

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

May 2011 Test Administration

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EXECUTIVE SUMMARY

Results of the New England Common Assessment Program (NECAP) Science test, administered back in May 2011 to students in grades 4, 8, and 11, revealed that at the *state level*, roughly 32 percent of all Rhode Island public school students were proficient or above in science (up 3 percentage points from the May 2010 administration). Additionally, there were lower percentages of students across the state in all 3 tested grades who scored in the *substantially below proficient* category.

In 4th grade approximately 44 percent of students were *proficient* or above in science, representing no statistically significant difference from last year's results. In Grade 8, roughly 25 percent of students were at or above *proficient*, representing the second largest gain (up 3%) of the three grades tested compared to results from last year's test administration. Grade 11 had the largest gain (up 5%), with roughly 26 percent of students across the state scoring at or above *proficient* in science.

Rhode Island students continue to lag behind their peers in New Hampshire and Vermont on the NECAP Science Assessment. Results indicate that Rhode Island students in 4th grade are the furthest behind their peers, with an 11 point and 9 point difference compared to 4th graders in New Hampshire and Vermont, respectively. Results are more encouraging at grades 8 and 11 where the gap is narrowing. This year, Rhode Island 8th graders were only 3 and 4 percentage points behind their peers in New Hampshire and Vermont, respectively whereas last year the difference was 4 and 6 points, respectively. In 11th grade, the gap between our students and students in New Hampshire and Vermont has narrowed from 3 and 7 points, respectively in 2010 to 1 and 5 points, respectively in 2011.

Statewide aggregated results of various student groups show that achievement gaps in science are closing for some groups and remaining the same or widening for others. For example, the achievement gap between Black and White students and between Hispanic and White students in 4th grade decreased by 3 and 1 percentage points, respectively, compared to last year, but both achievement gaps *increased* by at least 2 percentage points in grades 8 and 11, respectively. However, it bears noting that while these achievement gaps are, in fact, statistically significant, the increases in the percentage of Black students and of Hispanic students who were proficient or above were not statistically significant. The most dramatic, statistically significant *increase* in student achievement in science occurred in 8th grade, where 36.5% of Asian students were proficient or above, representing a 10 percentage point gain over last year's results. Economically disadvantaged students also experienced statistically significant gains, up roughly 2 and 3 points, respectively in grades 8 and 11. Lastly, students with IEPs in 11th grade had statistically significant gains for the first time, up 2.5 percentage points compared to last year.

At the *district level*, 11 districts made statistically significant gains in 2011 compared to last year's results while 7 of these districts made statistically significant gains not only this year but also gains compared to how they did back in 2008 in the same grade. While other changes from 2010 to 2011 performance in all other districts were not considered statistically significant, it bears noting that a total of 28 districts have made statistically significant improvement compared to their initial performance during the very first administration of the NECAP Science Assessment back in 2008.

At the *school level*, 2 elementary schools demonstrated statistically significant gains while 2 others had statistically significant losses compared last year's results. Only 1 elementary school posted statistically significant gains this year as well as gains compared to how it did back in 2008 and 2 schools had statistically significant losses compared to their results in 2008. At the middle school level, 8 schools had statistically significant gains and no schools had statistically significant losses. Of these 8 middle schools, 4 also had statistically significant higher percentages of students proficient or above in science this year compared to their respective 2008 percentages. At the high school level, results were similar to those of the middle school level in that 6 schools had statistically significant gains, no schools had significant losses, and 4 of the 6 schools with gains had a statistically significant higher percentage of students who were proficient or above in science this year compared to their respective 2008 percentages.

While changes from 2010 to 2011 in performance in all other schools were not considered statistically significant, it bears noting that a total of 49 schools (18 elementary schools, 11 middle schools, and 20 high schools) across the state have made statistically significant improvement in science achievement this year compared to their respective performance back in 2008. It also bears noting that there were 15 schools (all of them elementary schools) in which 74.5% or more of the students achieved proficiency or better in science and 71 schools (59 elementary, 7 middle, and 5 high) in which 50% to 74.4% of students achieved proficiency. On the opposite end of the spectrum are those schools where less than 24.5% of the students achieved proficiency. This year, 102 schools comprising 41 elementary schools, 31 middle schools, and 30 high schools across the state had 24.4% or fewer students reach proficiency in science. Of these 102 schools, 44 had less than 9.5% achieve proficiency (9 elementary schools, 18 middle schools, and 17 high schools).

Overall, however, while there were some notable increases in the percentage of students who scored at or above proficient on the NECAP Science assessment in various student subgroups 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.

STATE-LEVEL RESULTS

QUESTION 1:

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

RESPONSE:

At the *state level*, roughly 32 percent of all Rhode Island public school students were proficient or above in science (up 3 percentage points from the previous administration in May 2010). Additionally, there were lower percentages of students across the state in all 3 tested grades who scored in the *substantially below proficient* category.

In general, compared to last year's statewide aggregated results, there were statistically significant increases in science proficiency rates of 8th and 11th graders while the rates remained constant for 4th grade students.

SUPPORTING DATA:

Statewide performance on the NECAP Science Assessment is shown below in Tables 1 through 9 and in Figures 1 through 7.

Table 1. NECAP Science Statewide Results by Achievement Level: 2009, 2010, and 2011.

Grade	% SBP 2009	% PP 2009	% P 2009	% PwD 2009	Total % Prof. 2009	SE	% SBP 2010	% PP 2010	% P 2010	% PwD 2010	Total % Prof. 2010	SE	% SBP 2011	% PP 2011	% P 2011	% PwD 2011	Total % Prof. 2011	SE	Difference in Total % Proficient, 2010-2011
ALL	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	2.9
4 th	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	-0.4
8 th	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	2.8
11 th	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	5.2

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 2010 to 2011 results = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results = No statistically significant difference from 2010 to 2011 results

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 students continue to lag behind their peers in New Hampshire and Vermont on the NECAP Science Assessment. Results indicate that Rhode Island students in 4th grade are the furthest behind their peers, with an 11 point and 9 point difference compared to 4th graders in New Hampshire and Vermont, respectively. Results are more encouraging at grades 8 and 11 where the gap is narrowing. This year, Rhode Island 8th graders were only 3 and 4 percentage points behind their peers in New Hampshire and Vermont, respectively whereas last year the difference was 4 and 6 points, respectively. In 11th grade, the gap between our students and students in New Hampshire and Vermont has narrowed from 3 and 7 points, respectively in 2010 to 1 and 5 points, respectively in 2011.

SUPPORTING DATA:

The state-by-state comparisons are shown below in Tables 3, 4, and 5.

Table 2. 2008 to 2011 percent¹ of Grade 4 students at/above “Proficient” results by state.²

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

Table 3. 2008 to 2011 percent³ of Grade 8 students at/above “Proficient” results by state.⁴

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

Table 4. 2008 to 2011 percent⁵ of Grade 11 students at/above “Proficient” results by state.⁶

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

¹ All percentages have been rounded to the nearest whole number.² Maine does not administer the NECAP Science assessment.³ All percentages have been rounded to the nearest whole number.⁴ Maine does not administer the NECAP Science assessment.⁵ All percentages have been rounded to the nearest whole number.⁶ Maine does not administer the NECAP Science assessment.

QUESTION 3:

How did various student groups perform on the NECAP Science assessment?

RESPONSE:

Statewide aggregated results of various student groups show that achievement gaps in science are closing for some groups and remaining the same or widening for others. For example, the achievement gap between Black and White students and between Hispanic and White students in 4th grade decreased by 3 and 1 percentage points, respectively, compared to last year, but both achievement gaps *increased* by at least 2 percentage points in grades 8 and 11, respectively. However, it bears noting that while these achievement gaps are, in fact, statistically significant, the increases in the percentage of Black students and of Hispanic students who were proficient or above were not statistically significant. The most dramatic, statistically significant *increase* in student achievement in science occurred in 8th grade, where 36.5% of Asian students were proficient or above, representing a 10 percentage point gain over last year's results. Economically disadvantaged students also experienced statistically significant gains, up roughly 2 and 3 points, respectively in grades 8 and 11. Lastly, students with IEPs in 11th grade had statistically significant gains for the first time, up 2.5 percentage points compared to last year.

SUPPORTING DATA:

Table 5 provides an overview of various student group 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 1 through 7 provide graphical displays of the achievement gaps.

Table 5. Statewide Group Performance on NECAP Science Assessment: 2008 to 2011

Group	4 th Grade					8 th Grade					11 th Grade				
	2008	2009	2010	2011	Diff. 2011- 2010	2008	2009	2010	2011	Diff. 2011- 2010	2008	2009	2010	2011	Diff. 2011- 2010
State Average	36.4	40.3	44.1	43.7	-0.4	18.7	17.6	22.6	25.4	2.9	16.4	19.4	20.5	25.7	5.2
Males	35.5	39.5	44.3	42.4	-2.0	19.7	18.7	22.8	26.1	3.3	17.1	20.1	21.1	26.1	5.1
Females	37.4	41.1	43.9	45.2	1.3	17.8	16.3	22.3	24.7	2.4	15.8	18.8	19.9	25.2	5.3
IEP	17.9	16.1	14.7	11.3	-3.4	4.2	3.6	3.8	4.5	0.8	2.8	2.9	2.5	5.0	2.5
Non-IEP	40.2	44.8	49.0	48.0	-1.0	21.9	20.5	26.4	28.9	2.4	18.9	22.0	23.6	28.6	5.1
LEP	5.2	5.7	6.8	7.1	0.2	1.4	0.0	1.5	0.8	-0.8	0.4	0.4	0.8	1.7	0.9
LEP Monitored	17.5	19.2	18.0	22.7	4.7	1.4	2.6	4.4	2.8	-1.7	0.0	1.2	0.0	1.5	1.5
Non-LEP	39.1	42.8	47.3	47.1	-0.2	19.6	18.3	23.6	26.7	3.1	17.0	20.0	21.1	26.6	5.4
Econ. Disadvantaged	18.2	18.8	24.8	25.3	0.6	5.4	5.6	7.4	9.2	1.8	4.6	6.3	7.6	10.6	3.0
Non-Econ. Disadv.	49.9	56.3	61.4	61.0	-0.4	27.0	25.5	33.7	38.5	4.8	20.8	25.3	27.4	34.3	7.0
American Indian	22.1	20.3	24.2	27.0	2.8	8.1	4.3	15.0	13.1	-1.9	11.5	10.5	11.1	14.9	3.7
Asian	36.3	37.3	49.6	46.7	-2.9	18.3	18.7	26.4	36.5	10.1	22.1	21.3	28.2	26.0	-2.2
Black	16.4	17.3	18.9	22.1	3.2	4.4	3.7	5.6	8.2	2.6	2.6	4.4	4.5	7.2	2.7
Hispanic	12.9	14.8	18.2	19.6	1.4	2.3	3.0	5.1	6.5	1.4	3.1	4.5	5.7	7.5	1.8
White	46.2	50.3	55.3	55.6	0.3	24.9	23.0	29.2	33.4	4.2	20.5	24.4	25.5	32.6	7.1

Key

- = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results
- = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results
- = No statistically significant difference from 2010 to 2011 results

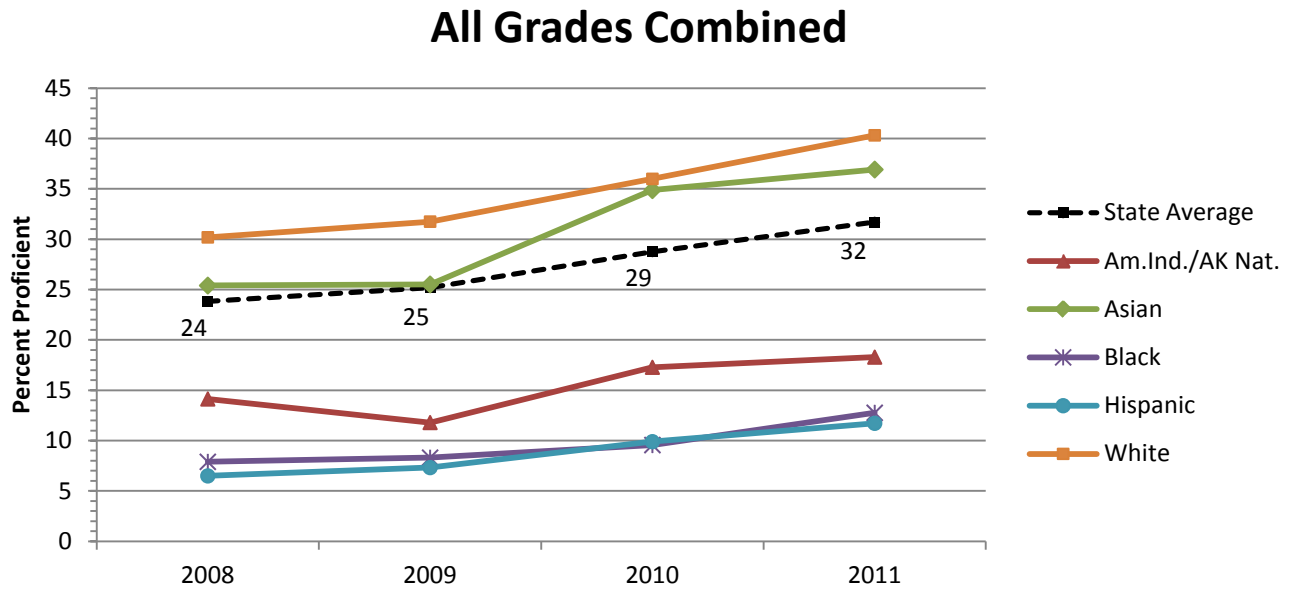
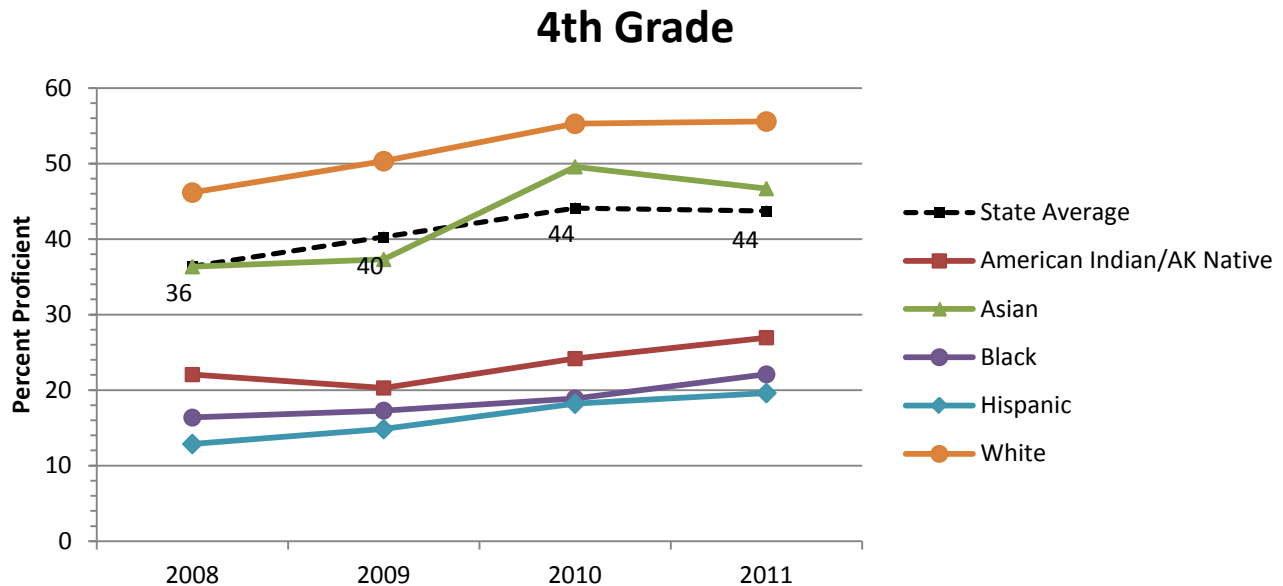
Figure 1. NECAP Science: Proficiency Rates by Race/Ethnicity (all grades combined).**Figure 2. NECAP Science 4th grade proficiency rates by race/ethnicity.**

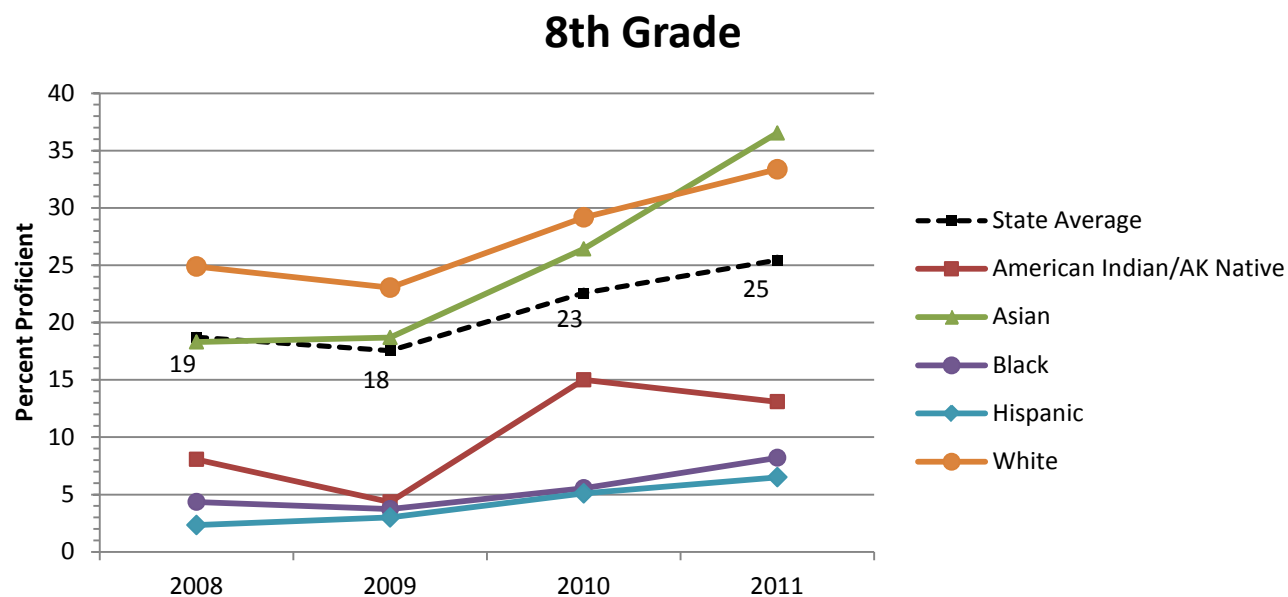
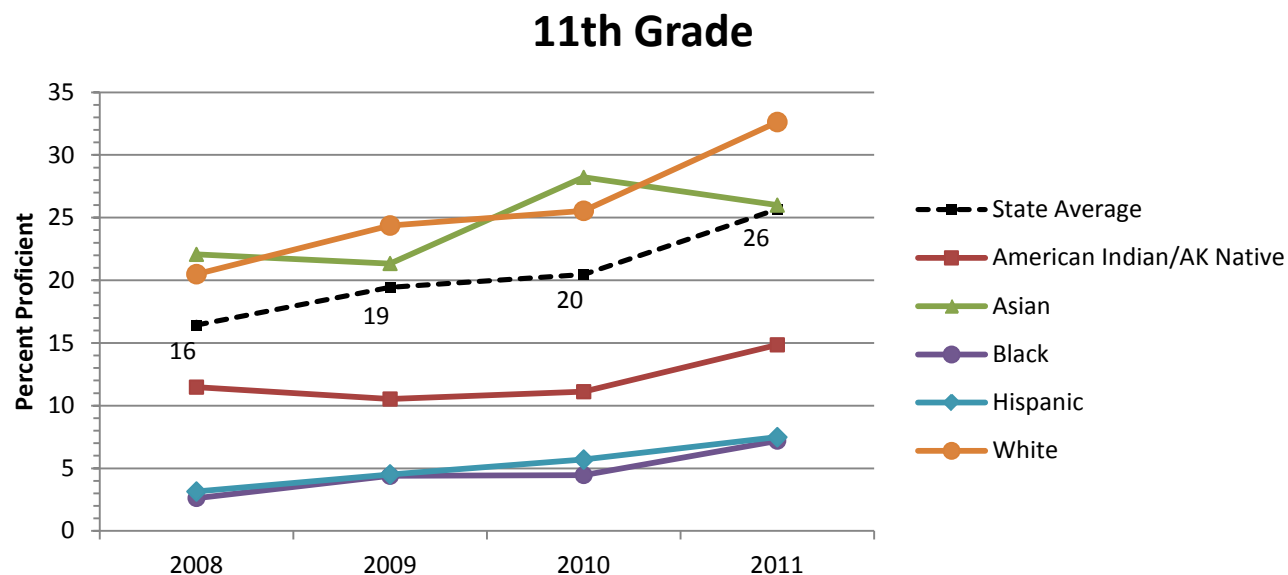
Figure 3. NECAP Science 8th grade proficiency rates by race/ethnicity.**Figure 4. NECAP Science 11th grade proficiency rates by race/ethnicity.**

Figure 5. NECAP Science 4th grade proficiency rates by group: IEP, LEP, LEP Monitored, and Economically Disadvantaged.

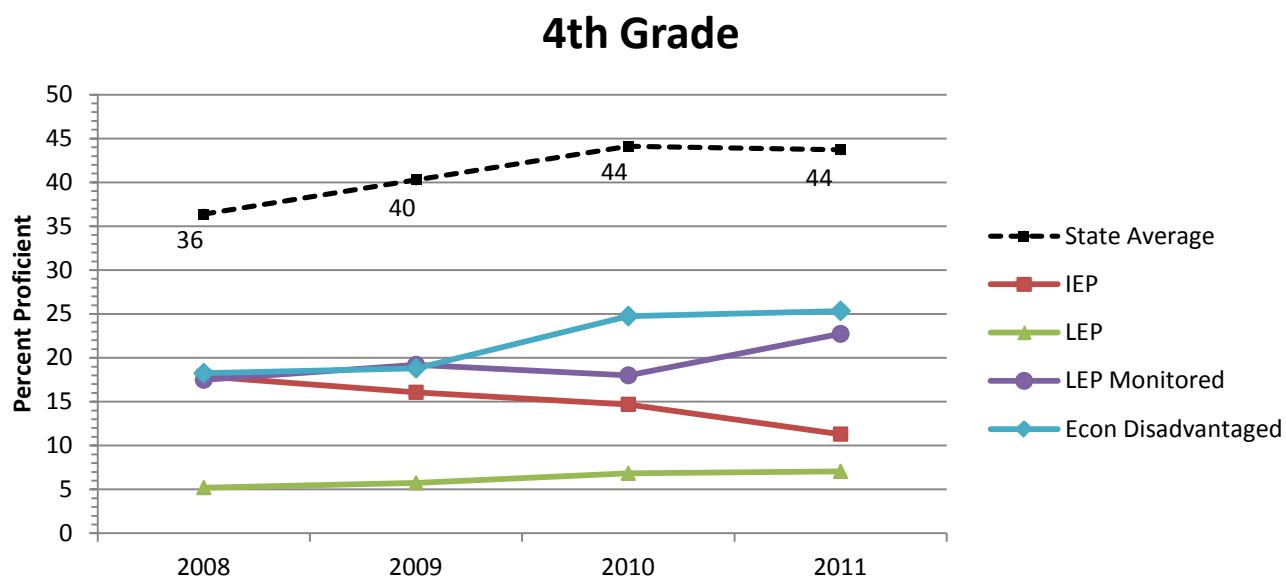


Figure 6. NECAP Science 8th grade proficiency rates by group: IEP, LEP, LEP Monitored, and Economically Disadvantaged.

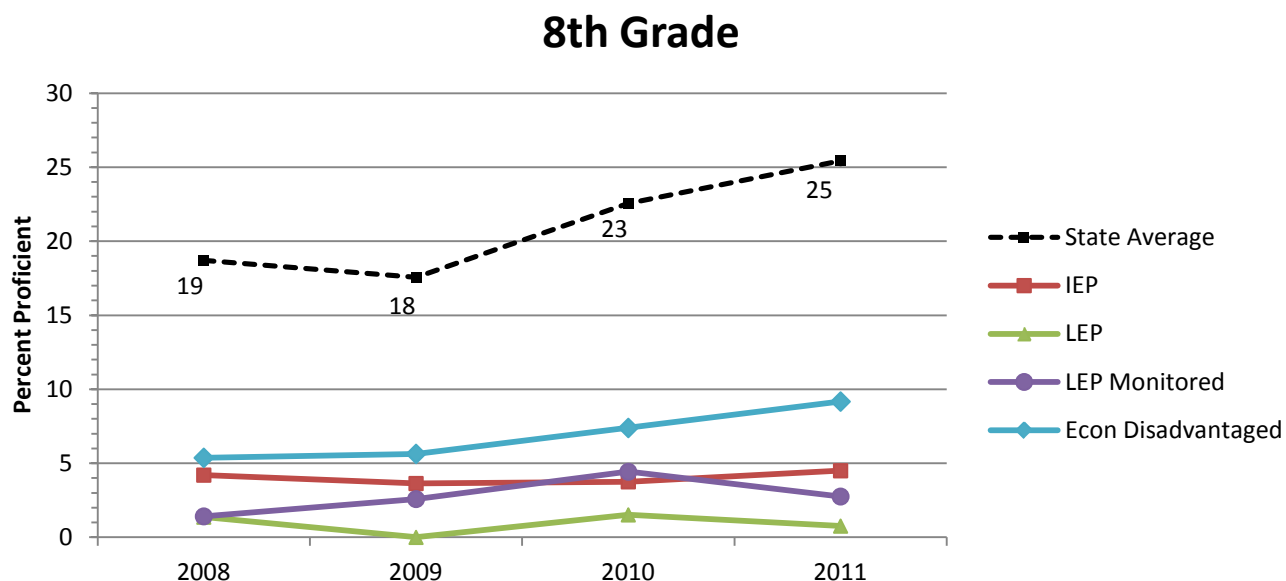
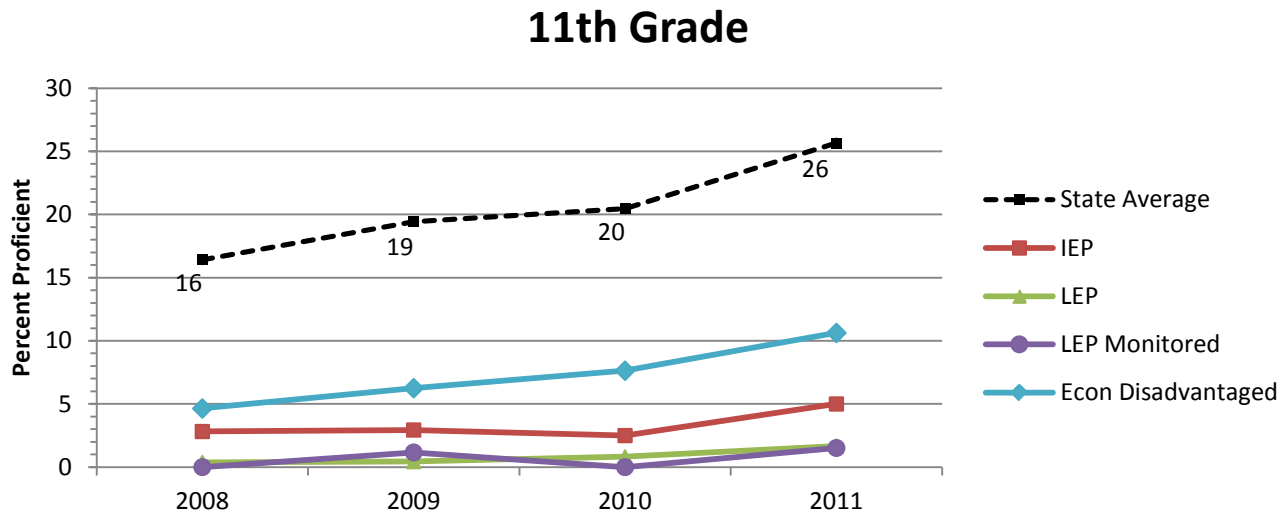


Figure 7. NECAP Science 11th grade proficiency rates by group: IEP, LEP, LEP Monitored, and Economically Disadvantaged.**Table 6. Science Achievement Gap: White Students vs. Black or Hispanic Students.**

Student Group	4 th Grade				8 th Grade				11 th Grade				ALL Grades Combined			
	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap
White Students*	55.6	0.6	-	-	33.4	0.6	-	-	32.6	0.6	-	-	40.3	0.3	-	-
Black Students	22.1	1.3	33.5	36.4	8.2	0.9	25.2	23.6	7.2	0.9	25.4	21.1	12.8	0.6	27.6	26.4
Hispanic Students	19.6	0.8	36.0	37.1	6.5	0.5	26.9	24.1	7.5	0.6	25.1	19.9	11.7	0.4	28.6	26.1

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 in 2011 and in 2010

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	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap
Students w/o IEPs*	48.0	0.5	-	-	28.9	0.5	-	-	28.6	0.5	-	-	35.3	0.3	-	-
Students w/IEPs	11.3	0.9	36.6	34.3	4.5	0.5	24.3	22.7	5.0	0.6	23.6	21.1	6.8	0.4	28.5	26.2

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 in 2011 and in 2010

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	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap
Non-LEP Students*	47.1	0.5	-	-	26.7	0.4	-	-	26.6	0.4	-	-	33.3	0.3	-	-
LEP Students	7.1	0.9	40.0	40.4	.8	0.4	25.9	22.1	1.7	0.7	24.9	20.3	4.2	0.5	29.1	26.1

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 in 2011 and in 2010**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	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap	% prof.	SE	2011 Gap	2010 Gap
Non-Econ. Disadv.*	61.0	0.7	-	-	38.5	0.6	-	-	34.3	0.6	-	-	43.9	0.4	-	-
Econ. Disadvantaged	25.3	0.6	35.6	36.6	9.2	0.4	29.3	26.3	10.6	0.5	23.7	19.8	15.7	0.3	28.3	25.6

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 in 2011 and in 2010

DISTRICT RESULTS

QUESTION:

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

RESPONSE:

At the *district level*, 11 districts (Burrillville, Bristol Warren, East Providence, Exeter-West Greenwich, Lincoln, The MET, Middletown, North Kingstown, South Kingstown, Tiverton, and Westerly) made statistically significant gains compared to last year's results in at least one grade. Moreover, 7 of these districts (Bristol Warren, East Providence, Exeter-West Greenwich, Middletown, North Kingstown, South Kingstown, and Westerly) made statistically significant gains not only this year but also gains compared to how they did back in 2008 in the same grade. While other changes from 2010 to 2011 performance in all other districts were not considered statistically significant, it bears noting that a total of 28 districts have made statistically significant improvement compared to their initial performance during the first administration of the NECAP Science Assessment back in 2008 (see Tables 12, 13, and 14 below). It also bears noting that East Providence and Westerly were the only districts in the state to have more than one grade level achieve statistically significant gains in science from 2010 to 2011 and also from 2008 to 2011.

SUPPORTING DATA:

Table 10 presents the districts that made statistically significant progress in science from 2010 to 2011 and from 2008 to 2011. Tables 11 through 13 present district results by grade while Figures 8 through 10 provide graphical representations of these results.

Table 10. Districts that Made Significant Progress (*by grade level*) from 2010 to 2011 and from 2008 to 2011 in at Least One Grade Level.

District	Grade Level	2010 N	2010 % Prof.	SE	2011 N	2011 % Prof.	SE	Diff. 2010-2011	Diff. 2008-2011
Bristol Warren	11th	258	19.0	2.4	246	36.6	3.1	17.6	17.6
East Providence	11th	414	8.0	1.3	412	28.2	2.2	20.2	20.0
East Providence (Riverside Middle School only)	8th	414	8.0	1.3	412	28.2	2.2	20.2	20.0
Exeter-West Greenwich	11th	150	18.7	3.2	139	45.3	4.2	26.7	19.7
Middletown	11th	135	24.4	3.7	148	43.2	4.1	18.8	27.5
North Kingstown	8th	338	44.1	2.7	334	57.5	2.7	13.4	27.5
South Kingstown	8th	274	43.1	3.0	274	57.3	3.0	14.2	13.4
Westerly	4th	217	48.8	3.4	222	65.3	3.2	16.5	17.0
Westerly	8th	238	26.9	2.9	262	40.5	3.0	13.6	14.7

Key

SE = Standard error (see Appendix B)

 = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results *and* from 2008 to 2011 results

Table 11. Percent of Students At/Above “Proficient” in Science by District: 4th Grade

District	2008			2009			2010			2011			Diff. 2010- 2011	Diff. 2008- 2011
	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	-9.1	-5.5
Bristol Warren	253	46.6	3.1	218	45.4	3.4	236	52.1	3.3	257	46.3	3.1	-5.8	-0.3
Burrillville	166	39.8	3.8	166	39.8	3.8	192	39.1	3.5	198	54.0	3.5	15.0	14.3
Central Falls	264	15.2	2.2	203	15.3	2.5	222	22.1	2.8	223	20.6	2.7	-1.4	5.5
Chariho	266	54.1	3.1	273	51.6	3.0	245	73.9	2.8	245	80.4	2.5	6.5	26.3
Coventry	413	46.2	2.5	364	46.7	2.6	400	60.8	2.4	390	55.6	2.5	-5.1	9.4
Cranston	781	50.3	1.8	722	48.9	1.9	760	50.8	1.8	855	51.6	1.7	.8	1.3
Cumberland	372	40.1	2.5	370	44.9	2.6	309	46.0	2.8	399	51.9	2.5	5.9	11.8
East Greenwich	200	58.0	3.5	146	70.5	3.8	184	76.6	3.1	189	79.9	2.9	3.3	21.9
East Providence	456	35.7	2.2	328	38.7	2.7	411	41.6	2.4	423	34.5	2.3	-7.1	-1.2
Exeter-West Greenwich	136	36.8	4.1	138	53.6	4.2	130	48.5	4.4	132	45.5	4.3	-3.0	8.7
Foster	57	56.1	6.6	35	62.9	8.2	44	59.1	7.4	55	67.3	6.3	8.2	11.1
Glocester	130	50.0	4.4	96	46.9	5.1	101	60.4	4.9	111	58.6	4.7	-1.8	8.6
Highlander Charter	17	23.5	10.3	18	16.7	8.8	36	8.3	4.6	36	22.2	6.9	13.9	-1.3
International Charter	49	10.2	4.3	49	22.4	6.0	47	21.3	6.0	50	46.0	7.0	24.7	35.8
Jamestown	45	42.2	7.4	56	67.9	6.2	52	71.2	6.3	39	76.9	6.7	5.8	34.7
Johnston	280	45.0	3.0	211	44.5	3.4	194	58.8	3.5	227	59.5	3.3	.7	14.5
Kingston Hill Academy	42	47.6	7.7	34	50.0	8.6	21	90.5	6.4	21	81.0	8.6	-9.5	33.3
Lincoln	258	51.6	3.1	227	59.0	3.3	216	58.3	3.4	266	66.9	2.9	8.6	15.4
Little Compton	34	50.0	8.6	45	53.3	7.4	34	73.5	7.6	24	70.8	9.3	-2.7	20.8
Middletown	176	38.6	3.7	190	47.9	3.6	169	45.6	3.8	188	37.8	3.5	-7.8	-0.9
Narragansett	77	50.6	5.7	86	58.1	5.3	108	48.1	4.8	107	65.4	4.6	17.3	14.8
New Shoreham	10	70.0	14.5	11	72.7	13.4	-	-	-	11	45.5	15.0	-26.0	-24.5
Newport	179	34.6	3.6	123	30.9	4.2	175	43.4	3.7	142	40.1	4.1	-3.3	5.5
North Kingstown	322	56.8	2.8	281	62.3	2.9	282	65.6	2.8	285	62.1	2.9	-3.5	5.3
North Providence	222	31.5	3.1	190	37.9	3.5	210	44.8	3.4	234	41.0	3.2	-3.7	9.5
North Smithfield	141	52.5	4.2	131	59.5	4.3	114	60.5	4.6	125	56.8	4.4	-3.7	4.3
Paul Cuffee Charter	47	31.9	6.8	50	32.0	6.6	54	40.7	6.7	54	20.4	5.5	-20.4	-11.5
Pawtucket	660	17.1	1.5	626	20.6	1.6	630	19.5	1.6	660	23.6	1.7	4.1	6.5
Portsmouth	195	51.8	3.6	196	60.7	3.5	189	68.3	3.4	188	58.0	3.6	-10.3	6.2
Providence	1843	9.4	.7	1476	12.4	.9	1641	16.3	.9	1827	16.8	.9	.5	7.4
RI School for the Deaf	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scituate	155	52.9	4.0	121	57.0	4.5	126	69.0	4.1	127	64.6	4.2	-4.5	11.7
Smithfield	197	58.9	3.5	175	64.0	3.6	165	67.9	3.6	194	73.7	3.2	5.8	14.8
South Kingstown	265	52.1	3.1	246	61.8	3.1	250	70.8	2.9	250	69.2	2.9	-1.6	17.1
The Compass School	17	70.6	11.1	17	52.9	12.1	18	88.9	7.4	17	70.6	11.1	-18.3	0.0
The Learning Community	40	22.5	6.6	57	21.1	5.4	54	13.0	4.6	61	27.9	5.7	14.9	5.4
Tiverton	148	49.3	4.1	131	47.3	4.4	146	64.4	4.0	144	56.3	4.1	-8.1	6.9
Warwick	824	43.7	1.7	715	45.7	1.9	721	43.6	1.8	781	41.5	1.8	-2.1	-2.2
West Warwick	259	25.5	2.7	231	34.2	3.1	271	32.1	2.8	280	34.6	2.8	2.5	9.2
Westerly	234	48.3	3.3	218	47.2	3.4	217	48.8	3.4	222	65.3	3.2	16.5	17.0
Woonsocket	515	20.4	1.8	390	25.4	2.2	381	34.4	2.4	441	27.9	2.1	-6.5	7.5

Key

- = No statistically significant change in percent of students proficient or above from 2010 to 2011 results and/or from 2008 to 2011 results
 ■ = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results and/or from 2008 to 2011 results
 - = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation).

Table 12. Percent of Students At/Above “Proficient” in Science by District: 8th Grade

District	2008			2009			2010			2011			Diff. 2010 to 2011	Diff. 2008 to 2011
	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	3.3	4.3
Bristol Warren	282	19.1	2.3	261	18.8	2.4	269	24.9	2.6	258	25.2	2.7	.3	6.0
Burrillville	214	29.9	3.1	174	16.1	2.8	176	11.9	2.4	182	22.5	3.1	10.6	-7.4
Central Falls	275	1.5	.7	273	1.1	.6	240	4.6	1.3	255	2.7	1.0	-1.8	1.3
Chariho	297	30.0	2.7	278	32.0	2.8	280	30.7	2.8	275	34.9	2.9	4.2	4.9
Coventry	469	31.1	2.1	434	26.7	2.1	417	38.6	2.4	409	40.1	2.4	1.5	9.0
Cranston	902	17.4	1.3	844	17.4	1.3	880	25.2	1.5	807	25.5	1.5	.3	8.1
Cumberland	436	21.1	2.0	418	16.5	1.8	382	25.7	2.2	379	33.2	2.4	7.6	12.1
DCYF Alt. Educ. Program	-	-	-	n/a	n/a	n/a	n/a	n/a	n/a	-	-	-	-	-
East Greenwich	216	43.5	3.4	188	48.9	3.6	206	55.3	3.5	204	52.9	3.5	-2.4	9.4
East Providence	472	10.8	1.4	419	13.6	1.7	422	15.2	1.7	421	21.6	2.0	6.4	10.8
Exeter-West Greenwich	161	29.2	3.6	160	33.8	3.7	165	38.2	3.8	156	34.0	3.8	-4.2	4.8
Foster-Glocester	224	18.8	2.6	199	16.1	2.6	190	29.5	3.3	169	30.2	3.5	.7	11.4
Highlander Charter	32	6.3	4.3	32	-	.0	32	12.5	5.8	36	8.3	4.6	-4.2	2.1
Jamestown	57	29.8	6.1	55	30.9	6.2	53	47.2	6.9	46	63.0	7.1	15.9	33.2
Johnston	272	24.3	2.6	289	9.3	1.7	290	20.7	2.4	237	27.4	2.9	6.7	3.2
Lincoln	292	24.7	2.5	270	21.9	2.5	305	23.6	2.4	305	34.1	2.7	10.5	9.4
Little Compton	38	21.1	6.6	32	40.6	8.7	33	39.4	8.5	39	35.9	7.7	-3.5	14.8
Middletown	177	34.5	3.6	196	26.0	3.1	185	28.6	3.3	201	37.8	3.4	9.2	3.3
Narragansett	135	29.6	3.9	129	32.6	4.1	127	33.1	4.2	134	41.8	4.3	8.7	12.2
Newport	170	12.4	2.5	175	18.9	3.0	142	15.5	3.0	137	18.2	3.3	2.8	5.9
North Kingstown	350	30.0	2.4	354	28.0	2.4	338	44.1	2.7	334	57.5	2.7	13.4	27.5
North Providence	276	11.2	1.9	263	7.6	1.6	281	10.3	1.8	261	9.6	1.8	-.7	-1.7
North Smithfield	148	13.5	2.8	161	21.1	3.2	140	22.1	3.5	156	34.0	3.8	11.8	20.5
Paul Cuffee Charter	39	7.7	4.3	44	6.8	3.8	47	12.8	4.9	52	15.4	5.0	2.6	7.7
Pawtucket	751	7.1	.9	698	6.6	.9	726	6.7	.9	708	7.5	1.0	.7	0.4
Portsmouth	256	30.1	2.9	218	31.2	3.1	237	37.6	3.1	205	42.9	3.5	5.4	12.8
Providence	1828	1.8	.3	1588	3.1	.4	1623	5.1	.5	1562	5.6	.6	.5	3.8
RI School for the Deaf	-	-	-	-	-	-	-	-	-	11	-	-	-	-
Scituate	143	39.2	4.1	148	32.4	3.8	146	36.3	4.0	129	37.2	4.3	.9	-2.0
Smithfield	227	44.1	3.3	199	31.2	3.3	236	50.8	3.3	176	48.9	3.8	-2.0	4.8
South Kingstown	319	43.9	2.8	283	37.5	2.9	274	43.1	3.0	274	57.3	3.0	14.2	13.4
The Compass School	11	27.3	13.4	15	33.3	12.2	14	50.0	13.4	14	50.0	13.4	.0	22.7
Tiverton	158	16.5	2.9	167	10.8	2.4	148	29.7	3.8	149	18.8	3.2	-10.9	2.3
Urban Collaborative	56	-	-	74	1.4	1.3	59	1.7	1.7	70	-	-	-	-
Warwick	873	15.8	1.2	868	17.3	1.3	862	20.2	1.4	838	21.7	1.4	1.5	5.9
West Warwick	292	13.0	2.0	254	7.9	1.7	252	14.3	2.2	246	15.0	2.3	.8	2.0
Westerly	276	25.7	2.6	279	25.8	2.6	238	26.9	2.9	262	40.5	3.0	13.6	14.7
Woonsocket	431	2.6	.8	418	5.7	1.1	422	6.9	1.2	452	4.9	1.0	-2.0	2.3

