers that considered the magnitude of difference and standard errors. **Source:** U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2009 and 2015 Science Assessments.

Overview of boxplot display of percentiles



Idaho NAEP Science Strand Percentiles, 2009 vs. 2015, Grade 8

| NAEP Grade 8 | Earth/Space | | Life Science | | Physical Science | |
|-----------------|-------------|------|--------------|------|------------------|------|
| | 2009 | 2015 | 2009 | 2015 | 2009 | 2015 |
| 90th Percentile | 199 | 197 | 198 | 199 | 195 | 194 |
| 75th Percentile | 181 | 181 | 180 | 183 | 177 | 178 |
| 50th Percentile | 161 | 162 | 160 | 163 | 157 | 159 |
| 25th Percentile | 139 | 142 | 137 | 142 | 135 | 139 |
| 10th Percentile | 117 | 121 | 114 | 122 | 112 | 120 |

Notes:

