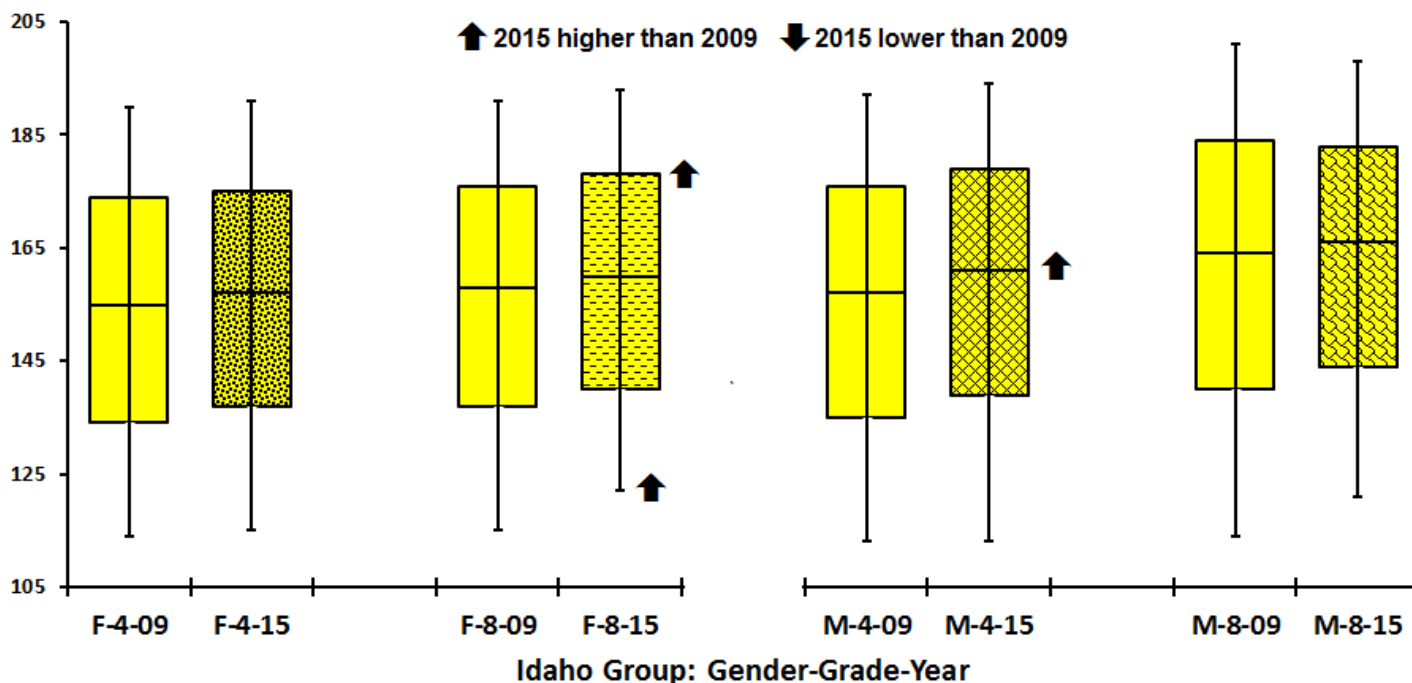


Idaho NAEP Percentiles on the 2015 Science Assessment vs. Idaho NAEP Science Percentiles in 2009, by Gender

The National Assessment of Educational Progress science assessment used multiple-choice and constructed-response items to examine student knowledge and skills in the earth, 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.



Idaho Female Students:

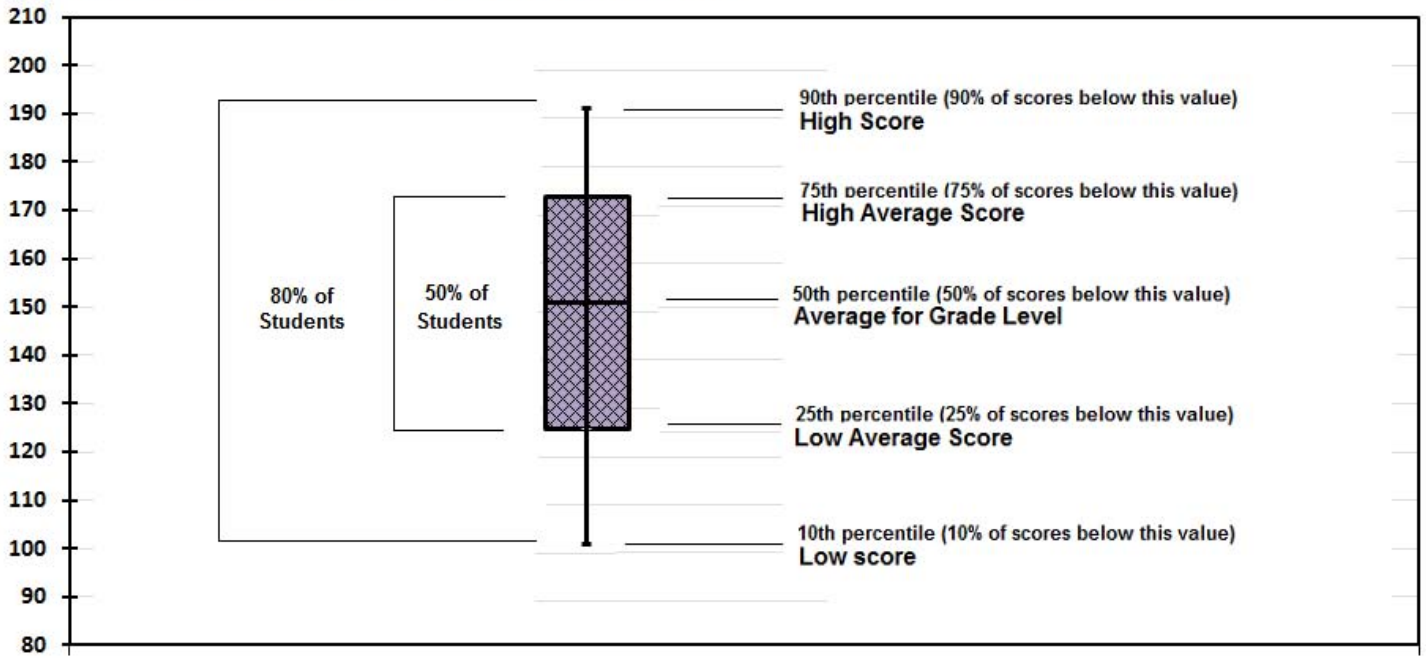
- For grade 4 female students, all five percentiles (High, High Average, Average, Low Average, and Low) were up in 2015 over 2009, but none of the gains was statistically significant.
- For grade 8 female students, gains for the High Average and Low percentiles were significantly significant, but gains for the High, Average and Low Average percentiles were not statistically significant.

Idaho Male Students:

- For grade 4 male students, the Average percentile was statistically higher in 2015 over 2009, but gains for the High, High Average, Low Average and Low percentiles were not statistically significant.
- For grade 8 male students, the High and High Average percentiles were down in 2015 while the Average, Low Average and Low percentiles were up, but none of the changes were statistically significant.

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



NAEP Science Total	Idaho Female Students				Idaho Male Students			
	Grade 4		Grade 8		Grade 4		Grade 8	
	2009	2015	2009	2015	2009	2015	2009	2015
90th Percentile	190	191	191	193	192	194	201	198
75th Percentile	174	175	176	178*	176	179	184	183
50th Percentile	155	157	158	160	157	161*	164	166
25th Percentile	134	137	137	140	135	139	140	144
10th Percentile	114	115	115	122*	113	113	114	121

Notes:

