

Rhode Island's NECAP Science Results for Grades 4, 8, and 11

May 2012 Test Administration

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EXECUTIVE SUMMARY

Results of the New England Common Assessment Program (NECAP) Science test, administered in May 2012 to students in grades 4, 8, and 11, revealed that at the *state level*,¹ roughly 35 percent of all Rhode Island public school students were proficient or above in science (up 3 percentage points from the May 2011 administration). While there were higher percentages of students in all 3 tested grades who scored in the *Proficient* and *Proficient with Distinction* categories compared to last year's results, only grade 11 had a statistically significant increase (up 6.3 percentage points).

Rhode Island has seen the largest growth in science achievement among all NECAP states since the first administration in 2008. In 2012, Rhode Island's 4th graders were the only students to demonstrate improvement in science proficiency compared to New Hampshire—where students had a 2 percentage point *decrease* in the percent achieving proficiency or above—and to Vermont, where students' scores remained the same as last year. Results indicate, however, that Rhode Island's 4th graders still lag behind their peers in both New Hampshire and Vermont, who maintain a 7 point lead in the percentage of students achieving proficiency or higher. Results at grade 8 indicate that New Hampshire and Vermont students out-perform Rhode Island's 8th graders by 5 and 3 percentage points respectively. At grade 11, the gap between our students and their peers in both New Hampshire and Vermont continues to narrow. This year only 1 percentage point separates 11th graders achieving proficiency or better in all 3 states.

Statewide aggregated results of key student subgroups in grades 4, 8, and 11 indicated that all primary achievement gaps in science are widening with the exception of the gap between students with IEPs and those without IEPs in 4th grade. For these students, the gap essentially stayed the same as last year. The achievement gaps between Black and White students, Hispanic and White students, LEP and non-LEP students, economically disadvantaged and non-economically disadvantaged students, and between students with and without IEPs in grades 8 and 11, all grew *larger* in 2012.

At the *district level*, with all grades combined, 12 districts/charter schools² made statistically significant gains in 2012 compared to last year. Moreover, of these, 11 also made statistically significant gains compared to their historical performance in 2008. When district performance is examined by grade level, 14 districts/charter schools made statistically significant gains in 2012. A total of 33 districts/charter schools have made statistically significant improvement compared to their initial performance during the very first administration of the NECAP Science Assessment in 2008.

At the *school level*, 4 elementary schools demonstrated statistically significant gains while only 1 had statistically significant losses compared last year's results. At the middle school level, 5 schools had statistically significant gains in 2012 and 2 schools had statistically significant losses while at the high school level, 9 schools had statistically significant gains in 2012 and no schools had significant losses. A total of 69 schools have made statistically significant improvement compared to their 2008 performance.

Overall, while there were some notable increases in the percentage of students who scored at or above proficient on the NECAP Science assessment in a few student groups and at a number of Rhode Island schools and districts, there is still much work to be done across the state in order to increase student achievement in the area of science.

¹ All grades combined for a single aggregated result.

² In Rhode Island, a charter school is a local education agency (LEA) and therefore equivalent to a district.

STATE-LEVEL RESULTS

QUESTION 1:

How did students in Rhode Island perform statewide on the NECAP Science assessment?

RESPONSE:

At the *state level*, roughly 35 percent of all Rhode Island public school students were proficient or above in science (up 3 percentage points from the previous administration in May 2011). While there were higher percentages of students in all 3 tested grades (4th, 8th, and 11th) who scored in the *Proficient* and *Proficient with Distinction* categories compared to last year's results, only grade 11 had a *statistically significant*³ increase (up 6.3 percentage points) in the percent of students achieving proficiency or above.

In 4th grade approximately 46 percent of students were proficient or above in science, representing a 2 percentage point gain in the percent of students achieving proficiency or better increase compared to last year's results. This increase, however, was *not* statistically significant. In Grade 8, about 27 percent of students were at or above proficient, which represents a 2 percentage point gain although this increase was also *not* statistically significant. Grade 11 had the largest statistically significant increase (+6.3 percentage points) compared to last year, with 32 percent of students across the state scoring at or above proficient in science. A comparison of all three grades over time since 2008 demonstrates that 8th grade students have had the *least* amount of gains in science proficiency. In 2012, the percent of 8th graders achieving proficiency or better is about 8 percentage points higher compared to 2008 whereas the percent of 4th graders is roughly 11 percentage points higher and for 11th graders—with 32% in 2012 vs. 16.4 in 2008—the percent of students achieving proficiency or better has nearly doubled (see Table 1 and Figure 1).

SUPPORTING DATA:

Statewide performance on the NECAP Science Assessment is shown below in Tables 1 through 9 and in Figures 1 through 8.

³ See Appendix B for a detailed explanation of how statistical significance is calculated.

Table 1. NECAP Science Statewide Results by Achievement Level: 2008-2012.

Grade	2008					2009					2010					2011					2012					Difference in Total % Proficient: 2011-2012	Difference in Total % Proficient: 2008-2012					
	% SBP	% PP	% P	% PwD	Total % Prof.	SE	% SBP	% PP	% P	% PwD	Total % Prof.	SE	% SBP	% PP	% P	% PwD	Total % Prof.	SE	% SBP	% PP	% P	% PwD	Total % Prof.	SE	% SBP			% PP	% P	% PwD	Total % Prof.	SE
ALL	33.1	43.1	23.1	.8	23.8	.2	31.4	43.4	24.7	.5	25.2	.2	28.0	43.3	27.9	.9	28.8	.3	24.0	44.3	30.5	1.2	31.7	.3	23.4	41.8	33.0	1.8	34.8	.3	3.1	11.0
4th	21.8	41.8	35.2	1.2	36.4	.5	19.9	39.9	39.9	.3	40.3	.5	20.0	35.9	42.8	1.3	44.1	.5	18.3	38.0	42.3	1.4	43.7	.5	18.8	35.7	44.1	1.5	45.5	.5	1.8	9.1
8th	38.0	43.3	18.3	.4	18.7	.4	37.6	44.9	17.1	.4	17.6	.4	31.2	46.2	22.2	.4	22.6	.4	28.7	45.9	24.4	1.0	25.4	.4	28.4	44.7	25.5	1.4	26.9	.4	1.5	8.2
11th	39.3	44.3	15.7	.7	16.4	.4	35.5	45.0	18.8	.7	19.4	.4	32.3	47.2	19.5	1.0	20.5	.4	25.0	49.4	24.6	1.0	25.7	.4	22.7	45.3	29.4	2.6	32.0	.5	6.3	15.6

Key (see Appendix A for performance level descriptors)

SBP = Substantially Below Proficient

PP = Partially Proficient

P = Proficient

PwD = Proficient with Distinction

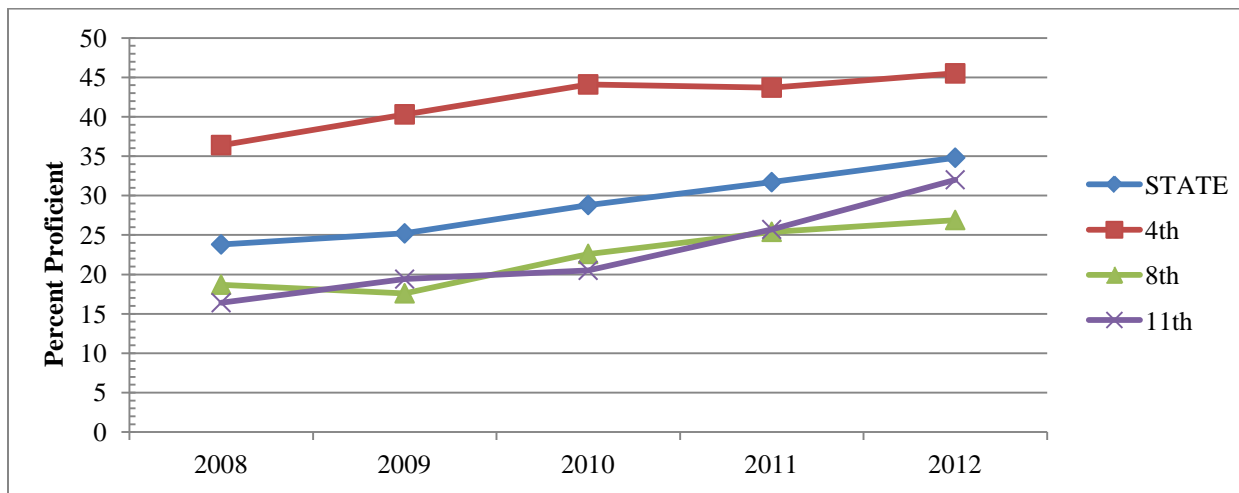
SE = Standard error (see Appendix B)

■ = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results

■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results

= No statistically significant difference from 2011 to 2012 results

Figure 1. NECAP Science Statewide Results: 2008-2012 Grade-Level Comparisons.



QUESTION 2:

How are students in Rhode Island performing on the NECAP Science assessment compared to students in New Hampshire and Vermont?

RESPONSE:

Rhode Island has seen the largest growth in science achievement among all NECAP states since the first administration in 2008 (see Tables 2-4). In 2012, Rhode Island's 4th graders were the only students to demonstrate improvement in science proficiency compared to New Hampshire—where students had a 2 percentage point *decrease* in the percent achieving proficiency or above—and to Vermont, where students' scores remained the same as last year. Results indicate, however, that Rhode Island's 4th graders still lag behind their peers in both New Hampshire and Vermont, who maintain a 7 point lead in the percentage of students achieving proficiency or higher. Results at grade 8 indicate that New Hampshire and Vermont students out-perform Rhode Island's 8th graders by 5 and 3 percentage points respectively. At grade 11, the gap between our students and their peers in both New Hampshire and Vermont continues to narrow. This year only 1 percentage point separates 11th graders achieving proficiency or better in all 3 states.

SUPPORTING DATA:

The state-by-state comparisons are shown below in Tables 2, 3, and 4.

Table 2. 2008 to 2012 percent⁴ of 4th grade students at/above *Proficient*: Results by state.⁵

Testing Year	Grade 4		
	<i>Rhode Island</i>	<i>New Hampshire</i>	<i>Vermont</i>
2008	36	51	48
2009	40	53	52
2010	44	54	54
2011	44	55	53
2012	46	53	53
2008-2012 Change	+10	+2	+5

Table 3. 2008 to 2012 percent⁶ of 8th grade students at/above *Proficient*: Results by state.⁷

Testing Year	Grade 8		
	<i>Rhode Island</i>	<i>New Hampshire</i>	<i>Vermont</i>
2008	18	26	27
2009	18	24	25
2010	23	27	29
2011	25	28	29
2012	27	32	30
2008-2012 Change	+9	+6	+3

Table 4. 2008 to 2012 percent⁸ of 11th grade students at/above *Proficient*: Results by state.⁹

Testing Year	Grade 11		
	<i>Rhode Island</i>	<i>New Hampshire</i>	<i>Vermont</i>
2008	17	22	25
2009	19	24	27
2010	21	24	28
2011	26	27	31
2012	32	33	33
2008-2012 Change	+15	+11	+8

⁴ All percentages have been rounded to the nearest whole number.⁵ Maine does not administer the NECAP Science assessment.⁶ All percentages have been rounded to the nearest whole number.⁷ Maine does not administer the NECAP Science assessment.⁸ All percentages have been rounded to the nearest whole number.⁹ Maine does not administer the NECAP Science assessment.

QUESTION 3:

How did specific student subgroups perform on the NECAP Science assessment?

RESPONSE:

Statewide aggregated results of key student subgroups in grades 4, 8, and 11 indicated that all primary achievement gaps in science are widening with the exception of the gap between 4th grade students with IEPs and those without IEPs. For these students, the gap essentially stayed the same compared to last year (see Table 7). The achievement gaps between Black and White students, Hispanic and White students, LEP and non-LEP students, Economically disadvantaged and non-economically disadvantaged students, and between students with and without IEPs in grades 8 and 11, all grew *larger* in 2012 (see Tables 6-9). It bears noting that while these gaps remain statistically significant this year, there were a few groups with statistically significant gains in the percentage of students achieving proficiency or better in science. These include economically disadvantaged students in grades 8 and 11 (+1.8 and +4.3 percentage points respectively), LEP “monitored” students¹⁰ in grade 11 (+9.4 percentage points), and Asian students in 11th grade (+11.2 percentage points). See Table 5 for details.

SUPPORTING DATA:

Table 5 provides an overview of key student subgroup performances on the NECAP Science test. The achievement gap in science for some selected student groups are shown below in Tables 6 through 9. Figures 2 through 8 provide graphical displays of the achievement gaps.

Table 5. Statewide Group Performance on NECAP Science Assessment: 2009 to 2012

Group	4 th Grade					8 th Grade					11 th Grade				
	2009	2010	2011	2012	Diff. 2011-2012	2009	2010	2011	2012	Diff. 2011-2012	2009	2010	2011	2012	Diff. 2011-2012
State Average	40.3	44.1	43.7	45.5	1.8	17.6	22.6	25.4	26.9	1.5	19.4	20.5	25.7	32.0	6.3
Males	39.5	44.3	42.4	44.3	1.9	18.7	22.8	26.1	27.3	1.2	20.1	21.1	26.1	32.6	6.5
Females	41.1	43.9	45.2	47.0	1.8	16.3	22.3	24.7	26.5	1.8	18.8	19.9	25.2	31.5	6.3
IEP	16.1	14.7	11.3	14.2	2.8	3.6	3.8	4.5	3.9	-0.7	2.9	2.5	5.0	5.7	0.6
Non-IEP	44.8	49.0	48.0	50.4	2.4	20.5	26.4	28.9	31.2	2.4	22.0	23.6	28.6	36.3	7.7
LEP	5.7	6.8	7.1	7.7	0.6	0.0	1.5	0.8	1.5	0.8	0.4	0.8	1.7	1.9	0.3
LEP Monitored	19.2	18.0	22.7	24.2	1.5	2.6	4.4	2.8	4.5	1.7	1.2	0.0	1.5	10.9	9.4
Non-LEP	42.8	47.3	47.1	49.0	1.9	18.3	23.6	26.7	28.4	1.8	20.0	21.1	26.6	33.3	6.7
Econ. Disadvantaged	18.8	24.8	25.3	26.7	1.3	5.6	7.4	9.2	11.0	1.8	6.3	7.6	10.6	14.9	4.3
Non-Econ. Disadv.	56.3	61.4	61.0	64.1	3.1	25.5	33.7	38.5	41.0	2.5	25.3	27.4	34.3	42.4	8.0
American Indian	20.3	24.2	27.0	24.3	-2.7	4.3	15.0	13.1	8.3	-4.8	10.5	11.1	14.9	22.5	7.6
Asian	37.3	49.6	46.7	44.0	-2.7	18.7	26.4	36.5	29.5	-7.0	21.3	28.2	26.0	37.2	11.2
Black	17.3	18.9	22.1	22.1	0.0	3.7	5.6	8.2	8.3	0.1	4.4	4.5	7.2	10.1	2.9
Hispanic	14.8	18.2	19.6	20.5	0.9	3.0	5.1	6.5	7.2	0.7	4.5	5.7	7.5	10.6	3.2
White	50.3	55.3	55.6	58.0	2.4	23.0	29.2	33.4	36.0	2.6	24.4	25.5	32.6	39.9	7.3

Key

- = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results
- = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results
- = No statistically significant difference from 2011 to 2012 results

¹⁰ Students who previously received LEP services.

Figure 2. NECAP Science: Rhode Island State Proficiency Rates by Race/Ethnicity.

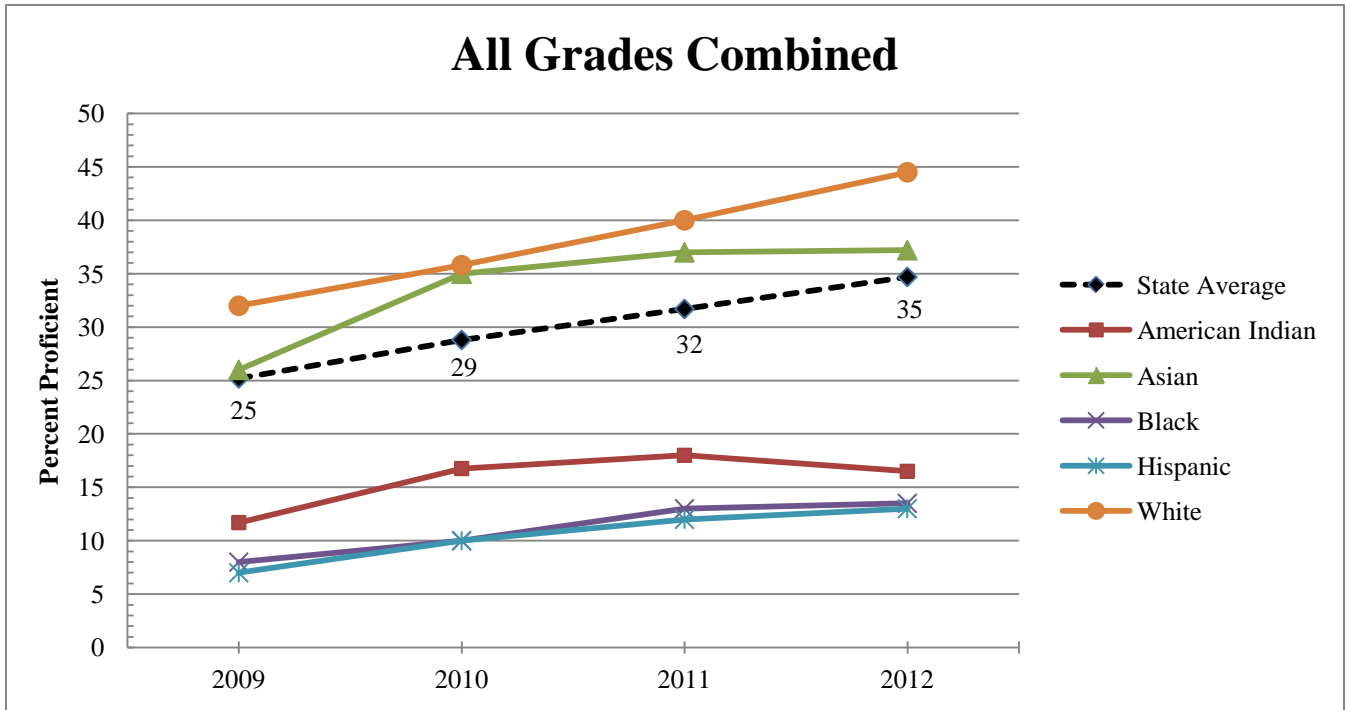


Figure 3. NECAP Science 4th grade proficiency rates by race/ethnicity.

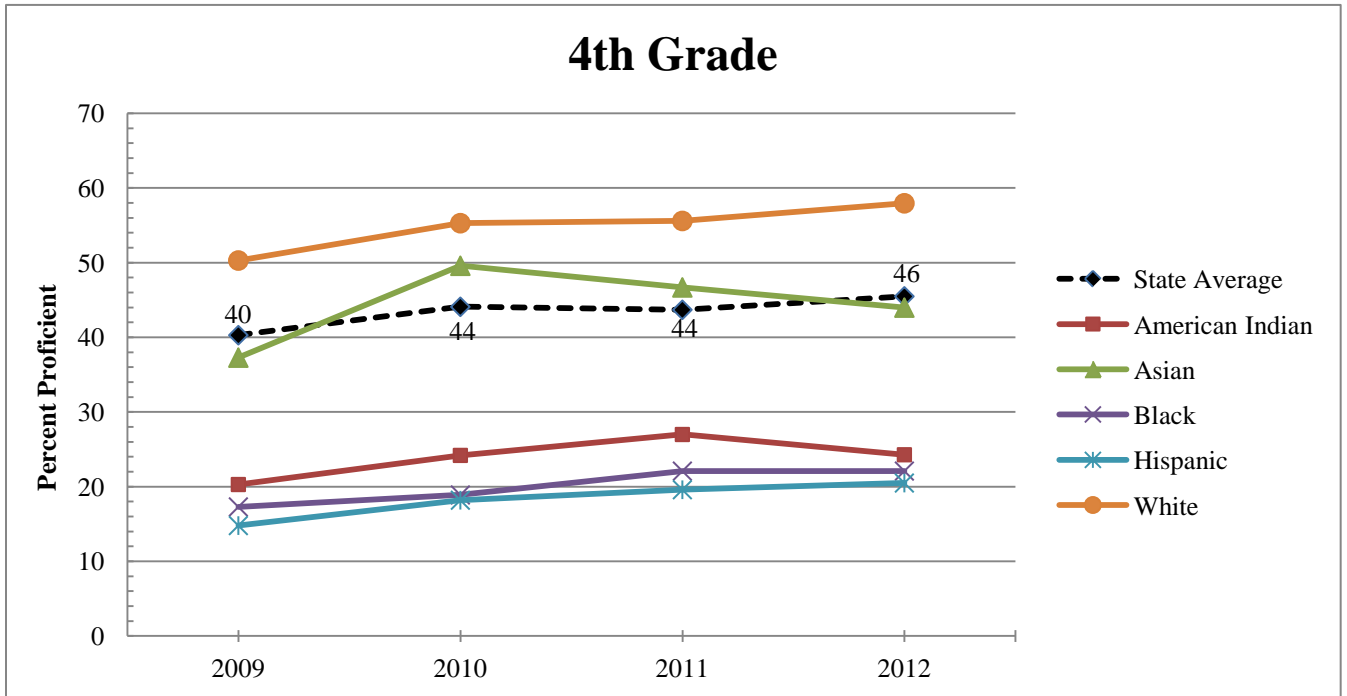


Figure 4. NECAP Science 8th grade proficiency rates by race/ethnicity.

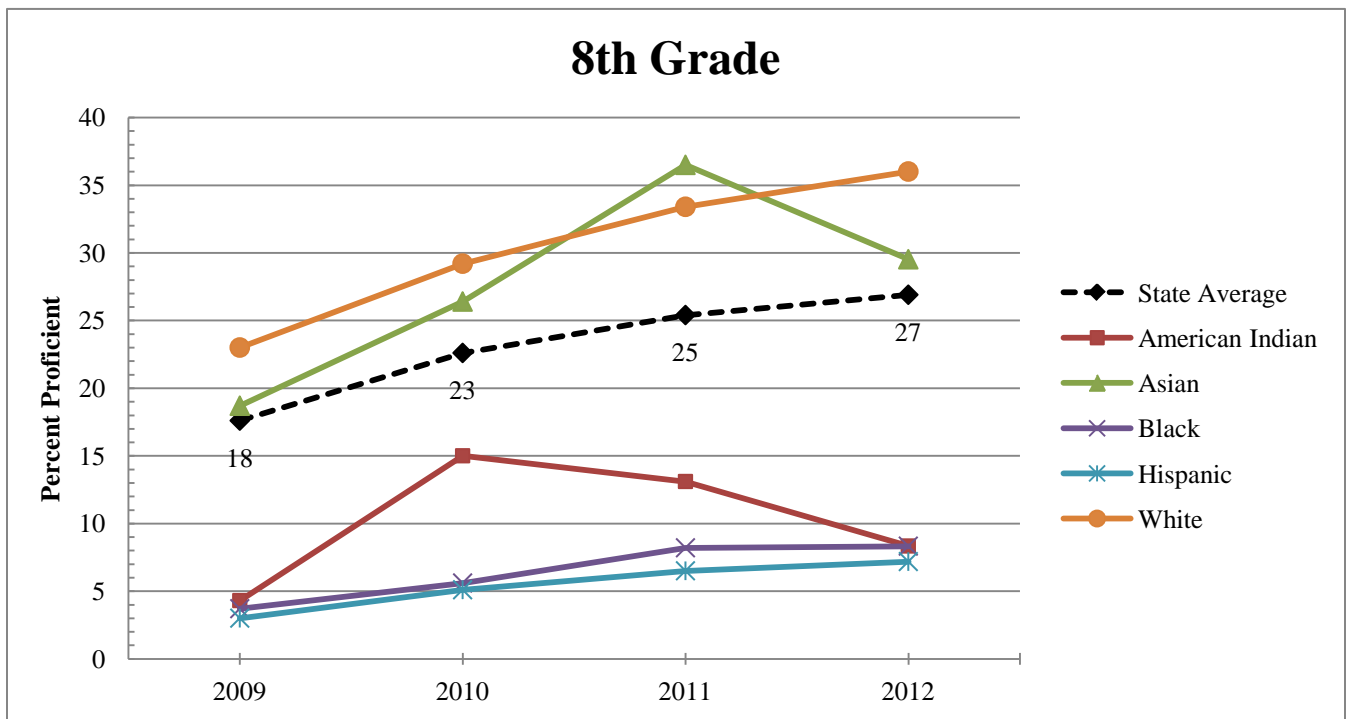


Figure 5. NECAP Science 11th grade proficiency rates by race/ethnicity.

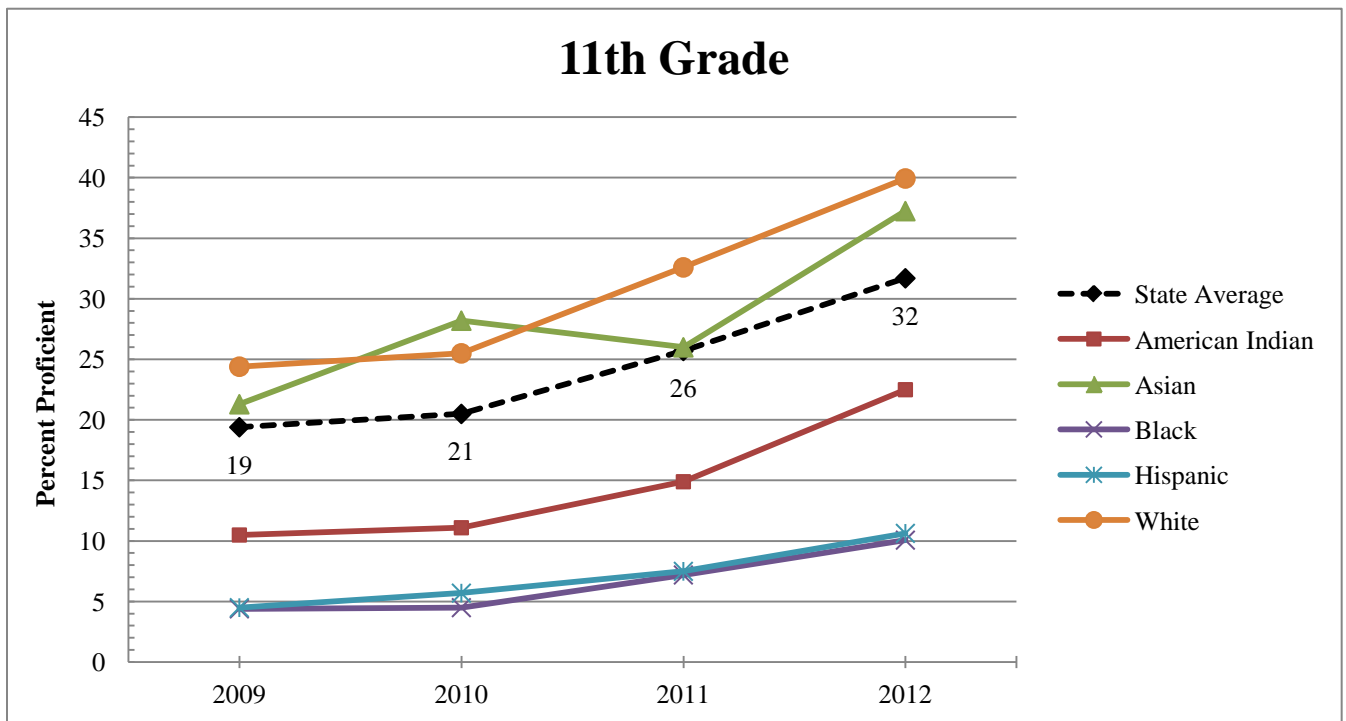


Figure 6. NECAP Science 4th grade proficiency rates by group: IEP, LEP, LEP Monitored, and Economically Disadvantaged.

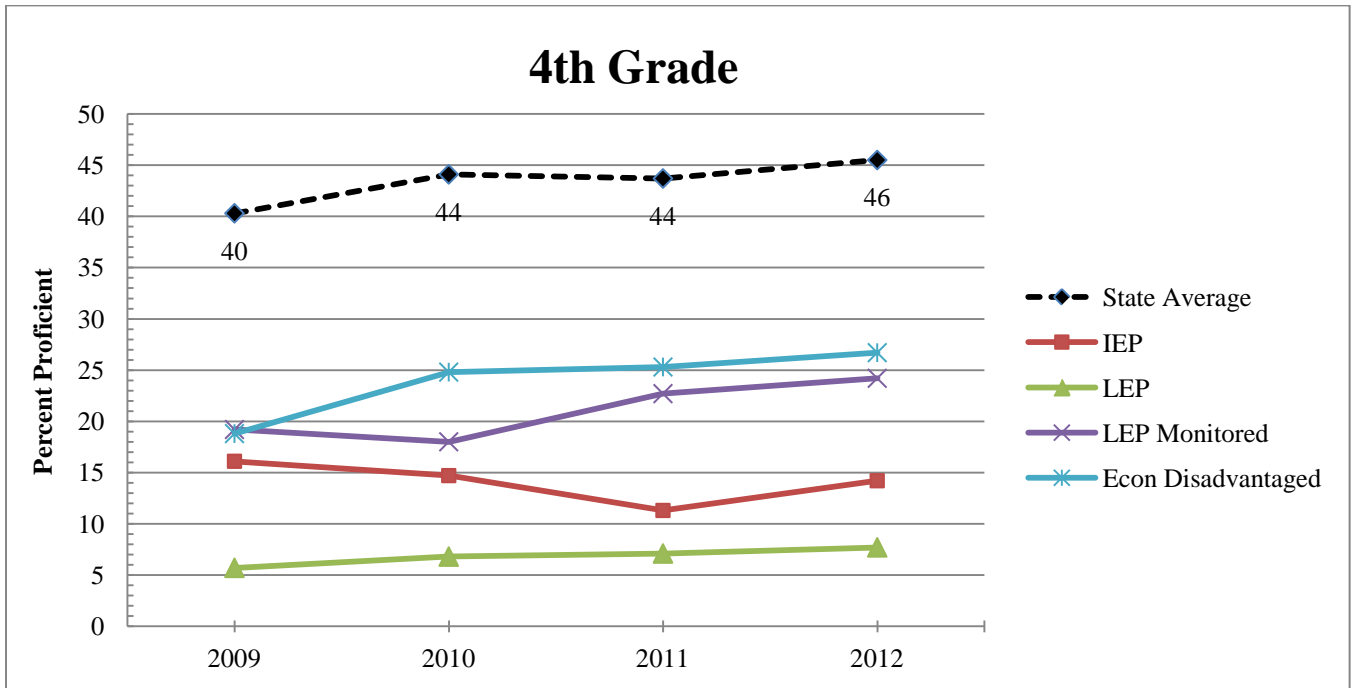


Figure 7. NECAP Science 8th grade proficiency rates by group: IEP, LEP, LEP Monitored, and Economically Disadvantaged.

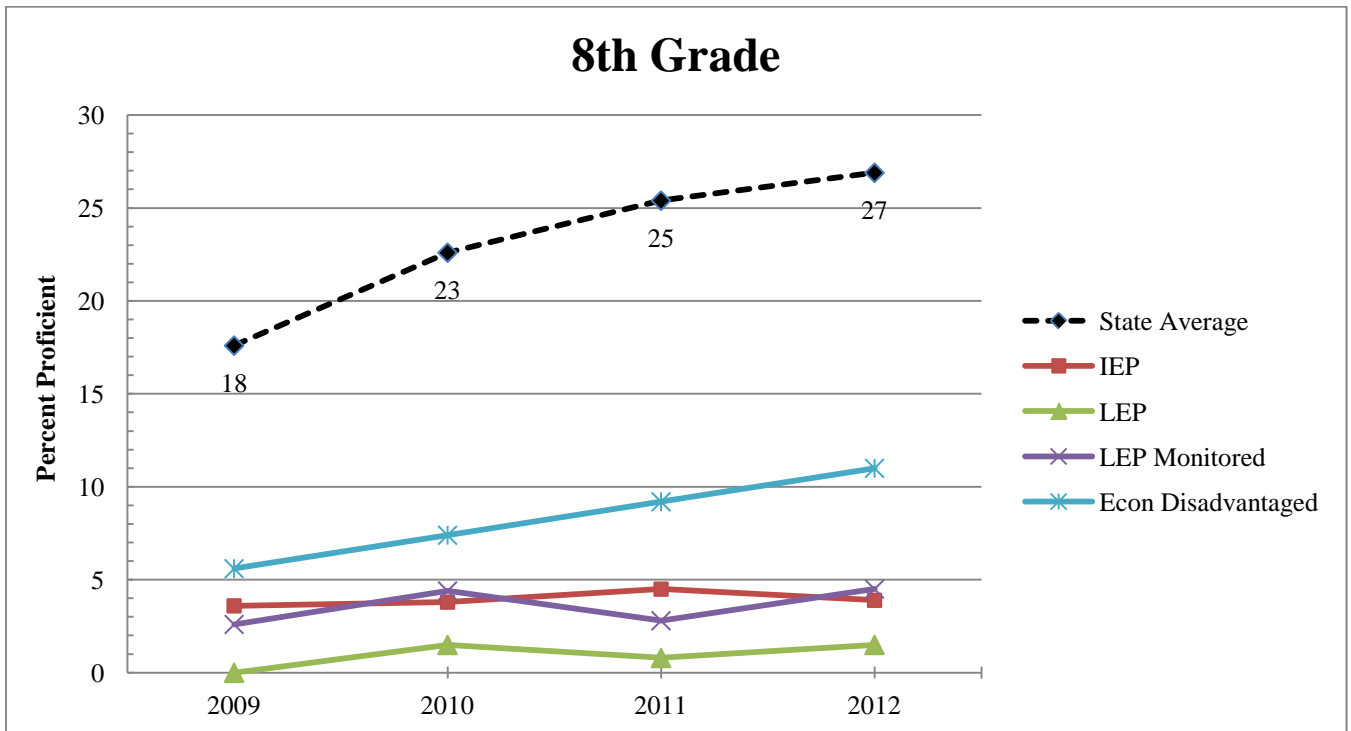
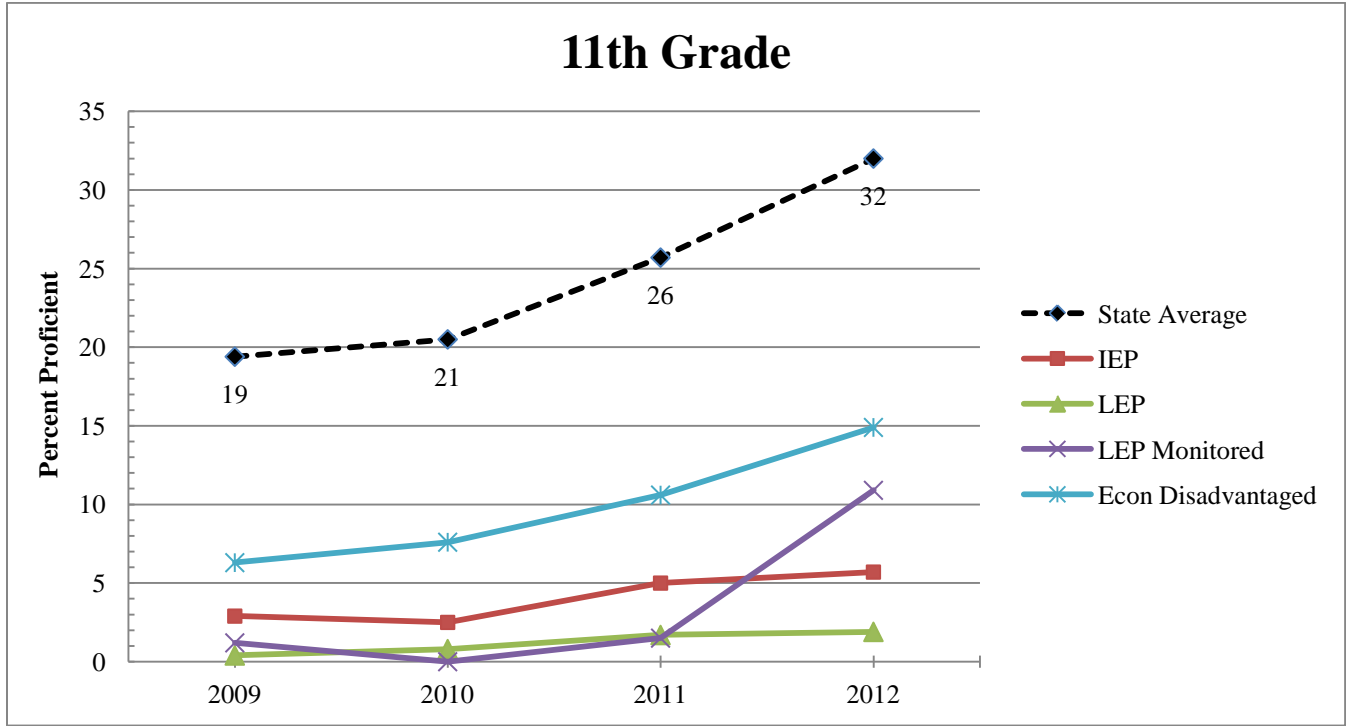


Figure 8. NECAP Science 11th grade proficiency rates by group: IEP, LEP, LEP Monitored, and Economically Disadvantaged.



SCIENCE ACHIEVEMENT GAP DATA:

Table 6. Science Achievement Gap: White Students vs. Black or Hispanic Students.

Student Group	4 th Grade				8 th Grade				11 th Grade				ALL Grades Combined			
	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap
White Students*	58.0	.6	-	-	36.0	.5	-	-	39.9	.5	-	-	44.5	.3	-	-
Black Students	22.1	1.4	35.9	33.5	8.3	.9	27.7	25.2	10.1	.9	29.9	25.4	13.5	.7	31.0	27.6
Hispanic Students	20.5	.8	37.5	36.0	7.2	.5	28.8	26.9	10.6	.6	29.3	25.1	13.0	.4	31.4	28.6

Key

- * = Group to which Black Students and Hispanic Students are being compared to determine gap.
- SE = Standard error (see Appendix B)
- = Statistically significant *gap* between Black vs. White students and Hispanic vs. White students in the percentage who scored proficient or above on the NECAP Science test.

Table 7. Science Achievement Gap: Students *without* IEPs vs. Students *with* IEPs.

Student Group	4 th Grade				8 th Grade				11 th Grade				ALL Grades Combined			
	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap
Students w/o IEPs*	50.4	.5	-	-	31.2	.5	-	-	36.3	.5	-	-	39.4	.3	-	-
Students w/IEPs	14.2	.8	36.2	36.6	3.9	.5	27.4	24.3	5.7	.6	30.6	23.6	7.7	.4	31.7	28.5

Key

* = Group to which Students with IEPs are being compared to determine gap

SE = Standard error (see Appendix B)

■ = Statistically significant *gap* between students with IEPs and students without IEPs in the percentage who scored proficient or above on the NECAP Science test.**Table 8. Science Achievement Gap: Non-LEP Students vs. LEP Students.**

Student Group	4 th Grade				8 th Grade				11 th Grade				ALL Grades Combined			
	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap
Non-LEP Students*	49.0	.5	-	-	28.4	.4	-	-	33.3	.4	-	-	36.8	.3	-	-
LEP Students	7.7	1.0	41.3	40.0	1.5	.4	26.9	25.9	1.9	.7	31.3	24.9	4.4	.5	32.4	29.1

Key

* = Group to which LEP Students are being compared to determine gap

SE = Standard error (see Appendix B)

■ = Statistically significant *gap* between LEP students and non-LEP students in the percentage who scored proficient or above on the NECAP Science test.**Table 9. Science Achievement Gap: Non-Economically Disadvantaged vs. Economically Disadvantaged Students.**

Student Group	4 th Grade				8 th Grade				11 th Grade				ALL Grades Combined			
	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap	% prof.	SE	2012 Gap	2011 Gap
Non-Econ. Disadv.*	64.1	.6	-	-	41.0	.6	-	-	42.4	.6	-	-	48.7	.4	-	-
Econ. Disadvantaged	26.7	.6	37.5	35.6	11.0	.4	30.1	29.3	14.9	.5	27.5	23.7	17.9	.3	30.8	28.3

Key

* = Group to which Economically Disadvantaged Students are being compared to determine gap

SE = Standard error (see Appendix B)

■ = Statistically significant *gap* between economically disadvantaged students and non-economically disadvantaged students in the percentage who scored proficient or above on the NECAP Science test.

DISTRICT RESULTS

QUESTION:

How did public school districts in RI perform on the NECAP Science Assessment?

RESPONSE:

At the *district level*, with all grades combined, 12 districts/charter schools¹¹ (Barrington, Bristol Warren, Chariho, Cranston, Cumberland, East Providence, Exeter-West Greenwich, Narragansett, North Smithfield, Paul Cuffee, Warwick, and William M. Davies Jr. Career & Tech.) made statistically significant gains in 2012 compared to last year (see table 10). Moreover, of these 12, 11 (all except Paul Cuffee) also had statistically gains compared to how they did in 2008. When district performance is examined by grade level, 14 districts/charter schools (Barrington, Bristol Warren, Chariho, Cranston, East Providence, Lincoln, Narragansett, Newport, North Kingstown, North Smithfield, Paul Cuffee, Providence, William M. Davies Jr. Career & Tech., and Woonsocket) made statistically significant gains in 2012 (see Table 11). Of these 14, 11 had statistically significant gains this year as well as compared to their 2008 performance (see table 12). Of these 11, only Bristol Warren had gains in more than one grade level, with higher percentages of students achieving proficiency or higher in both 4th and 8th grades. While other changes from 2011 to 2012 performance in all other districts/charter schools were not considered statistically significant, it bears noting that a total of 33 districts/charter schools have made statistically significant improvement compared to their initial performance during the very first administration of the NECAP Science Assessment back in 2008 (see Tables 13, 14, and 15 for details).

SUPPORTING DATA:

Table 10 presents the districts that made statistically significant progress—all grades combined—from 2011 to 2012 and from 2008 to 2012. Table 11 presents districts that made statistically significant progress—all grades combined—from 2011 to 2012 and Table 12 presents districts that made statistically significant progress in one or more grade levels from 2011 to 2012 from 2008 to 2012. Tables 13 through 15 present district results by grade while Figures 8 through 10 provide graphs of these results.

¹¹ In Rhode Island, a charter school is a local education agency (LEA) and therefore equivalent to a district.

Table 10. Districts that made significant progress—all grade levels combined—from 2011 to 2012.

District/Charter School	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011-2012	Diff. 2008-2012
Barrington	855	63.3	1.6	772	72.3	1.6	9	9.3
Beacon Charter School	43	27.9	6.8	56	44.6	6.6	16.7	39.9
Blackstone Academy Charter School	38	15.8	5.9	41	19.5	6.2	3.7	16.8
Bristol Warren	761	36	1.7	766	47.9	1.8	11.9	19.9
Burrillville	558	34.6	2	547	38.6	2.1	4	12.7
Central Falls	668	9.6	1.1	625	9.9	1.2	0.3	2.7
Chariho	800	49.8	1.8	762	57.6	1.8	7.9	23.1
Coventry	1224	41.5	1.4	1180	44.7	1.4	3.2	14.1
Cranston	2490	33.9	0.9	2445	37.9	1	4	11.5
Cumberland	1129	38.4	1.4	1096	44.7	1.5	6.3	18.1
DCYF	16	-	-	14	-	-	-	-
East Greenwich	585	64.3	2	560	64.1	2	-0.2	17.2
East Providence	1256	28.1	1.3	1193	35.5	1.4	7.4	17.3
Exeter-West Greenwich	427	41.2	2.4	406	51.5	2.5	10.3	21.3
Foster	55	67.3	6.3	43	44.2	7.6	-23.1	-12.0
Foster-Glocester	365	31.2	2.4	363	34.4	2.5	3.2	18.0
Glocester	111	58.6	4.7	105	47.6	4.9	-10.9	-2.4
Highlander Charter School	72	15.3	4.2	53	20.8	5.6	5.5	8.5
International Charter School	50	46	7	54	29.6	6.2	-16.4	19.4
Jamestown	86	68.6	5	111	62.2	4.6	-6.4	26.9
Johnston	647	36.3	1.9	724	37.8	1.8	1.5	7.7
Kingston Hill Academy	21	81	8.6	21	76.2	9.3	-4.8	28.6
Lincoln	803	44	1.8	752	47.1	1.8	3.1	13.6
Little Compton	63	49.2	6.3	77	58.4	5.6	9.2	23.7
Metropolitan Regional Career	123	6.5	2.2	207	3.9	1.3	-2.6	1.3
Middletown	537	39.3	2.1	543	39.2	2.1	-0.1	8.6
Narragansett	370	48.4	2.6	303	59.1	2.8	10.7	25.4
New Shoreham	34	41.2	8.4	24	62.5	9.9	21.3	14.2
Newport	400	24	2.1	456	28.7	2.1	4.7	7.1
North Kingstown	1018	47.7	1.6	1040	52.4	1.5	4.7	15.7
North Providence	739	22.2	1.5	753	27.1	1.6	4.9	10.7
North Smithfield	404	38.4	2.4	414	50	2.5	11.6	19.1
Paul Cuffee Charter School	106	17.9	3.7	111	37.8	4.6	19.9	16.9
Pawtucket	1851	14	0.8	1809	14.8	0.8	0.8	3.6
Portsmouth	650	51.8	2	605	58.8	2	7	20.3
Providence	4772	10.4	0.4	4838	12	0.5	1.6	6.7
Rhode Island School for the Deaf	18	-	-	8	-	-	-	-
RI Nurses Institute	n/a	n/a	n/a	65	12.3	4.1	n/a	n/a
Scituate	366	50.8	2.6	384	51	2.6	0.2	13.2
Segue Institute for Learning	n/a	n/a	n/a	57	5.3	3	n/a	n/a
Smithfield	563	56	2.1	580	53.8	2.1	-2.2	10.6
South Kingstown	785	58.9	1.8	809	55.6	1.7	-3.2	12.1
The Compass School	31	61.3	8.7	37	73	7.3	11.7	19.4
The Greene School	n/a	n/a	n/a	39	48.7	8	n/a	n/a
The Learning Community Charter	61	27.9	5.7	100	20	4	-7.9	-2.5
Tiverton	425	37.6	2.4	470	40.9	2.3	3.2	9.1
Trinity Academy	n/a	n/a	n/a	34	8.8	4.9	n/a	n/a
UCAP	70	-	-	63	1.6	1.6	-	-
Warwick	2352	26.6	0.9	2238	30.4	1	3.8	6.2
West Warwick	754	22.3	1.5	721	25	1.6	2.7	7.2
Westerly	723	49.1	1.9	666	52.1	1.9	3	21.0
Wm. M. Davies Jr. Career-Tech School	184	13	2.5	168	27.4	3.4	14.3	24.2
Woonsocket	1252	14.4	1	1264	15.7	1	1.3	5.4

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

□ = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results

- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation)

n/a = Data not available

Table 11. Districts that made significant progress—all grade levels combined—from 2011 to 2012 and from 2008 to 2012.

District/Charter School	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011-2012	Diff. 2008-2012
Barrington	855	63.3	1.6	772	72.3	1.6	9	9.28
Bristol Warren	761	36	1.7	766	47.9	1.8	11.9	19.94
Chariho	800	49.8	1.8	762	57.6	1.8	7.9	23.07
Cranston	2490	33.9	0.9	2445	37.9	1	4	11.53
Cumberland	1129	38.4	1.4	1096	44.7	1.5	6.3	18.13
East Providence	1256	28.1	1.3	1193	35.5	1.4	7.4	17.28
Exeter-West Greenwich	427	41.2	2.4	406	51.5	2.5	10.3	21.33
Narragansett	370	48.4	2.6	303	59.1	2.8	10.7	25.44
North Smithfield	404	38.4	2.4	414	50	2.5	11.6	19.14
Warwick	2352	26.6	0.9	2238	30.4	1	3.8	6.24
Wm. M. Davies Jr. Career-Tech. Academy	184	13	2.5	168	27.4	3.4	14.3	24.2

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results *and* from 2008 to 2012 results**Table 12. Districts that made significant progress in one or more grade levels from 2011 to 2012 and from 2008 to 2012.**

District/Charter School	Grade Level	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011-2012	Diff. 2008-2012
Bristol Warren	4 th	257	46.3	3.1	249	62.2	3.1	15.9	15.6
	8 th	258	25.2	2.7	276	40.9	3.0	15.7	21.8
Chariho	8 th	275	34.9	2.9	245	54.3	3.2	19.4	24.3
Woonsocket	8 th	452	4.9	1.0	473	9.5	1.3	4.6	7.0
Cranston	11 th	828	23.9	1.5	799	30.5	1.6	6.6	16.7
East Providence	11 th	412	28.2	2.2	372	43.0	2.6	14.9	34.8
Lincoln	11 th	232	30.6	3.0	223	48.9	3.3	18.3	23.2
Narragansett	11 th	129	41.1	4.3	123	60.2	4.4	19.1	33.2
North Kingstown	11 th	399	29.3	2.3	372	40.9	2.5	11.5	14.8
North Smithfield	11 th	123	25.2	3.9	132	50.0	4.4	24.8	22.5
Providence	11 th	1383	7.4	.7	1309	11.2	.9	3.8	6.6
Wm. M. Davies Jr. Career-Tech. Academy	11 th	184	13.0	2.5	168	27.4	3.4	14.3	24.2

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results *and* from 2008 to 2012 results

Table 13. Percent of students at/above “proficient” in science by district: 4th Grade

District / Charter School	2008			2009			2010			2011			2012			Diff. 2011- 2012	Diff. 2008- 2012
	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE		
Barrington	245	70.2	2.9	236	76.3	2.8	286	73.8	2.6	266	64.7	2.9	285	77.5	2.5	12.9	7.3
Bristol Warren	253	46.6	3.1	218	45.4	3.4	236	52.1	3.3	257	46.3	3.1	249	62.2	3.1	15.9	15.6
Burrillville	166	39.8	3.8	166	39.8	3.8	192	39.1	3.5	198	54.0	3.5	206	49.0	3.5	-5.0	9.3
Central Falls	264	15.2	2.2	203	15.3	2.5	222	22.1	2.8	223	20.6	2.7	242	10.3	2.0	-10.3	-4.8
Charlho	266	54.1	3.1	273	51.6	3.0	245	73.9	2.8	245	80.4	2.5	247	73.3	2.8	-7.1	19.1
Coventry	413	46.2	2.5	364	46.7	2.6	400	60.8	2.4	390	55.6	2.5	387	62.5	2.5	6.9	16.3
Cranston	781	50.3	1.8	722	48.9	1.9	760	50.8	1.8	855	51.6	1.7	853	51.9	1.7	.4	1.6
Cumberland	372	40.1	2.5	370	44.9	2.6	309	46.0	2.8	399	51.9	2.5	387	57.6	2.5	5.7	17.6
East Greenwich	200	58.0	3.5	146	70.5	3.8	184	76.6	3.1	189	79.9	2.9	170	77.1	3.2	-2.8	19.1
East Providence	456	35.7	2.2	328	38.7	2.7	411	41.6	2.4	423	34.5	2.3	386	42.2	2.5	7.7	6.5
Exeter-W. Greenwich	136	36.8	4.1	138	53.6	4.2	130	48.5	4.4	132	45.5	4.3	132	59.1	4.3	13.6	22.3
Foster	57	56.1	6.6	35	62.9	8.2	44	59.1	7.4	55	67.3	6.3	43	44.2	7.6	-23.1	-12.0
Glocester	130	50.0	4.4	96	46.9	5.1	101	60.4	4.9	111	58.6	4.7	105	47.6	4.9	-10.9	-2.4
Highlander Charter	17	23.5	10.3	18	16.7	8.8	36	8.3	4.6	36	22.2	6.9	36	13.9	5.8	-8.3	-9.6
International Charter	49	10.2	4.3	49	22.4	6.0	47	21.3	6.0	50	46.0	7.0	54	29.6	6.2	-16.4	19.4
Jamestown	45	42.2	7.4	56	67.9	6.2	52	71.2	6.3	39	76.9	6.7	62	74.2	5.6	-2.7	32.0
Johnston	280	45.0	3.0	211	44.5	3.4	194	58.8	3.5	227	59.5	3.3	248	58.5	3.1	-1.0	13.5
Kingston Hill Acad.	42	47.6	7.7	34	50.0	8.6	21	90.5	6.4	21	81.0	8.6	21	76.2	9.3	-4.8	28.6
Lincoln	258	51.6	3.1	227	59.0	3.3	216	58.3	3.4	266	66.9	2.9	241	60.2	3.2	-6.8	8.6
Little Compton	34	50.0	8.6	45	53.3	7.4	34	73.5	7.6	24	70.8	9.3	41	70.7	7.1	-.1	20.7
Middletown	176	38.6	3.7	190	47.9	3.6	169	45.6	3.8	188	37.8	3.5	194	43.3	3.6	5.5	4.7
Narragansett	77	50.6	5.7	86	58.1	5.3	108	48.1	4.8	107	65.4	4.6	79	77.2	4.7	11.8	26.6
New Shoreham	10	70.0	14.5	11	72.7	13.4	7	-	-	11	45.5	15.0	12	83.3	10.8	37.9	13.3
Newport	179	34.6	3.6	123	30.9	4.2	175	43.4	3.7	142	40.1	4.1	151	40.4	4.0	.3	5.8
North Kingstown	322	56.8	2.8	281	62.3	2.9	282	65.6	2.8	285	62.1	2.9	338	63.6	2.6	1.5	6.8
North Providence	222	31.5	3.1	190	37.9	3.5	210	44.8	3.4	234	41.0	3.2	257	46.3	3.1	5.3	14.8
North Smithfield	141	52.5	4.2	131	59.5	4.3	114	60.5	4.6	125	56.8	4.4	139	53.2	4.2	-3.6	0.8
Paul Cuffee Charter	47	31.9	6.8	50	32.0	6.6	54	40.7	6.7	54	20.4	5.5	53	45.3	6.8	24.9	13.4
Pawtucket	660	17.1	1.5	626	20.6	1.6	630	19.5	1.6	660	23.6	1.7	673	23.0	1.6	-.6	5.9
Portsmouth	195	51.8	3.6	196	60.7	3.5	189	68.3	3.4	188	58.0	3.6	190	71.1	3.3	13.1	19.3
Providence	1843	9.4	.7	1476	12.4	.9	1641	16.3	.9	1827	16.8	.9	1856	18.6	.9	1.8	9.1
RI Sch. for the Deaf	4	-	-	6	-	-	3	-	-	3	-	-	1	-	-	-	-
Scituate	155	52.9	4.0	121	57.0	4.5	126	69.0	4.1	127	64.6	4.2	117	62.4	4.5	-2.2	9.5
Smithfield	197	58.9	3.5	175	64.0	3.6	165	67.9	3.6	194	73.7	3.2	183	79.8	3.0	6.1	20.9
South Kingstown	265	52.1	3.1	246	61.8	3.1	250	70.8	2.9	250	69.2	2.9	238	68.9	3.0	-.3	16.8
The Compass Sch.	17	70.6	11.1	17	52.9	12.1	18	88.9	7.4	17	70.6	11.1	19	78.9	9.4	8.4	8.4
The Learning Comm.	40	22.5	6.6	57	21.1	5.4	54	13.0	4.6	61	27.9	5.7	63	28.6	5.7	.7	6.1
Tiverton	148	49.3	4.1	131	47.3	4.4	146	64.4	4.0	144	56.3	4.1	150	57.3	4.0	1.1	8.0
Warwick	824	43.7	1.7	715	45.7	1.9	721	43.6	1.8	781	41.5	1.8	727	46.4	1.8	4.9	2.7
West Warwick	259	25.5	2.7	231	34.2	3.1	271	32.1	2.8	280	34.6	2.8	249	37.8	3.1	3.1	12.3
Westerly	234	48.3	3.3	218	47.2	3.4	217	48.8	3.4	222	65.3	3.2	200	65.5	3.4	.2	17.2
Woonsocket	515	20.4	1.8	390	25.4	2.2	381	34.4	2.4	441	27.9	2.1	457	24.3	2.0	-3.6	3.9

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

□ = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results

- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation)

n/a = Data not available

Table 14. Percent of students at/above “proficient” in science by district: 8th Grade

District / Charter School	2008			2009			2010			2011			2012			Diff. 2011-2012	Diff. 2008-2012
	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE		
Barrington	299	64.2	2.8	264	63.6	3.0	267	65.2	2.9	289	68.5	2.7	237	70.5	3.0	2.0	6.3
Bristol Warren	282	19.1	2.3	261	18.8	2.4	269	24.9	2.6	258	25.2	2.7	276	40.9	3.0	15.7	21.8
Burrillville	214	29.9	3.1	174	16.1	2.8	176	11.9	2.4	182	22.5	3.1	175	34.3	3.6	11.8	4.4
Central Falls	275	1.5	.7	273	1.1	.6	240	4.6	1.3	255	2.7	1.0	189	6.3	1.8	3.6	4.9
Chariho	297	30.0	2.7	278	32.0	2.8	280	30.7	2.8	275	34.9	2.9	245	54.3	3.2	19.4	24.3
Coventry	469	31.1	2.1	434	26.7	2.1	417	38.6	2.4	409	40.1	2.4	412	38.1	2.4	-2.0	7.0
Cranston	902	17.4	1.3	844	17.4	1.3	880	25.2	1.5	807	25.5	1.5	793	30.3	1.6	4.7	12.9
Cumberland	436	21.1	2.0	418	16.5	1.8	382	25.7	2.2	379	33.2	2.4	387	37.7	2.5	4.5	16.6
East Greenwich	216	43.5	3.4	188	48.9	3.6	206	55.3	3.5	204	52.9	3.5	210	55.2	3.4	2.3	11.7
East Providence	472	10.8	1.4	419	13.6	1.7	422	15.2	1.7	421	21.6	2.0	435	23.2	2.0	1.6	12.4
Exeter-W. Greenwich	161	29.2	3.6	160	33.8	3.7	165	38.2	3.8	156	34.0	3.8	134	41.8	4.3	7.8	12.6
Foster-Glocester	224	18.8	2.6	199	16.1	2.6	190	29.5	3.3	169	30.2	3.5	184	32.6	3.5	2.4	13.9
Highlander Charter	32	6.3	4.3	32	.0	.0	32	12.5	5.8	36	8.3	4.6	17	35.3	11.6	27.0	29.0
Jamestown	57	29.8	6.1	55	30.9	6.2	53	47.2	6.9	46	63.0	7.1	48	47.9	7.2	-15.1	18.1
Johnston	272	24.3	2.6	289	9.3	1.7	290	20.7	2.4	237	27.4	2.9	291	25.8	2.6	-1.7	1.5
Lincoln	292	24.7	2.5	270	21.9	2.5	305	23.6	2.4	305	34.1	2.7	288	34.7	2.8	.6	10.1
Little Compton	38	21.1	6.6	32	40.6	8.7	33	39.4	8.5	39	35.9	7.7	36	44.4	8.3	8.5	23.4
Middletown	177	34.5	3.6	196	26.0	3.1	185	28.6	3.3	201	37.8	3.4	185	25.9	3.2	-11.9	-8.5
Narragansett	135	29.6	3.9	129	32.6	4.1	127	33.1	4.2	134	41.8	4.3	101	43.6	4.9	1.8	13.9
Newport	170	12.4	2.5	175	18.9	3.0	142	15.5	3.0	137	18.2	3.3	157	17.2	3.0	-1.1	4.8
North Kingstown	350	30.0	2.4	354	28.0	2.4	338	44.1	2.7	334	57.5	2.7	330	53.9	2.7	-3.5	23.9
North Providence	276	11.2	1.9	263	7.6	1.6	281	10.3	1.8	261	9.6	1.8	264	14.8	2.2	5.2	3.5
North Smithfield	148	13.5	2.8	161	21.1	3.2	140	22.1	3.5	156	34.0	3.8	143	46.9	4.2	12.9	33.3
Paul Cuffee Charter	39	7.7	4.3	44	6.8	3.8	47	12.8	4.9	52	15.4	5.0	58	31.0	6.1	15.6	23.3
Pawtucket	751	7.1	.9	698	6.6	.9	726	6.7	.9	708	7.5	1.0	663	7.2	1.0	-.2	0.2
Portsmouth	256	30.1	2.9	218	31.2	3.1	237	37.6	3.1	205	42.9	3.5	193	48.7	3.6	5.8	18.6
Providence	1828	1.8	.3	1588	3.1	.4	1623	5.1	.5	1562	5.6	.6	1673	5.4	.6	-.2	3.6
RI Sch. for the Deaf	1	-	-	5	-	-	1	-	-	11	-	-	1	-	-	-	-
Scituate	143	39.2	4.1	148	32.4	3.8	146	36.3	4.0	129	37.2	4.3	153	35.9	3.9	-1.3	-3.2
Segue Institute	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	57	5.3	3.0	n/a	n/a
Smithfield	227	44.1	3.3	199	31.2	3.3	236	50.8	3.3	176	48.9	3.8	216	42.1	3.4	-6.7	-1.9
South Kingstown	319	43.9	2.8	283	37.5	2.9	274	43.1	3.0	274	57.3	3.0	310	44.8	2.8	-12.5	1.0
The Compass Sch.	11	27.3	13.4	15	33.3	12.2	14	50.0	13.4	14	50.0	13.4	18	66.7	11.1	16.7	39.4
The Lng. Community	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	37	5.4	3.7	n/a	n/a
Tiverton	158	16.5	2.9	167	10.8	2.4	148	29.7	3.8	149	18.8	3.2	166	28.3	3.5	9.5	11.9
Trinity Academy	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	34	8.8	4.9	n/a	n/a
Urban Collaborative	56	-	-	74	1.4	1.3	59	1.7	1.7	70	-	-	63	1.6	1.6	-	-
Warwick	873	15.8	1.2	868	17.3	1.3	862	20.2	1.4	838	21.7	1.4	794	23.3	1.5	1.6	7.5
West Warwick	292	13.0	2.0	254	7.9	1.7	252	14.3	2.2	246	15.0	2.3	256	12.9	2.1	-2.2	-0.1
Westerly	276	25.7	2.6	279	25.8	2.6	238	26.9	2.9	262	40.5	3.0	245	42.0	3.2	1.6	16.3
Woonsocket	431	2.6	.8	418	5.7	1.1	422	6.9	1.2	452	4.9	1.0	473	9.5	1.3	4.6	7.0

Key

- SE = Standard error (see Appendix B)
- = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results
- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation)
- n/a = Data not available

Table 15. Percent of students at/above “proficient” in science by district: 11th Grade

District / Charter School	2008			2009			2010			2011			2012			Diff. 2011-2012	Diff. 2008-2012
	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE	N	% Prof	SE		
Barrington	283	55.5	3.0	271	55.7	3.0	292	50.0	2.9	300	57.0	2.9	250	68.0	3.0	11.0	12.5
Beacon Charter	21	4.8	4.6	51	13.7	4.8	42	14.3	5.4	43	27.9	6.8	56	44.6	6.6	16.7	39.9
Blackstone Acad.	37	2.7	2.7	43	16.3	5.6	39	5.1	3.5	38	15.8	5.9	41	19.5	6.2	3.7	16.8
Bristol Warren	248	19.0	2.5	231	27.3	2.9	258	19.0	2.4	246	36.6	3.1	241	41.1	3.2	4.5	22.1
Burrillville	184	8.7	2.1	209	19.6	2.7	197	15.2	2.6	178	25.3	3.3	166	30.1	3.6	4.8	21.4
Central Falls	166	4.2	1.6	186	2.7	1.2	189	3.7	1.4	190	5.8	1.7	194	12.9	2.4	7.1	8.7
Chariho	294	21.4	2.4	239	27.2	2.9	284	37.7	2.9	280	37.5	2.9	270	46.3	3.0	8.8	24.9
Coventry	426	14.8	1.7	429	14.9	1.7	396	22.5	2.1	425	29.9	2.2	381	33.6	2.4	3.7	18.8
Cranston	841	13.8	1.2	825	15.5	1.3	800	22.8	1.5	828	23.9	1.5	799	30.5	1.6	6.6	16.7
Cumberland	336	18.8	2.1	341	29.3	2.5	371	25.1	2.3	351	28.8	2.4	322	37.6	2.7	8.8	18.8
DCYF	6	-	-	11	-	-	8	-	-	13	-	-	14	-	-	-	-
East Greenwich	177	38.4	3.7	186	50.0	3.7	185	50.8	3.7	192	60.9	3.5	180	62.2	3.6	1.3	23.8
East Providence	441	8.2	1.3	420	14.8	1.7	414	8.0	1.3	412	28.2	2.2	372	43.0	2.6	14.9	34.8
Exeter-W. Greenwich	164	25.6	3.4	138	23.2	3.6	150	18.7	3.2	139	45.3	4.2	140	53.6	4.2	8.2	28.0
Foster-Glocester	219	14.2	2.4	198	28.8	3.2	202	23.3	3.0	196	32.1	3.3	179	36.3	3.6	4.2	22.2
Johnston	181	16.0	2.7	143	11.2	2.6	219	12.3	2.2	183	19.1	2.9	185	29.2	3.3	10.1	13.2
Lincoln	265	25.7	2.7	224	29.5	3.0	238	34.0	3.1	232	30.6	3.0	223	48.9	3.3	18.3	23.2
Metro. Reg. C&T	155	2.6	1.3	187	7.0	1.9	176	-	-	123	6.5	2.2	207	3.9	1.3	-2.6	1.3
Middletown	140	15.7	3.1	130	39.2	4.3	135	24.4	3.7	148	43.2	4.1	164	49.4	3.9	6.1	33.7
Narragansett	115	27.0	4.1	112	46.4	4.7	113	50.4	4.7	129	41.1	4.3	123	60.2	4.4	19.1	33.2
New Shoreham	19	36.8	11.1	11	18.2	11.6	19	26.3	10.1	23	39.1	10.2	12	41.7	14.2	2.5	4.8
Newport	123	15.4	3.3	117	9.4	2.7	152	17.1	3.1	121	11.6	2.9	148	29.1	3.7	17.5	13.6
North Kingstown	388	26.0	2.2	382	26.2	2.2	403	28.3	2.2	399	29.3	2.3	372	40.9	2.5	11.5	14.8
North Providence	281	9.6	1.8	276	9.8	1.8	251	10.0	1.9	244	17.6	2.4	232	19.8	2.6	2.2	10.2
North Smithfield	142	27.5	3.7	134	23.9	3.7	137	29.9	3.9	123	25.2	3.9	132	50.0	4.4	24.8	22.5
Pawtucket	449	9.4	1.4	424	11.1	1.5	489	8.6	1.3	483	10.4	1.4	473	13.5	1.6	3.2	4.2
Portsmouth	224	36.6	3.2	235	42.6	3.2	232	51.7	3.3	257	54.5	3.1	222	57.2	3.3	2.7	20.6
Providence	1463	4.6	.6	1431	4.7	.6	1414	6.9	.7	1383	7.4	.7	1309	11.2	.9	3.8	6.6
RI Sch. for the Deaf	2	-	-	3	-	-	3	-	-	4	-	-	6	-	-	-	-
RI Nurses Institute	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	65	12.3	4.1	n/a	n/a
Scituate	119	16.8	3.4	136	27.9	3.8	126	36.5	4.3	110	50.9	4.8	114	59.6	4.6	8.7	42.8
Smithfield	224	28.6	3.0	205	32.2	3.3	190	37.4	3.5	193	44.6	3.6	181	41.4	3.7	-3.1	12.9
South Kingstown	300	35.7	2.8	296	43.9	2.9	251	43.0	3.1	261	50.6	3.1	261	56.3	3.1	5.7	20.7
The Greene School	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	39	48.7	8.0	n/a	n/a
Tiverton	154	30.5	3.7	155	25.8	3.5	126	21.4	3.7	132	38.6	4.2	154	38.3	3.9	-.3	7.8
Warwick	842	13.7	1.2	796	16.5	1.3	765	13.6	1.2	733	16.4	1.4	717	22.0	1.5	5.7	8.4
West Warwick	222	14.9	2.4	275	12.4	2.0	223	10.8	2.1	228	14.9	2.4	216	24.5	2.9	9.6	9.7
Westerly	269	21.6	2.5	225	18.2	2.6	257	40.1	3.1	239	43.5	3.2	221	51.1	3.4	7.6	29.6
Wm. Davies C&T	157	3.2	1.4	171	12.9	2.6	163	14.7	2.8	184	13.0	2.5	168	27.4	3.4	14.3	24.2
Woonsocket	364	4.9	1.1	341	11.1	1.7	378	4.8	1.1	359	9.7	1.6	334	12.6	1.8	2.8	7.6

Key

- SE = Standard error (see Appendix B)
- = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results
- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation)
- n/a = Data not available

Figure 9. 2012 NECAP science percent at/above “proficient” in each district: 4th Grade

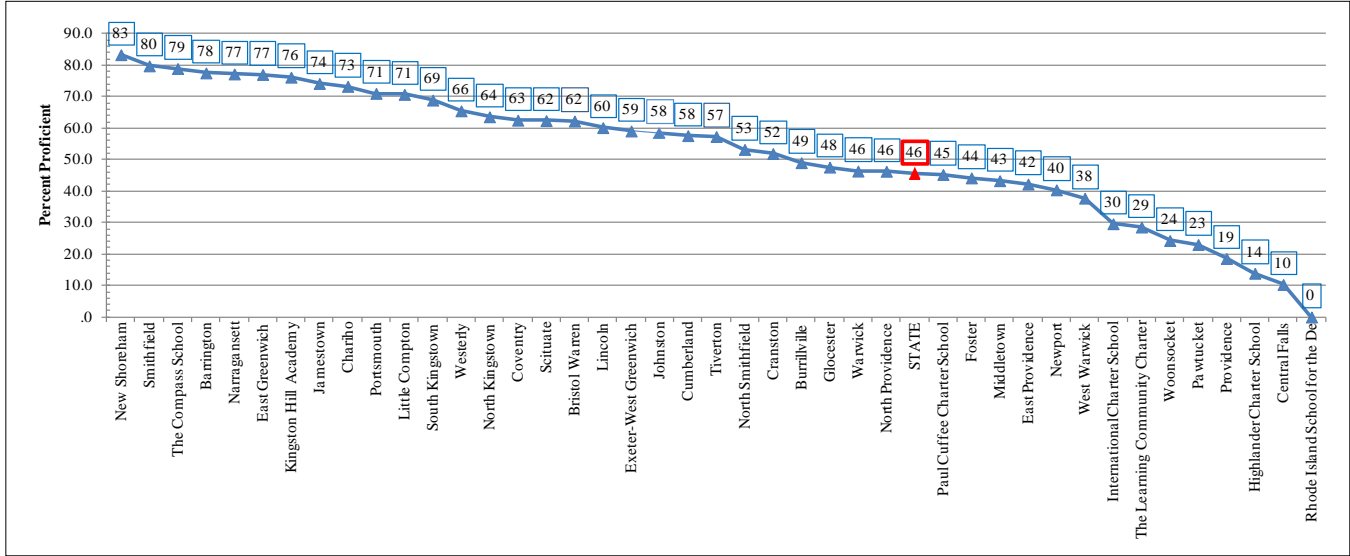


Figure 10. 2012 NECAP science percent at/above “proficient” in each district: 8th Grade

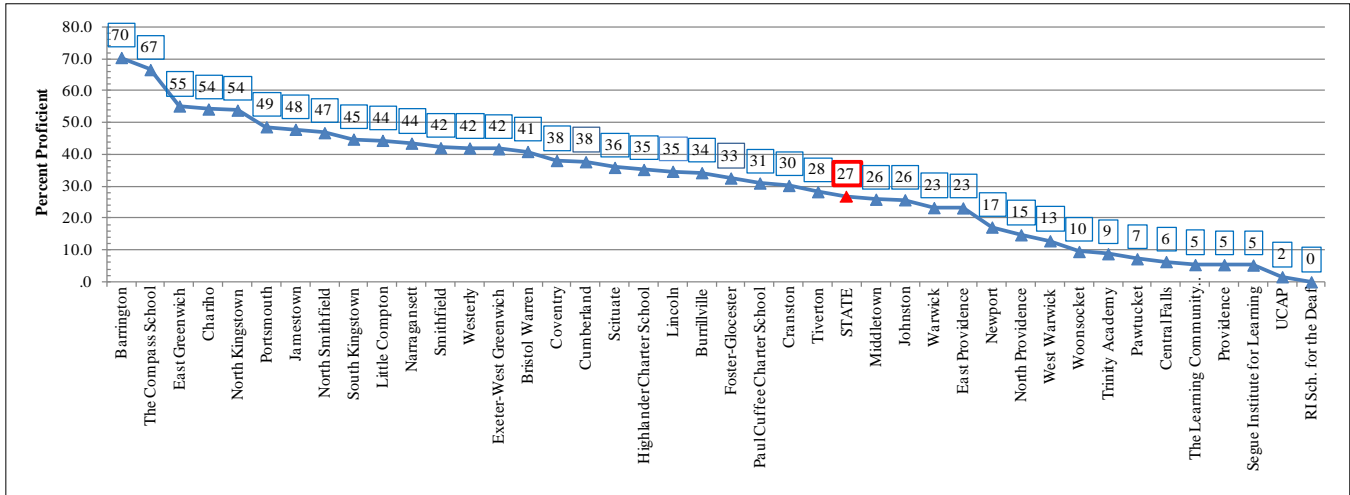
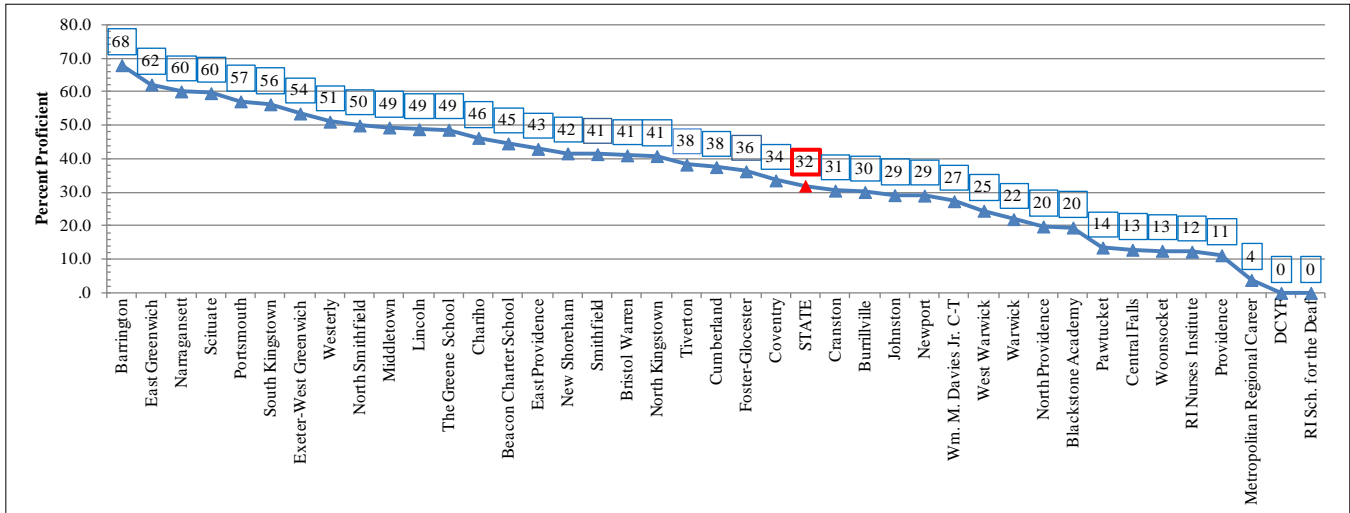


Figure 11. 2012 NECAP science percent at/above “proficient” in each district: 11th Grade



SCHOOL-LEVEL ANALYSES

QUESTION:

How did public schools in Rhode Island perform on the NECAP Science Assessment?

RESPONSE:

At the *elementary* school level, 4 schools (Hampden Meadows School in Barrington, Hugh Cole School in Bristol Warren, Paul Cuffee Charter School, and William D'Abate Elementary School in Providence) demonstrated statistically significant gains in 2012 while only 1 (Ella Risk School in Central Falls) had statistically significant losses compared last year's results. Of the 4 schools that posted statistically significant gains this year, only 1 (Hugh Cole School in Bristol Warren) also posted a statistically significant increase compared to its 2008 results. While no elementary schools had statistically significant decreases this year as well as compared to their 2008 results, there was 1 school (Cottrell F. Hoxsie School in Warwick) that had a statistically significant decrease in the percentage of students achieving proficiency in 2012 compared to its 2008 results (see Table 17 for details). The top 5 elementary schools¹² in the state in terms of having the highest percentage of students achieving proficiency or better on the NECAP Science test are as follows: #1) Block Island School in New Shoreham; #2) Old Country Road School in Smithfield; #3) Rockwell School in Bristol Warren; #4) Anna M. McCabe School in Smithfield; and #5) William Winsor School in Smithfield.

At the *middle school* level, 5 schools (Kickemuit Middle School in Bristol Warren, Chariho Regional Middle School, Wickford Middle School in North Kingstown, Nathan Bishop Middle School in Providence, and Woonsocket Middle School) had statistically significant gains in 2012 while 2 schools (Davisville Middle School in North Kingstown and Curtis Corner Middle School in South Kingstown) had statistically significant losses. Of the 5 middle schools with significant gains in 2012, 4 (all except Nathan Bishop) also had statistically significant gains compared to their respective 2008 results. No middle schools had statistically significant decreases in science proficiency compared to results in 2008 (see Table 18 for details). The top 5 middle schools in the state in terms of having the highest percentage of students achieving proficiency or better on the NECAP Science test are as follows: #1) Barrington Middle School; #2) Wickford Middle School in North Kingstown; #3) The Compass Charter School; #4) Chariho Regional Middle School; and #5) Archie Cole Middle School in East Greenwich.

At the *high school* level, 9 schools (Barrington High School, East Providence High School, Lincoln Senior High School, Narragansett High School, Rogers High School in Newport, North Kingstown Senior High School, North Smithfield High School, Classical High School in Providence, and William M. Davies Jr. Career-Tech High School) had statistically significant gains in 2012 while no schools had significant losses. Of the 9 schools with gains in 2012, 8 (all except Rogers High School) also had statistically significant higher percentage of students who were proficient or above in science compared to their respective 2008 percentages. As with middle schools, no high schools had statistically significant decreases in performance in 2012 compared to 2008 (see table 19 for details). The top 5 high schools in the state in terms of having the highest percentage of students achieving proficiency or better

¹² Only schools with >10 students enrolled in 4th grade were included in the rankings of top performing schools.

on the NECAP Science test are as follows: #1) Barrington High School; #2) East Greenwich High School; #3) Narragansett High School; #4) Scituate High School; and #5) Portsmouth High School.

It bears noting that a total of 13 schools (1 elementary school, 4 middle schools, and 8 high schools) made statistically significant progress in science from 2011 to 2012 *and* from 2008 to 2012 (see Table 16). Additionally, 69 schools (19 elementary schools, 19 middle schools, and 31 high schools) across the state have made statistically significant improvement in science achievement this year compared to their respective performance in 2008. It also bears noting that there were 18 schools in which 74.5% or more of the students achieved proficiency or better in science (see Table 20) and 77 schools (61 elementary, 5 middle, and 11 high) in which 49.5% to 74.4% of students achieved proficiency (see Table 21). On the opposite end of the spectrum are those schools where less than 24.5% of the students achieved proficiency (see Table 23). This year, 102 schools comprising 30 elementary schools, 26 middle schools, and 26 high schools across the state had 24.4% or fewer students reach proficiency in science. Of these 102 schools, 36 (6 elementary schools, 15 middle schools, and 15 high schools) had less than 10% of students achieve proficiency in science and of these 36 schools, 21 (3 elementary schools, 7 middle schools, and 8 high schools) had a less than 5% proficiency rate.

SUPPORTING DATA:

Table 16 presents the schools that made statistically significant progress in science from 2011 to 2012 *and* from 2008 to 2012. Tables 17 through 19 delineate results by grade level and Tables 20 through 23 delineate results by individual school performance in terms of overall proficiency rates.

Table 16. Schools that made significant progress from 2011 to 2012 *and* from 2008 to 2012.

District	School	2008 N	2008 % Prof.	SE	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011- 2012	Diff. 2008- 2012
Barrington	Barrington High School	282	55.7	3.0	300	57.0	2.9	248	68.5	2.9	11.5	12.9
Bristol Warren	Hugh Cole Elementary School	84	36.9	5.3	100	37.0	4.8	95	58.9	5.0	21.9	22.0
	Kickemuit Middle School	279	19.4	2.4	254	25.6	2.7	274	41.2	3.0	15.7	21.9
Chariho	Chariho Regional Middle School	291	30.6	2.7	269	35.7	2.9	235	56.2	3.2	20.5	25.6
East Providence	East Providence High School	434	8.3	1.3	398	29.1	2.3	355	45.1	2.6	15.9	36.8
Lincoln	Lincoln Senior High School	263	25.9	2.7	231	30.7	3.0	220	49.5	3.4	18.8	23.7
Narragansett	Narragansett High School	115	27.0	4.1	127	41.7	4.4	123	60.2	4.4	18.4	33.2
North Kingstown	North Kingstown Sr. High School	383	26.4	2.3	398	29.4	2.3	371	41.0	2.6	11.6	14.6
	Wickford Middle School	163	31.9	3.7	149	51.0	4.1	141	68.8	3.9	17.8	36.9
North Smithfield	North Smithfield High School	142	27.5	3.7	122	25.4	3.9	132	50.0	4.4	24.6	22.5
Providence	Classical High School	262	19.5	2.4	242	29.3	2.9	256	43.4	3.1	14.0	23.9
Wm. M. Davies Jr. Career-Tech	Davies Career-Tech. High School	156	3.2	1.4	184	13.0	2.5	168	27.4	3.4	14.3	24.2
Woonsocket	Woonsocket Middle School	423	2.6	.8	442	5.0	1.0	463	9.7	1.4	4.7	7.1

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results *and* from 2008 to 2012 results

Table 17. Percent of students at/above “proficient” in science: 4TH GRADE

District	School	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011- 2012	Diff. 2008- 2012
Barrington	Hampden Meadows School	266	64.7	2.9	284	77.8	2.5	13.2	7.3
Bristol Warren	Colt Andrews School	64	50.0	6.3	65	58.5	6.1	8.5	n/a
	Guiteras School	42	40.5	7.6	45	55.6	7.4	15.1	16.4
	Hugh Cole School	100	37.0	4.8	95	58.9	5.0	21.9	22.0
	Rockwell School	49	67.3	6.7	44	81.8	5.8	14.5	15.2
Burrillville	Steere Farm Elementary School	104	57.7	4.8	120	50.0	4.6	-7.7	17.4
	William L. Callahan School	94	50.0	5.2	85	48.2	5.4	-1.8	.7
Central Falls	Ella Risk School	123	20.3	3.6	141	6.4	2.1	-13.9	-11.5
	Veterans Memorial Elementary	99	21.2	4.1	100	16.0	3.7	-5.2	3.9
Chariho	Ashaway Elementary School	43	86.0	5.3	53	73.6	6.1	-12.5	22.6
	Charlestown Elementary School	82	81.7	4.3	64	71.9	5.6	-9.8	24.0
	Hope Valley Elementary School	47	83.0	5.5	38	78.9	6.6	-4.0	19.8
	Richmond Elementary School	73	74.0	5.1	91	71.4	4.7	-2.5	12.5
	The R.Y.S.E. School	n/a	n/a	n/a	1	-	-	n/a	n/a
Coventry	Blackrock School	68	51.5	6.1	72	54.2	5.9	2.7	19.3
	Hopkins Hill School	68	44.1	6.0	69	46.4	6.0	2.3	7.3
	Tiogoe School	80	56.3	5.5	62	69.4	5.9	13.1	7.6
	Washington Oak School	110	55.5	4.7	106	67.0	4.6	11.5	22.7
	Western Coventry School	64	71.9	5.6	78	73.1	5.0	1.2	19.2
Cranston	Arlington School	26	26.9	8.7	25	40.0	9.8	13.1	-3.5
	Chester W. Barrows School	39	48.7	8.0	52	51.9	6.9	3.2	-26.9
	Daniel D. Waterman School	38	55.3	8.1	39	66.7	7.5	11.4	25.5
	Eden Park School	55	61.8	6.6	57	52.6	6.6	-9.2	9.2
	Edgewood Highland School	33	33.3	8.2	42	28.6	7.0	-4.8	-6.4
	Edward S. Rhodes School	38	76.3	6.9	45	75.6	6.4	-.8	23.3
	Garden City School	41	53.7	7.8	48	43.8	7.2	-9.9	-6.3
	George J. Peters School	51	52.9	7.0	43	44.2	7.6	-8.8	-14.5
	Gladstone Street School	103	22.3	4.1	95	20.0	4.1	-2.3	-11.1
	Glen Hills School	53	45.3	6.8	59	49.2	6.5	3.9	12.6
	Hope Highlands Elementary School	59	69.5	6.0	60	71.7	5.8	2.2	13.2
	Oak Lawn School	47	51.1	7.3	48	56.3	7.2	5.2	-6.3
	Orchard Farms Elementary School	67	74.6	5.3	59	74.6	5.7	-.1	-5.1
	Stadium School	49	55.1	7.1	53	47.2	6.9	-7.9	-9.6
	Stone Hill School	54	48.1	6.8	38	57.9	8.0	9.7	-2.1
William R. Dutemple School	42	47.6	7.7	37	51.4	8.2	3.7	23.4	
Woodridge School	56	64.3	6.4	48	75.0	6.3	10.7	25.9	
Cumberland	Ashton School	51	45.1	7.0	60	46.7	6.4	1.6	11.9
	B.F. Norton Elementary School	49	18.4	5.5	59	28.8	5.9	10.4	16.8
	Community School	117	66.7	4.4	104	76.9	4.1	10.3	18.6
	Garvin Memorial School	68	48.5	6.1	59	49.2	6.5	.6	10.8
	John J. McLaughlin Cumberland Hill Sch.	111	57.7	4.7	104	66.3	4.6	8.7	24.7
East Greenwich	George Hanaford School	96	81.3	4.0	80	75.0	4.8	-6.3	12.2
	James H. Eldredge El. School	92	79.3	4.2	89	78.7	4.3	-.7	24.9
East Providence	Agnes B. Hennessey School	47	21.3	6.0	44	27.3	6.7	6.0	-7.5
	Alice M. Waddington School	77	45.5	5.7	73	56.2	5.8	10.7	1.2
	Emma G. Whiteknact School	49	24.5	6.1	47	31.9	6.8	7.4	1.1
	James R. D. Oldham School	26	19.2	7.7	23	47.8	10.4	28.6	43.6
	Kent Heights School	49	30.6	6.6	44	36.4	7.3	5.8	-.2
	Myron J. Francis Elementary School	75	53.3	5.8	73	45.2	5.8	-8.1	-15.8
	Orlo Avenue School	49	22.4	6.0	42	26.2	6.8	3.7	16.0
Silver Spring School	44	38.6	7.3	34	64.7	8.2	26.1	43.7	
Exeter-West Greenwich	Metcalf School	130	46.2	4.4	131	59.5	4.3	13.4	22.5
Foster	Captain Isaac Paine Elementary School	55	67.3	6.3	43	44.2	7.6	-23.1	-12.0
Glocester	Fogarty Memorial School	67	55.2	6.1	63	49.2	6.3	-6.0	-6.9
	West Glocester Elementary	43	65.1	7.3	42	45.2	7.7	-19.9	1.5
Highlander Charter	Highlander Charter School	36	22.2	6.9	36	13.9	5.8	-8.3	-9.6
International Charter	International Charter School	50	46.0	7.0	54	29.6	6.2	-16.4	19.4

District	School	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011- 2012	Diff. 2008- 2012
Jamestown	Jamestown School-Melrose	39	76.9	6.7	62	74.2	5.6	-2.7	32.0
Johnston	Brown Avenue School	45	66.7	7.0	35	65.7	8.0	-1.0	-7.8
	Sarah Dyer Barnes School	48	79.2	5.9	72	63.9	5.7	-15.3	3.1
	Thornton School	64	40.6	6.1	68	57.4	6.0	16.7	30.8
	Winsor Hill School	67	61.2	6.0	69	52.2	6.0	-9.0	14.2
Kingston Hill Academy	Kingston Hill Academy	21	81.0	8.6	21	76.2	9.3	-4.8	28.6
Lincoln	Lincoln Central Elementary School	71	81.7	4.6	72	65.3	5.6	-16.4	-9.0
	Lonsdale Elementary School	48	68.8	6.7	42	69.0	7.1	.3	15.9
	Northern Lincoln Elementary School	74	64.9	5.5	62	50.0	6.4	-14.9	14.2
	Saylesville Elementary School	72	54.2	5.9	63	60.3	6.2	6.2	17.1
Little Compton	Wilbur and McMahan Schools	24	70.8	9.3	41	70.7	7.1	-.1	20.7
Middletown	Joseph H. Gaudet Learning Academy	185	38.4	3.6	194	43.3	3.6	4.9	n/a
Narragansett	Narragansett Elementary School	105	66.7	4.6	79	77.2	4.7	10.5	26.6
New Shoreham	Block Island School	11	45.5	15.0	12	83.3	10.8	37.9	13.3
Newport	Coggeshall School	18	61.1	11.5	35	48.6	8.4	-12.5	7.7
	Cranston - Calvert School	35	42.9	8.4	39	35.9	7.7	-7.0	-3.6
	Dr. M. H. Sullivan School	44	18.2	5.8	45	20.0	6.0	1.8	8.9
	William J. Underwood School	43	53.5	7.6	31	67.7	8.4	14.3	31.4
North Kingstown	Fishing Cove Elementary School	35	51.4	8.4	34	58.8	8.4	7.4	n/a
	Forest Park Elementary School	46	58.7	7.3	50	62.0	6.9	3.3	n/a
	Hamilton Elementary School	68	70.6	5.5	108	72.2	4.3	1.6	5.7
	Stony Lane Elementary School	92	76.1	4.4	72	69.4	5.4	-6.6	n/a
	Suzanne M. Henseler Quidnessett Elem.	42	33.3	7.3	72	50.0	5.9	16.7	5.6
North Providence	Centredale School	33	36.4	8.4	40	40.0	7.7	3.6	15.0
	Dr. Joseph A Whelan Elementary School	32	34.4	8.4	30	63.3	8.8	29.0	24.6
	Greystone School	45	31.1	6.9	48	39.6	7.1	8.5	14.0
	James L. McGuire School	44	59.1	7.4	51	54.9	7.0	-4.2	12.5
	Marieville Elementary School	47	23.4	6.2	36	27.8	7.5	4.4	5.8
	Stephen Olney School	33	66.7	8.2	52	51.9	6.9	-14.7	11.4
North Smithfield	Dr. Harry L. Halliwell Memorial School	125	56.8	4.4	139	53.2	4.2	-3.6	1.2
Paul Cuffee Charter	Paul Cuffee Charter School	54	20.4	5.5	53	45.3	6.8	24.9	13.4
Pawtucket	Agnes E. Little School	55	25.5	5.9	55	21.8	5.6	-3.6	12.1
	Curvin-McCabe School	58	39.7	6.4	64	31.3	5.8	-8.4	1.3
	Elizabeth Baldwin School	101	23.8	4.2	109	29.4	4.4	5.6	13.4
	Fallon Memorial School	77	20.8	4.6	68	16.2	4.5	-4.6	7.4
	Flora S. Curtis Memorial School	44	18.2	5.8	31	25.8	7.9	7.6	6.5
	Francis J. Varieur School	44	45.5	7.5	53	35.8	6.6	-9.6	-5.0
	Henry J. Winters School	63	11.1	4.0	52	11.5	4.4	.4	-2.0
	M. Virginia Cunningham School	57	15.8	4.8	86	17.4	4.1	1.7	6.3
	Nathanael Greene School	68	26.5	5.4	75	26.7	5.1	.2	12.0
Potter-Burns School	87	19.5	4.3	75	16.0	4.2	-3.5	-2.1	
Portsmouth	Portsmouth Middle School*	188	58.0	3.6	190	71.1	3.3	13.1	n/a
Providence	Alan Shawn Feinstein Elem. at Broad St.	62	24.2	5.4	68	17.6	4.6	-6.5	3.9
	Alfred Lima, Sr. Elementary School	55	9.1	3.9	180	20.0	3.0	10.9	18.6
	Anthony Carnevale Elementary School	51	39.2	6.8	100	36.0	4.8	-3.2	25.5
	Asa Messer Elementary School	74	12.2	3.8	103	5.8	2.3	-6.3	1.8
	Carl G. Lauro Elementary School	128	19.5	3.5	133	13.5	3.0	-6.0	7.1
	Dr. Martin Luther King, Jr. Elementary	51	23.5	5.9	101	25.7	4.4	2.2	-.5
	Frank D. Spaziano Ave. Elementary School	96	12.5	3.4	106	16.0	3.6	3.5	-2.4
	George J. West Elementary School	103	13.6	3.4	123	12.2	3.0	-1.4	6.3
	Harry Kizirian Elementary School	88	22.7	4.5	104	16.3	3.6	-6.4	6.3
	Lillian Feinstein Elementary, Sackett Street	78	12.8	3.8	79	11.4	3.6	-1.4	1.1
	Mary E. Fogarty Elementary School	72	8.3	3.3	77	3.9	2.2	-4.4	1.0
	Pleasant View School	49	8.2	3.9	46	13.0	5.0	4.9	4.5
	Reservoir Avenue School	51	33.3	6.6	26	23.1	8.3	-10.3	14.0
	Robert F. Kennedy Elementary School	75	36.0	5.5	78	52.6	5.7	16.6	23.8
	Robert L. Bailey IV, Elementary School	69	4.3	2.5	62	6.5	3.1	2.1	5.2
Sgt. Cornel Young & Charlotte Woods ES	51	3.9	2.7	103	1.0	1.0	-3.0	-5.4	
Times2 Academy	49	16.3	5.3	51	27.5	6.2	11.1	20.9	

District	School	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011-2012	Diff. 2008-2012
Providence	Vartan Gregorian Elementary School	46	41.3	7.3	77	42.9	5.6	1.6	2.9
	Veazie Street School	93	20.4	4.2	97	15.5	3.7	-5.0	5.2
	Webster Avenue School	76	30.3	5.3	58	12.1	4.3	-18.2	2.5
	William D'Abate Elementary School	75	10.7	3.6	77	28.6	5.1	17.9	14.9
RI School for the Deaf	Rhode Island School for the Deaf	3	-	-	1	-	-	-	-
Scituate	Clayville Elementary School	36	72.2	7.5	37	59.5	8.1	-12.8	-2.2
	Hope Elementary School	42	57.1	7.6	41	70.7	7.1	13.6	19.9
	North Scituate Elementary School	49	65.3	6.8	39	56.4	7.9	-8.9	9.5
Smithfield	Anna M. McCabe School	53	64.2	6.6	49	81.6	5.5	17.5	35.7
	Old County Road School	43	72.1	6.8	45	82.2	5.7	10.1	21.2
	Raymond C. LaPerche School	49	85.7	5.0	50	74.0	6.2	-11.7	2.6
	William Winsor School	49	73.5	6.3	38	81.6	6.3	8.1	19.4
South Kingstown	Matunuck School	64	75.0	5.4	64	70.3	5.7	-4.7	12.7
	Peace Dale Elementary School	87	73.6	4.7	73	67.1	5.5	-6.4	16.1
	Wakefield Elementary School	48	68.8	6.7	47	72.3	6.5	3.6	26.7
	West Kingston Elementary School	50	56.0	7.0	54	66.7	6.4	10.7	10.3
The Compass School	The Compass School	17	70.6	11.1	19	78.9	9.4	8.4	8.4
The Learning Community	The Learning Community Charter School	61	27.9	5.7	63	28.6	5.7	.7	6.1
Tiverton	Fort Barton School	42	66.7	7.3	37	78.4	6.8	11.7	21.2
	Pocasset School	51	47.1	7.0	46	47.8	7.4	.8	10.1
	Walter E. Ranger School	48	60.4	7.1	65	53.8	6.2	-6.6	-3.7
Warwick	Cedar Hill School	65	58.5	6.1	53	69.8	6.3	11.3	11.5
	Cottrell F. Hoxsie School	43	37.2	7.4	55	32.7	6.3	-4.5	-32.1
	E. G. Robertson School	44	61.4	7.3	48	56.3	7.2	-5.1	7.9
	Francis School	43	44.2	7.6	47	48.9	7.3	4.8	7.6
	Greenwood School	51	35.3	6.7	49	46.9	7.1	11.6	-15.0
	Harold F. Scott School	44	56.8	7.5	39	61.5	7.8	4.7	-1.3
	Holliman School	41	39.0	7.6	57	45.6	6.6	6.6	.9
	John Wickes School	67	40.3	6.0	44	36.4	7.3	-3.9	10.4
	Lippitt School	46	26.1	6.5	24	45.8	10.2	19.7	13.4
	Norwood School	50	32.0	6.6	34	41.2	8.4	9.2	-20.9
	Oakland Beach Elementary School	49	26.5	6.3	50	42.0	7.0	15.5	15.7
	Park School	42	38.1	7.5	38	42.1	8.0	4.0	3.9
	Randall Holden School	42	64.3	7.4	43	55.8	7.6	-8.5	22.5
	Sherman School	60	26.7	5.7	58	32.8	6.2	6.1	6.5
	Warwick Neck School	50	42.0	7.0	38	50.0	8.1	8.0	-6.1
Wyman School	43	39.5	7.5	50	38.0	6.9	-1.5	-14.2	
West Warwick	Greenbush Elementary School	106	38.7	4.7	88	38.6	5.2	.0	9.2
	John F. Horgan Elementary School	110	25.5	4.2	95	35.8	4.9	10.3	11.1
	Wakefield Hills Elementary School	64	43.8	6.2	66	39.4	6.0	-4.4	16.2
Westerly	Bradford Elementary School	21	61.9	10.6	15	60.0	12.6	-1.9	-21.5
	Dunn's Corners School	67	65.7	5.8	56	75.0	5.8	9.3	22.2
	Springbrook Elementary School	70	54.3	6.0	60	65.0	6.2	10.7	13.6
	State Street School	63	79.4	5.1	66	62.1	6.0	-17.2	25.3
Woonsocket	Bernon Heights School	71	39.4	5.8	76	36.8	5.5	-2.6	18.1
	Citizens Memorial School	81	23.5	4.7	86	14.0	3.7	-9.5	7.1
	Globe Park School	82	37.8	5.4	69	40.6	5.9	2.8	-7.2
	Harris School	49	26.5	6.3	74	20.3	4.7	-6.3	7.6
	Kevin K. Coleman Elementary School	91	14.3	3.7	74	13.5	4.0	-.8	-5.8
	Leo A. Savoie School	63	30.2	5.8	70	24.3	5.1	-5.9	-6.9

Key


- SE = Standard error (see Appendix B)
- = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results
- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation)
- n/a = Data not available


Table 18. Percent of students at/above “proficient” in science: 8TH GRADE


District	School	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011- 2012	Diff. 2008- 2012
Barrington	Barrington Middle School	288	68.8	2.7	236	70.8	3.0	2.0	6.5
Bristol Warren	Kickemuit Middle School	254	25.6	2.7	274	41.2	3.0	15.7	21.9
Burrillville	Burrillville Middle School	179	22.9	3.1	174	34.5	3.6	11.6	4.3
Central Falls	Dr. Earl F. Calcutt Middle School	253	2.8	1.0	186	6.5	1.8	3.7	5.0
Chariho	Chariho Regional Middle School	269	35.7	2.9	235	56.2	3.2	20.5	25.6
	The R.Y.S.E. School	6	-	-	9	-	-	-	-
Coventry	Alan Shawn Feinstein MS of Coventry	409	40.1	2.4	412	38.1	2.4	-2.0	7.0
Cranston	Hugh B. Bain Middle School	204	21.6	2.9	204	21.1	2.9	-.5	15.3
	Park View Middle School	238	23.5	2.7	240	30.0	3.0	6.5	13.3
	Western Hills Middle School	362	29.3	2.4	341	36.7	2.6	7.4	10.8
Cumberland	Joseph L. McCourt Middle School	173	19.1	3.0	174	27.0	3.4	7.9	13.0
	North Cumberland Middle School	205	45.4	3.5	210	47.1	3.4	1.8	18.8
East Greenwich	Archie R. Cole Middle School	204	52.9	3.5	209	55.5	3.4	2.6	11.6
East Providence	Edward R. Martin Middle School	217	15.7	2.5	222	19.4	2.7	3.7	9.9
	Riverside Middle School	192	29.7	3.3	200	29.0	3.2	-.7	15.5
Exeter-West Greenwich	Exeter-West Greenwich Regional Jr. High	154	34.4	3.8	133	42.1	4.3	7.7	12.9
Foster-Glocester	Ponaganset Middle School	169	30.2	3.5	184	32.6	3.5	2.4	13.9
Highlander Charter School	Highlander Charter School	36	8.3	4.6	17	35.3	11.6	27.0	29.0
Jamestown	Jamestown School-Lawn	46	63.0	7.1	48	47.9	7.2	-15.1	18.1
Johnston	Nicholas A. Ferri Middle School	233	27.9	2.9	289	26.0	2.6	-1.9	1.2
Lincoln	Lincoln Middle School	305	34.1	2.7	287	34.5	2.8	.4	9.8
Little Compton	Wilbur and McMahon Schools	39	35.9	7.7	36	44.4	8.3	8.5	23.4
Middletown	Joseph H. Gaudet School	200	38.0	3.4	182	26.4	3.3	-11.6	-8.3
Narragansett	Narragansett Pier School	134	41.8	4.3	100	44.0	5.0	2.2	14.1
Newport	Frank E. Thompson Middle School	136	18.4	3.3	154	17.5	3.1	-.8	5.0
North Kingstown	Davisville Middle School	183	63.4	3.6	185	43.8	3.6	-19.6	15.1
	Wickford Middle School	149	51.0	4.1	141	68.8	3.9	17.8	36.9
North Providence	Birchwood Middle School	142	10.6	2.6	135	17.0	3.2	6.5	2.6
	Dr. Edward A. Ricci Middle School	119	8.4	2.5	128	12.5	2.9	4.1	4.5
North Smithfield	North Smithfield Middle School	155	34.2	3.8	143	46.9	4.2	12.7	33.3
Paul Cuffee Charter School	Paul Cuffee Charter School	52	15.4	5.0	58	31.0	6.1	15.6	23.3
Pawtucket	Goff Junior High School	275	9.5	1.8	251	7.2	1.6	-2.3	-4.2
	Joseph Jenks Junior High School	142	4.9	1.8	140	5.0	1.8	.1	2.9
	Samuel Slater Junior High School	280	7.1	1.5	266	8.6	1.7	1.5	.9
Portsmouth	Portsmouth Middle School	200	43.5	3.5	192	49.0	3.6	5.5	18.6
Providence	Esek Hopkins Middle School	207	1.9	1.0	213	1.4	.8	-.5	.3
	Gilbert Stuart Middle School	265	.8	.5	247	.8	.6	.1	.0
	Governor Christopher DelSesto MS	157	3.8	1.5	327	1.2	.6	-2.6	.3
	Nathan Bishop Middle School	35	.0	.0	243	13.2	2.2	13.2	n/a
	Nathanael Greene Middle School	316	20.6	2.3	314	14.3	2.0	-6.2	9.7
	Roger Williams Middle School	257	.4	.4	257	.8	.5	.4	.8
	Times2 Academy	71	8.5	3.3	58	3.4	2.4	-5.0	-8.7
Rhode Island School for the Deaf	Rhode Island School for the Deaf	11	-	-	1	-	-	-	-
Scituate	Scituate Middle School	129	37.2	4.3	153	35.9	3.9	-1.3	-3.2
Segue Institute for Learning	Segue Institute for Learning	n/a	n/a	n/a	57	5.3	3.0	n/a	n/a
Smithfield	Vincent J. Gallagher Middle School	175	49.1	3.8	216	42.1	3.4	-7.0	-1.9
South Kingstown	Curtis Corner Middle School	274	57.3	3.0	309	45.0	2.8	-12.3	.3
The Compass School	The Compass School	14	50.0	13.4	18	66.7	11.1	16.7	39.4
The Learning Community Charter	The Learning Community Charter School	n/a	n/a	n/a	37	5.4	3.7	n/a	n/a
Tiverton	Tiverton Middle School	144	19.4	3.3	161	29.2	3.6	9.7	12.7
Trinity Academy	Trinity Academy for the Performing Arts	n/a	n/a	n/a	34	8.8	4.9	n/a	n/a
UCAP	Urban Collaborative Accelerated Program	70	.0	.0	63	1.6	1.6	1.6	1.6
Warwick	Aldrich Junior High School	290	20.0	2.3	263	21.3	2.5	1.3	9.4
	Gorton Junior High School	255	20.0	2.5	262	21.0	2.5	1.0	7.7
	Winman Junior High School	282	25.5	2.6	264	28.0	2.8	2.5	6.0
West Warwick	John F. Deering Middle School	244	15.2	2.3	255	12.9	2.1	-2.2	-1.1
Westerly	Westerly Middle School	260	40.8	3.0	241	42.7	3.2	2.0	17.0
Woonsocket	Woonsocket Middle School	442	5.0	1.0	463	9.7	1.4	4.7	7.1

Key

SE = Standard error (see Appendix B)

 = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

 = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

 = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results

- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation)

n/a = Data not available

Table 19. Percent of students at/above “proficient” in science: 11TH GRADE

District	School	2011 N	2011 % Prof.	SE	2012 N	2012 % Prof.	SE	Diff. 2011- 2012	Diff. 2008- 2012
Barrington	Barrington High School	300	57.0	2.9	248	68.5	2.9	11.5	12.9
Beacon Charter School	Beacon Charter School	43	27.9	6.8	56	44.6	6.6	16.7	39.9
Blackstone Academy Charter School	Blackstone Academy Charter School	38	15.8	5.9	41	19.5	6.2	3.7	16.8
Bristol Warren	Mt. Hope High School	243	36.6	3.1	238	41.6	3.2	5.0	22.5
Burrillville	Burrillville High School	178	25.3	3.3	165	30.3	3.6	5.0	21.6
Central Falls	Central Falls Senior High School	187	5.9	1.7	191	13.1	2.4	7.2	8.8
Chariho	Chariho Regional High School	278	37.8	2.9	264	47.3	3.1	9.6	25.5
	The R.Y.S.E. School	2	-	-	6	-	-	-	-
Coventry	Coventry High School	425	29.9	2.2	381	33.6	2.4	3.7	18.8
	Cranston High School East	384	17.4	1.9	332	22.6	2.3	5.1	16.6
Cranston	Cranston High School West	388	33.2	2.4	413	40.2	2.4	6.9	18.6
	NEL/CPS Construction Career Academy	53	3.8	2.6	50	6.0	3.4	2.2	6.0
Cumberland	Cumberland High School	349	28.9	2.4	322	37.6	2.7	8.6	18.8
DCYF Alternative Educ. Program	DCYF Alternative Education Program	13	-	-	14	-	-	-	-
East Greenwich	East Greenwich High School	192	60.9	3.5	179	62.6	3.6	1.6	24.5
East Providence	East Providence High School	398	29.1	2.3	355	45.1	2.6	15.9	36.8
Exeter-West Greenwich	Exeter-W. Greenwich Regional High Sch.	139	45.3	4.2	140	53.6	4.2	8.2	28.0
Foster-Glocester	Ponaganset High School	195	32.3	3.3	179	36.3	3.6	4.0	22.2
Johnston	Johnston Senior High School	179	19.6	3.0	184	29.3	3.4	9.8	13.2
Lincoln	Lincoln Senior High School	231	30.7	3.0	220	49.5	3.4	18.8	23.7
Metropolitan Reg. Career & Tech.	Metro. Regional Career & Tech. Center	123	6.5	2.2	207	3.9	1.3	-2.6	1.3
Middletown	Middletown High School	142	45.1	4.2	157	51.0	4.0	5.9	35.1
Narragansett	Narragansett High School	127	41.7	4.4	123	60.2	4.4	18.4	33.2
New Shoreham	Block Island School	22	40.9	10.5	12	41.7	14.2	.8	16.7
Newport	Rogers High School	118	11.9	3.0	146	29.5	3.8	17.6	13.7
North Kingstown	North Kingstown Senior High School	398	29.4	2.3	371	41.0	2.6	11.6	14.6
North Providence	North Providence High School	244	17.6	2.4	231	19.9	2.6	2.3	10.2
North Smithfield	North Smithfield High School	122	25.4	3.9	132	50.0	4.4	24.6	22.5
Pawtucket	J. Walsh Sch. for Performing & Visual Arts	28	25.0	8.2	20	20.0	8.9	-5.0	n/a
	Shea Senior High School	197	6.6	1.8	201	7.5	1.9	.9	2.8
	William E Tolman Senior High School	250	12.0	2.1	241	18.7	2.5	6.7	5.7
Portsmouth	Portsmouth High School	256	54.7	3.1	219	58.0	3.3	3.3	21.4
Providence	Academy for Career Exploration (ACES)	48	4.2	2.9	56	8.9	3.8	4.8	8.9
	Central High School	216	2.8	1.1	184	3.3	1.3	.5	1.6
	Classical High School	242	29.3	2.9	256	43.4	3.1	14.0	23.9
	Dr. Jorge Alvarez High School	80	2.5	1.7	96	-	-	-	-
	E-Cubed Academy	78	2.6	1.8	78	6.4	2.8	3.8	4.9
	Hope Arts School	133	-	-	101	2.0	1.4	-	2.0
	Hope Information Technology School	98	1.0	1.0	108	1.9	1.3	.8	-6
	Mount Pleasant High School	194	3.1	1.2	155	1.9	1.1	-1.2	1.9
	Providence Career and Technical School	68	1.5	1.5	90	1.1	1.1	-4	n/a
	Times2 Academy	38	23.7	6.9	41	19.5	6.2	-4.2	-2.4
Wm. Cooley Sr. High /Health and Sci.	84	1.2	1.2	134	1.5	1.0	.3	1.5	
Rhode Island School for the Deaf	Rhode Island School for the Deaf	4	-	-	6	-	-	-	-
RI Nurses Institute	RI Nurses Institute Middle College	n/a	n/a	n/a	65	12.3	4.1	n/a	n/a
Scituate	Scituate High School	110	50.9	4.8	114	59.6	4.6	8.7	42.8
Smithfield	Smithfield Senior High School	193	44.6	3.6	179	41.9	3.7	-2.7	13.2
South Kingstown	South Kingstown High School	261	50.6	3.1	261	56.3	3.1	5.7	20.3
The Greene School	The Greene School	n/a	n/a	n/a	39	48.7	8.0	n/a	n/a
Tiverton	Tiverton High School	131	38.9	4.3	150	39.3	4.0	.4	8.8
Warwick	Pilgrim High School	262	17.6	2.4	265	23.4	2.6	5.8	11.5
	Toll Gate High School	247	20.6	2.6	220	24.5	2.9	3.9	10.0
	Warwick Veterans Memorial HS	217	10.6	2.1	225	18.7	2.6	8.1	3.4
West Warwick	West Warwick Senior High School	226	15.0	2.4	213	24.9	3.0	9.8	10.0
Westerly	Westerly High School	238	43.7	3.2	220	51.4	3.4	7.7	29.7
William M. Davies Jr. Career-Tech.	Wm. M. Davies Jr. Career-Tech. High Sch.	184	13.0	2.5	168	27.4	3.4	14.3	24.2
Woonsocket	Woonsocket High School	351	10.0	1.6	326	12.9	1.9	2.9	7.9

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

 = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results

- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation)


n/a = Data not available


Table 20. Schools with $\geq 74.5\%$ student proficiency in 2012 (sorted by % proficient or above).


District	School	School Level	2012 N	2012 % Prof.	SE	Diff. 2011-2012
Barrington	Hampden Meadows School	Elementary	284	77.8	2.5	13.2
Bristol Warren	Rockwell School	Elementary	44	81.8	5.8	14.5
Chariho	Hope Valley Elementary School	Elementary	38	78.9	6.6	-4.0
Cranston	Edward S. Rhodes School	Elementary	45	75.6	6.4	-8
	Orchard Farms Elementary School	Elementary	59	74.6	5.7	-1
	Woodridge School	Elementary	48	75.0	6.3	10.7
Cumberland	Community School	Elementary	104	76.9	4.1	10.3
East Greenwich	George Hanaford School	Elementary	80	75.0	4.8	-6.3
	James H. Eldredge Elementary School	Elementary	89	78.7	4.3	-7
Kingston Hill Academy	Kingston Hill Academy	Elementary	21	76.2	9.3	-4.8
Narragansett	Narragansett Elementary School	Elementary	79	77.2	4.7	10.5
New Shoreham	Block Island School	Elementary	12	83.3	10.8	37.9
Smithfield	Anna M. McCabe School	Elementary	49	81.6	5.5	17.5
	Old County Road School	Elementary	45	82.2	5.7	10.1
	William Winsor School	Elementary	38	81.6	6.3	8.1
The Compass School	The Compass School	Elementary	19	78.9	9.4	8.4
Tiverton	Fort Barton School	Elementary	37	78.4	6.8	11.7
Westerly	Dunn's Corners School	Elementary	56	75.0	5.8	9.3

Key

SE = Standard error (see Appendix B)

 = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

 = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

 = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results
- = $N < 10$ and/or percent proficient $< 1\%$. Results cannot be publicly reported (see Appendix A for explanation)

n/a = Data not available


Table 21. Schools with 49.5% to 74.4% student proficiency in 2012 (sorted by % proficient or above).

District	School	School Level	2012 N	2012 % Prof.	SE	Difference 2011-2012
Barrington	Barrington High School	High	248	68.5	2.9	11.5
	Barrington Middle School	Middle	236	70.8	3.0	2.0
Bristol Warren	Colt Andrews School	Elementary	65	58.5	6.1	8.5
	Guiteras School	Elementary	45	55.6	7.4	15.1
	Hugh Cole School	Elementary	95	58.9	5.0	21.9
Burrillville	Steere Farm Elementary School	Elementary	120	50.0	4.6	-7.7
Chariho	Ashaway Elementary School	Elementary	53	73.6	6.1	-12.5
	Chariho Regional Middle School	Middle	235	56.2	3.2	20.5
	Charlestown Elementary School	Elementary	64	71.9	5.6	-9.8
	Richmond Elementary School	Elementary	91	71.4	4.7	-2.5
Coventry	Blackrock School	Elementary	72	54.2	5.9	2.7
	Tiogue School	Elementary	62	69.4	5.9	13.1
	Washington Oak School	Elementary	106	67.0	4.6	11.5
	Western Coventry School	Elementary	78	73.1	5.0	1.2
Cranston	Chester W. Barrows School	Elementary	52	51.9	6.9	3.2
	Daniel D. Waterman School	Elementary	39	66.7	7.5	11.4
	Eden Park School	Elementary	57	52.6	6.6	-9.2
	Hope Highlands Elementary School	Elementary	60	71.7	5.8	2.2
	Oak Lawn School	Elementary	48	56.3	7.2	5.2
	Stone Hill School	Elementary	38	57.9	8.0	9.7
	William R. Dutemple School	Elementary	37	51.4	8.2	3.7
Cumberland	John J. McLaughlin Cumberland Hill School	Elementary	104	66.3	4.6	8.7
East Greenwich	Archie R. Cole Middle School	Middle	209	55.5	3.4	2.6
	East Greenwich High School	High	179	62.6	3.6	1.6
East Providence	Alice M. Waddington School	Elementary	73	56.2	5.8	10.7
	Silver Spring School	Elementary	34	64.7	8.2	26.1
Exeter-West Greenwich	Exeter-West Greenwich Regional High Sch.	High	140	53.6	4.2	8.2
	Metcalf School	Elementary	131	59.5	4.3	13.4
Jamestown	Jamestown School-Melrose	Elementary	62	74.2	5.6	-2.7
Johnston	Brown Avenue School	Elementary	35	65.7	8.0	-1.0
	Sarah Dyer Barnes School	Elementary	72	63.9	5.7	-15.3
	Thornton School	Elementary	68	57.4	6.0	16.7
	Winsor Hill School	Elementary	69	52.2	6.0	-9.0
Lincoln	Lincoln Central Elementary School	Elementary	72	65.3	5.6	-16.4
	Lincoln Senior High School	High	220	49.5	3.4	18.8
	Lonsdale Elementary School	Elementary	42	69.0	7.1	.3
	Northern Lincoln Elementary School	Elementary	62	50.0	6.4	-14.9
	Saylesville Elementary School	Elementary	63	60.3	6.2	6.2
Little Compton	Wilbur and McMahon Schools	Elementary	41	70.7	7.1	-.1
Middletown	Middletown High School	High	157	51.0	4.0	5.9
Narragansett	Narragansett High School	High	123	60.2	4.4	18.4
Newport	William J. Underwood School	Elementary	31	67.7	8.4	14.3

District	School	School Level	2012 N	2012 % Prof.	SE	Difference 2011-2012
North Kingstown	Fishing Cove Elementary School	Elementary	34	58.8	8.4	7.4
	Forest Park Elementary School	Elementary	50	62.0	6.9	3.3
	Hamilton Elementary School	Elementary	108	72.2	4.3	1.6
	Stony Lane Elementary School	Elementary	72	69.4	5.4	-6.6
	Suzanne M. Henseler Quidnesset Elem. Sch.	Elementary	72	50.0	5.9	16.7
	Wickford Middle School	Middle	141	68.8	3.9	17.8
North Providence	Dr. Joseph A Whelan Elementary School	Elementary	30	63.3	8.8	29.0
	James L. McGuire School	Elementary	51	54.9	7.0	-4.2
	Stephen Olney School	Elementary	52	51.9	6.9	-14.7
North Smithfield	Dr. Harry L. Halliwell Memorial School	Elementary	139	53.2	4.2	-3.6
	North Smithfield High School	High	132	50.0	4.4	24.6
Portsmouth	Portsmouth High School	High	219	58.0	3.3	3.3
	Portsmouth Middle School	Elementary	190	71.1	3.3	13.1
Providence	Robert F. Kennedy Elementary School	Elementary	78	52.6	5.7	16.6
Scituate	Clayville Elementary School	Elementary	37	59.5	8.1	-12.8
	Hope Elementary School	Elementary	41	70.7	7.1	13.6
	North Scituate Elementary School	Elementary	39	56.4	7.9	-8.9
	Scituate High School	High	114	59.6	4.6	8.7
Smithfield	Raymond C. LaPerche School	Elementary	50	74.0	6.2	-11.7
South Kingstown	Matunuck School	Elementary	64	70.3	5.7	-4.7
	Peace Dale Elementary School	Elementary	73	67.1	5.5	-6.4
	South Kingstown High School	High	261	56.3	3.1	5.7
	Wakefield Elementary School	Elementary	47	72.3	6.5	3.6
	West Kingston Elementary School	Elementary	54	66.7	6.4	10.7
The Compass School	The Compass School	Middle	18	66.7	11.1	16.7
Tiverton	Walter E. Ranger School	Elementary	65	53.8	6.2	-6.6
Warwick	Cedar Hill School	Elementary	53	69.8	6.3	11.3
	E. G. Robertson School	Elementary	48	56.3	7.2	-5.1
	Harold F. Scott School	Elementary	39	61.5	7.8	4.7
	Randall Holden School	Elementary	43	55.8	7.6	-8.5
	Warwick Neck School	Elementary	38	50.0	8.1	8.0
Westerly	Bradford Elementary School	Elementary	15	60.0	12.6	-1.9
	Springbrook Elementary School	Elementary	60	65.0	6.2	10.7
	State Street School	Elementary	66	62.1	6.0	-17.2
	Westerly High School	High	220	51.4	3.4	7.7

Key

SE = Standard error (see Appendix B)

 = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results


 = No statistically significant difference from 2011 to 2012 results

Table 22. Schools with 24.5% to 49.4% student proficiency in 2012 (sorted by % proficient or above).

District	School	School Level	2012 N	2012 % Prof.	SE	Difference 2011-2012
Beacon Charter School	Beacon Charter School	High	56	44.6	6.6	16.7
Bristol Warren	Kickemuit Middle School	Middle	274	41.2	3.0	15.7
	Mt. Hope High School	High	238	41.6	3.2	5.0
Burrillville	Burrillville High School	High	165	30.3	3.6	5.0
	Burrillville Middle School	Middle	174	34.5	3.6	11.6
	William L. Callahan School	Elementary	85	48.2	5.4	-1.8
Chariho	Chariho Regional High School	High	264	47.3	3.1	9.6
Coventry	Alan Shawn Feinstein Middle School	Middle	412	38.1	2.4	-2.0
	Coventry High School	High	381	33.6	2.4	3.7
	Hopkins Hill School	Elementary	69	46.4	6.0	2.3
Cranston	Arlington School	Elementary	25	40.0	9.8	13.1
	Cranston High School West	High	413	40.2	2.4	6.9
	Edgewood Highland School	Elementary	42	28.6	7.0	-4.8
	Garden City School	Elementary	48	43.8	7.2	-9.9
	George J. Peters School	Elementary	43	44.2	7.6	-8.8
	Glen Hills School	Elementary	59	49.2	6.5	3.9
	Park View Middle School	Middle	240	30.0	3.0	6.5
	Stadium School	Elementary	53	47.2	6.9	-7.9
	Western Hills Middle School	Middle	341	36.7	2.6	7.4
Cumberland	Ashton School	Elementary	60	46.7	6.4	1.6
	B.F. Norton Elementary School	Elementary	59	28.8	5.9	10.4
	Cumberland High School	High	322	37.6	2.7	8.6
	Garvin Memorial School	Elementary	59	49.2	6.5	.6
	Joseph L. McCourt Middle School	Middle	174	27.0	3.4	7.9
	North Cumberland Middle School	Middle	210	47.1	3.4	1.8
Davies Career-Tech	Wm. M. Davies Jr. Career-Technical School	High	168	27.4	3.4	14.3
East Providence	Agnes B. Hennessey School	Elementary	44	27.3	6.7	6.0
	East Providence High School	High	355	45.1	2.6	15.9
	Emma G. Whiteknact School	Elementary	47	31.9	6.8	7.4
	James R. D. Oldham School	Elementary	23	47.8	10.4	28.6
	Kent Heights School	Elementary	44	36.4	7.3	5.8
	Myron J. Francis Elementary School	Elementary	73	45.2	5.8	-8.1
	Orlo Avenue School	Elementary	42	26.2	6.8	3.7
	Riverside Middle School	Middle	200	29.0	3.2	-.7
Exeter-West Greenwich	Exeter-West Greenwich Regional Jr. High School	Middle	133	42.1	4.3	7.7
Foster	Captain Isaac Paine Elementary School	Elementary	43	44.2	7.6	-23.1
Foster-Glocester	Ponaganset High School	High	179	36.3	3.6	4.0
	Ponaganset Middle School	Middle	184	32.6	3.5	2.4
Glocester	Fogarty Memorial School	Elementary	63	49.2	6.3	-6.0
	West Glocester Elementary	Elementary	42	45.2	7.7	-19.9
Highlander Charter School	Highlander Charter School	Middle	17	35.3	11.6	27.0
International Charter	International Charter School	Elementary	54	29.6	6.2	-16.4
Jamestown	Jamestown School-Lawn	Middle	48	47.9	7.2	-15.1
Johnston	Johnston Senior High School	High	184	29.3	3.4	9.8
	Nicholas A. Ferri Middle School	Middle	289	26.0	2.6	-1.9
Lincoln	Lincoln Middle School	Middle	287	34.5	2.8	.4
Little Compton	Wilbur and McMahon Schools	Middle	36	44.4	8.3	8.5
Middletown	Joseph H. Gaudet Learning Academy	Elementary	194	43.3	3.6	4.9
	Joseph H. Gaudet School	Middle	182	26.4	3.3	-11.6
Narragansett	Narragansett Pier School	Middle	100	44.0	5.0	2.2
New Shoreham	Block Island School	High	12	41.7	14.2	.8
Newport	Coggeshall School	Elementary	35	48.6	8.4	-12.5
	Cranston - Calvert School	Elementary	39	35.9	7.7	-7.0
	Rogers High School	High	146	29.5	3.8	17.6
North Kingstown	Davisville Middle School	Middle	185	43.8	3.6	-19.6
	North Kingstown Senior High School	High	371	41.0	2.6	11.6

District	School	School Level	2012 N	2012 % Prof.	SE	Difference 2011-2012
North Providence	Centredale School	Elementary	40	40.0	7.7	3.6
	Greystone School	Elementary	48	39.6	7.1	8.5
	Marieville Elementary School	Elementary	36	27.8	7.5	4.4
North Smithfield	North Smithfield Middle School	Middle	143	46.9	4.2	12.7
Paul Cuffee Charter School	Paul Cuffee Charter School	Elementary	53	45.3	6.8	24.9
	Paul Cuffee Charter School	Middle	58	31.0	6.1	15.6
Pawtucket	Curvin-McCabe School	Elementary	64	31.3	5.8	-8.4
	Elizabeth Baldwin School	Elementary	109	29.4	4.4	5.6
	Flora S. Curtis Memorial School	Elementary	31	25.8	7.9	7.6
	Francis J. Varieur School	Elementary	53	35.8	6.6	-9.6
	Nathanael Greene School	Elementary	75	26.7	5.1	.2
Portsmouth	Portsmouth Middle School	Middle	192	49.0	3.6	5.5
Providence	Anthony Carnevale Elementary School	Elementary	100	36.0	4.8	-3.2
	Classical High School	High	256	43.4	3.1	14.0
	Dr. Martin Luther King, Jr. Elem. School	Elementary	101	25.7	4.4	2.2
	Times2 Academy	Elementary	51	27.5	6.2	11.1
	Vartan Gregorian Elementary School	Elementary	77	42.9	5.6	1.6
	William D'Abate Elementary School	Elementary	77	28.6	5.1	17.9
Scituate	Scituate Middle School	Middle	153	35.9	3.9	-1.3
Smithfield	Smithfield Senior High School	High	179	41.9	3.7	-2.7
	Vincent J. Gallagher Middle School	Middle	216	42.1	3.4	-7.0
South Kingstown	Curtis Corner Middle School	Middle	309	45.0	2.8	-12.3
The Greene School	The Greene School	High	39	48.7	8.0	n/a
The Learning Community	The Learning Community Charter School	Elementary	63	28.6	5.7	.7
Tiverton	Pocasset School	Elementary	46	47.8	7.4	.8
	Tiverton High School	High	150	39.3	4.0	.4
	Tiverton Middle School	Middle	161	29.2	3.6	9.7
Warwick	Cottrell F. Hoxsie School	Elementary	55	32.7	6.3	-4.5
	Francis School	Elementary	47	48.9	7.3	4.8
	Greenwood School	Elementary	49	46.9	7.1	11.6
	Holliman School	Elementary	57	45.6	6.6	6.6
	John Wickes School	Elementary	44	36.4	7.3	-3.9
	Lippitt School	Elementary	24	45.8	10.2	19.7
	Norwood School	Elementary	34	41.2	8.4	9.2
	Oakland Beach Elementary School	Elementary	50	42.0	7.0	15.5
	Park School	Elementary	38	42.1	8.0	4.0
	Sherman School	Elementary	58	32.8	6.2	6.1
	Toll Gate High School	High	220	24.5	2.9	3.9
	Winman Junior High School	Middle	264	28.0	2.8	2.5
Wyman School	Elementary	50	38.0	6.9	-1.5	
West Warwick	Greenbush Elementary School	Elementary	88	38.6	5.2	.0
	John F. Horgan Elementary School	Elementary	95	35.8	4.9	10.3
	Wakefield Hills Elementary School	Elementary	66	39.4	6.0	-4.4
	West Warwick Senior High School	High	213	24.9	3.0	9.8
Westerly	Westerly Middle School	Middle	241	42.7	3.2	2.0
Woonsocket	Bernon Heights School	Elementary	76	36.8	5.5	-2.6
	Globe Park School	Elementary	69	40.6	5.9	2.8

Key

- SE = Standard error (see Appendix B)
- = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results
- = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results
- n/a = Data not available

Table 23. Schools with <24.5% student proficiency in Science in 2012.

District	School	School Level	2012 N	2012 % Prof.	SE	Difference 2011-2012
Blackstone Academy	Blackstone Academy Charter School	High	41	19.5	6.2	3.7
Central Falls	Central Falls Senior High School	High	191	13.1	2.4	7.2
	Dr. Earl F. Calcutt Middle School	Middle	186	6.5	1.8	3.7
	Ella Risk School	Elementary	141	6.4	2.1	-13.9
	Veterans Memorial Elementary	Elementary	100	16.0	3.7	-5.2
Cranston	Cranston High School East	High	332	22.6	2.3	5.1
	Gladstone Street School	Elementary	95	20.0	4.1	-2.3
	Hugh B. Bain Middle School	Middle	204	21.1	2.9	-.5
	NEL/CPS Construction Career Academy	High	50	6.0	3.4	2.2
DCYF	DCYF Alternative Education Program	High	14	-	-	-
East Providence	Edward R. Martin Middle School	Middle	222	19.4	2.7	3.7
Highlander Charter School	Highlander Charter School	Elementary	36	13.9	5.8	-8.3
Metropolitan Regional Career	Metropolitan Regional Career and Technical S	High	207	3.9	1.3	-2.6
Newport	Dr. M. H. Sullivan School	Elementary	45	20.0	6.0	1.8
	Frank E. Thompson Middle School	Middle	154	17.5	3.1	-.8
North Providence	Birchwood Middle School	Middle	135	17.0	3.2	6.5
	Dr. Edward A. Ricci Middle School	Middle	128	12.5	2.9	4.1
	North Providence High School	High	231	19.9	2.6	2.3
Pawtucket	Agnes E. Little School	Elementary	55	21.8	5.6	-3.6
	Fallon Memorial School	Elementary	68	16.2	4.5	-4.6
	Goff Junior High School	Middle	251	7.2	1.6	-2.3
	Henry J. Winters School	Elementary	52	11.5	4.4	.4
	Jacqueline M. Walsh Sch. for Perf. & Visual Arts	High	20	20.0	8.9	-5.0
	Joseph Jenks Junior High School	Middle	140	5.0	1.8	.1
	M. Virginia Cunningham School	Elementary	86	17.4	4.1	1.7
	Potter-Burns School	Elementary	75	16.0	4.2	-3.5
	Samuel Slater Junior High School	Middle	266	8.6	1.7	1.5
	Shea Senior High School	High	201	7.5	1.9	.9
	William E Tolman Senior High School	High	241	18.7	2.5	6.7
Providence	Academy for Career Exploration (ACES)	High	56	8.9	3.8	4.8
	Alan Shawn Feinstein Elementary	Elementary	68	17.6	4.6	-6.5
	Alfred Lima, Sr. Elementary School	Elementary	180	20.0	3.0	10.9
	Asa Messer Elementary School	Elementary	103	5.8	2.3	-6.3
	Carl G. Lauro Elementary School	Elementary	133	13.5	3.0	-6.0
	Central High School	High	184	3.3	1.3	.5
	Cornel Young and Charlotte Woods Elem. School	Elementary	103	1.0	1.0	-3.0
	Dr. Jorge Alvarez High School	High	96	-	-	-
	E-Cubed Academy	High	78	6.4	2.8	3.8
	Esek Hopkins Middle School	Middle	213	1.4	.8	-.5
	Frank D. Spaziano Avenue Elementary School	Elementary	106	16.0	3.6	3.5
	George J. West Elementary School	Elementary	123	12.2	3.0	-1.4
	Gilbert Stuart Middle School	Middle	247	-	-	-
	Governor Christopher DelSesto Middle School	Middle	327	1.2	.6	-2.6
	Harry Kizirian Elementary School	Elementary	104	16.3	3.6	-6.4

District	School	School Level	2012 N	2012 % Prof.	SE	Difference 2011-2012
Providence	Hope Arts School	High	101	2.0	1.4	1.2
	Hope Information Technology School	High	108	1.9	1.3	.8
	Lillian Feinstein Elementary School	Elementary	79	11.4	3.6	-1.4
	Mary E. Fogarty Elementary School	Elementary	77	3.9	2.2	-4.4
	Mount Pleasant High School	High	155	1.9	1.1	-1.2
	Nathan Bishop Middle School	Middle	243	13.2	2.2	13.2
	Nathanael Greene Middle School	Middle	314	14.3	2.0	-6.2
	Pleasant View School	Elementary	46	13.0	5.0	4.9
	Providence Career and Technology High School	High	90	1.1	1.1	-4
	Reservoir Avenue School	Elementary	26	23.1	8.3	-10.3
	Robert L Bailey IV, Elementary School	Elementary	62	6.5	3.1	2.1
	Roger Williams Middle School	Middle	257	-	-	-
	Times2 Academy	High	41	19.5	6.2	-4.2
	Times2 Academy	Middle	58	3.4	2.4	-5.0
	Veazie Street School	Elementary	97	15.5	3.7	-5.0
	Webster Avenue School	Elementary	58	12.1	4.3	-18.2
William B. Cooley Senior High School	High	134	1.5	1.0	.3	
RI Nurses Institute	RI Nurses Institute Middle College	High	65	12.3	4.1	n/a
Segue Institute for Learning	Segue Institute for Learning	Middle	57	5.3	3.0	n/a
The Learning Community	The Learning Community Charter School	Middle	37	5.4	3.7	n/a
Trinity Academy	Trinity Academy for the Performing Arts	Middle	34	8.8	4.9	n/a
UCAP	Urban Collaborative Accelerated Program	Middle	63	1.6	1.6	1.6
Warwick	Aldrich Junior High School	Middle	263	21.3	2.5	1.3
	Gorton Junior High School	Middle	262	21.0	2.5	1.0
	Pilgrim High School	High	265	23.4	2.6	5.8
	Warwick Veterans Memorial High School	High	225	18.7	2.6	8.1
West Warwick	John F. Deering Middle School	Middle	255	12.9	2.1	-2.2
Woonsocket	Citizens Memorial School	Elementary	86	14.0	3.7	-9.5
	Harris School	Elementary	74	20.3	4.7	-6.3
	Kevin K. Coleman Elementary Sc	Elementary	74	13.5	4.0	-.8
	Leo A. Savoie School	Elementary	70	24.3	5.1	-5.9
	Woonsocket High School	High	326	12.9	1.9	2.9
	Woonsocket Middle School	Middle	463	9.7	1.4	4.7

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *decrease* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

■ = Statistically significant *increase* in percent of students proficient or above from 2011 to 2012 results and/or 2008 to 2012 results

 = No statistically significant difference from 2011 to 2012 results and/or 2008 to 2012 results

- = Percent proficient <1%. Results cannot be publicly reported (see Appendix A for explanation)

n/a = Data not available

APPENDICES

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APPENDIX A

Glossary of Terms

Minimum Cell Size

RIDE Policy on minimum cell size for reporting data stipulates that if $n < 10$ and/or if the percent proficient is $< 1\%$ for any group(s) or for any school and district level reporting, then data must be suppressed in public reports.

NECAP Performance Level Descriptors

- ***Proficient with Distinction:*** Students performing at this level demonstrate the prerequisite knowledge and skills needed to participate and excel in instructional activities aligned with the GSEs at the current grade level. Errors made by these students are few and minor and do not reflect gaps in prerequisite knowledge and skills.
- ***Proficient:*** Students performing at this level demonstrate minor gaps in the prerequisite knowledge and skills needed to participate and perform successfully in instructional activities aligned with the GSE at the current grade level. It is likely that any gaps in prerequisite knowledge and skills demonstrated by these students can be addressed during the course of typical classroom instruction.
- ***Partially Proficient:*** Students performing at this level demonstrate gaps in prerequisite knowledge and skills needed to participate and perform successfully in instructional activities aligned with the GSE at the current grade level. Additional instructional support may be necessary for these students to meet grade level expectations.
- ***Substantially Below Proficient:*** Students performing at this level demonstrate extensive and significant gaps in prerequisite knowledge and skills needed to participate and perform successfully in instructional activities aligned with the GSE at the current grade level. Additional instructional support is necessary for these students to meet grade level expectations.

APPENDIX B

Standard Error (SE)

For the purposes of this report, *Standard Error* (SE) is defined as a measurement of the standard error of a percentage (e.g., % *Proficient*, used throughout this report). Mathematically, SE's were calculated as follows:

$(SE) = \sqrt{\left(\frac{pq}{N}\right)}$, where p is the percent of students who are proficient, $q = (100-p)$ and N is the population or group size.

It is important to note that the derived SE is based on the size of the group being examined and its respective performance (read: % *Proficient*) on the NECAP tests. Standard errors can be used to create a confidence interval around the derived percentage so that you can see the range in which the “true” (e.g., measured without error) value is located. To do so, you can take the SE and multiply it by 1.96 (for a 95% confidence interval). The resultant product is then added and subtracted from the percent proficient, p , for example, to create a range of values in which you can be 95% confident that the “true” value is located. For example, viewing the percent proficient (p) as the center point, if one adds the value of SE(1.96) to p and also subtracts this value from p , then the full confidence interval is created with both an upper and lower boundary. So, if p equals 70% and the SE equals .5, then the product of SE and 1.96 equals .5(1.96) or .965. Adding and subtracting this number from 70% creates the confidence interval, which ranges from 69.04% to 70.97%. This is the range in which one can be 95% confident that the “true” value exists.

When comparing the performance of any two years or groups, we say that the difference in performance between the groups is *statistically significant* if the difference in performance between the two groups is larger than the sum of the SE's of the two groups. In other words, if the sum of the two SE's—each multiplied by 1.96 to get the 95% confidence interval—is larger than the value of the difference in performance between the two groups, then we say the difference is too small to be significant or meaningful because the difference doesn't fall outside of the range of plausible “true” values. To illustrate this point, let's say that 60% of 4th grade students at *School X* were proficient or above in science in 2011 and the following year in 2012, 66% of 4th grade students were proficient or above, thus resulting in an increase of +6 percentage points. If the sum of the 2011 SE(1.96) and the 2012 SE(1.96) is 6.5, then the change from 2011 to 2012 in 4th grade science performance of +6 percentage points at *School X* is not large enough to be considered statistically significant. On the other hand, if 67% of 4th graders in 2012 were proficient or above, then the +7 percentage point increase in performance would be larger than the standard error of 6.5 and this difference would be statistically significant.