

# NAEP 2013 – Expanded Summary

## **New Hampshire Students make Significant Gains on the National Assessment of Educational Progress Mathematics and Reading Assessments**

The release of Grades 4 and 8 Mathematics and Reading results for the 2013 National Assessment of Educational Progress (NAEP), often referred to as “the Nation’s Report Card,” given to New Hampshire students last school year reflects the academic gains New Hampshire students have made in the past two years. For both assessments in both grades, the percentage of New Hampshire students demonstrating *Proficiency* on the NAEP assessment increased compared to the previous assessment given in 2011. Along with Massachusetts and Minnesota, New Hampshire grade 4 students, on average, continue to have the highest performance compared to grade 4 students in all other states and jurisdictions throughout the nation on the NAEP Mathematics assessment. For Reading, New Hampshire grade 4 students retained their standing as one of the top-six highest performing states in the nation with no other state having achievement that was statistically higher. For grade 8, New Hampshire students reached achievement levels in both subjects that were significantly higher than the achievement levels from 2011. For Mathematics, New Hampshire grade 8 students are one of the top-five highest performing states in the nation with only Massachusetts having achievement that was statistically higher. For Reading, only two states/jurisdictions - Massachusetts and Department of Defense schools, had higher achievement that was statistically significant compared to New Hampshire’s grade 8 students.

New Hampshire students saw *Average Scale Score and At-or-Above Proficient* increases for both grades in both subjects in 2013 compared to the previous NAEP assessment in 2011. For grade 4, there was a scale score increase of one point in Mathematics from 252 to 253 and a two-percent increase in the percentage of grade 4 students reaching an achievement level of at-or-above proficient. In Reading, grade 4 New Hampshire students had a two point scale score increase from 230 to 232 and a two-percent increase with students achieving at-or-above proficient. For grade 8, New

Hampshire students experience a statistically significant average scale score increase of four points in Mathematics from 292 in 2011 to 296 in 2013 and a three percentage point gain in students achieving at-or-above proficient. For Reading, New Hampshire grade 8 students demonstrated significant growth with a two point average scale score movement from 272 in 2011 to 274 in 2013 and a four-percent increase in the percentage of students reaching an achievement level of at-or-above proficient. For additional NAEP 2013 Mathematics and Reading sub-group results and trend analysis, visit the NH Department of Education NAEP webpage:

[www.education.nh.gov/instruction/assessment/naep/index.htm](http://www.education.nh.gov/instruction/assessment/naep/index.htm).

The National Assessment of Educational Progress is conducted at both the state and the national level. For both grades, 4 and 8, the *Scale Scores* were set ranging from 0 to 500. With respect to achievement levels for the assessment, the *Proficient* level represents solid academic performance with a demonstration of competency of challenging subject matter. For the NAEP 2013 Mathematics assessment, nearly 187,000 grade 4 students and 170,000 grade 8 students were assessed nationwide. In New Hampshire, approximately 3,000 grade 4 students and 2,800 grade 8 students were assessed. For the NAEP 2013 Reading assessment, approximately 190,000 grade 4 students and 172,000 grade 8 students were assessed nationwide. In New Hampshire, approximately 3,100 grade 4 students and 2,800 grade 8 students were assessed. The New Hampshire students sampled from both grades and for both NAEP assessments resembled the actual demographics of the entire New Hampshire student population for both grades.

For questions regarding New Hampshire's NAEP 2013 Mathematics and Reading results, contact Tim Eccleston, New Hampshire's NAEP Program Administrator at (603) 271-2298 or [Timothy.Eccleston@doe.nh.gov](mailto:Timothy.Eccleston@doe.nh.gov). Additional NAEP information can be found at the Nation's Report Card website, <http://www.nces.ed.gov/nationsreportcard>.