Key

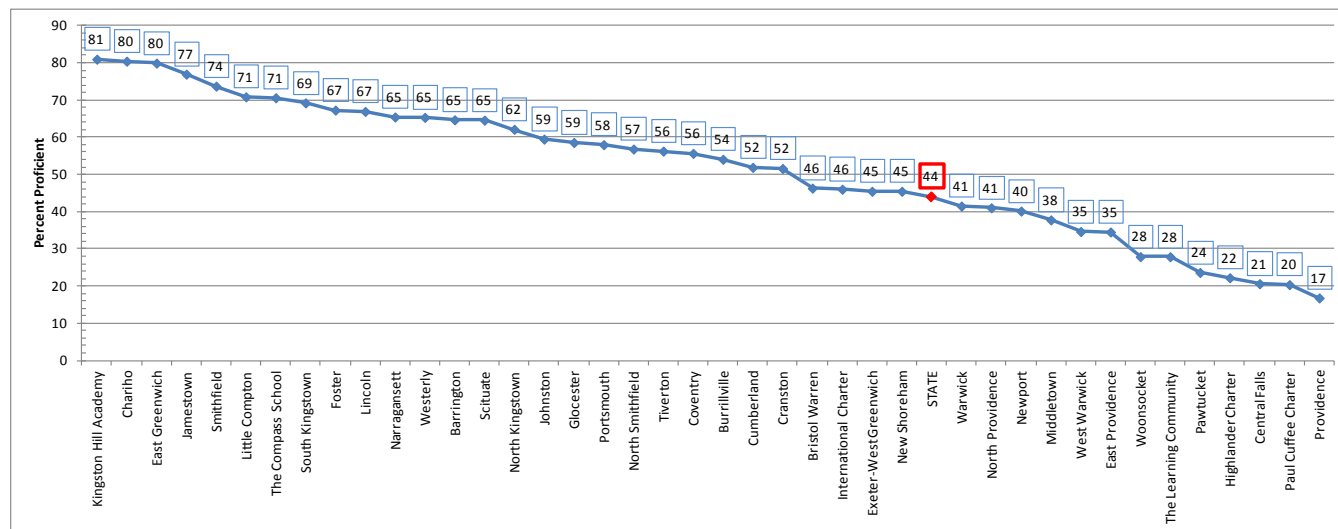
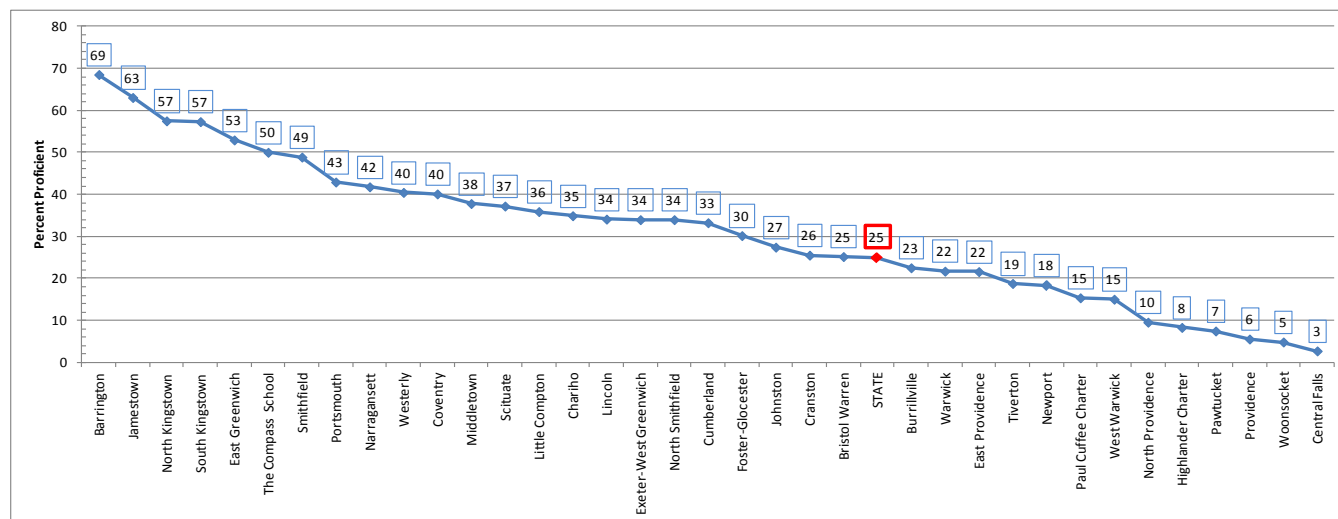
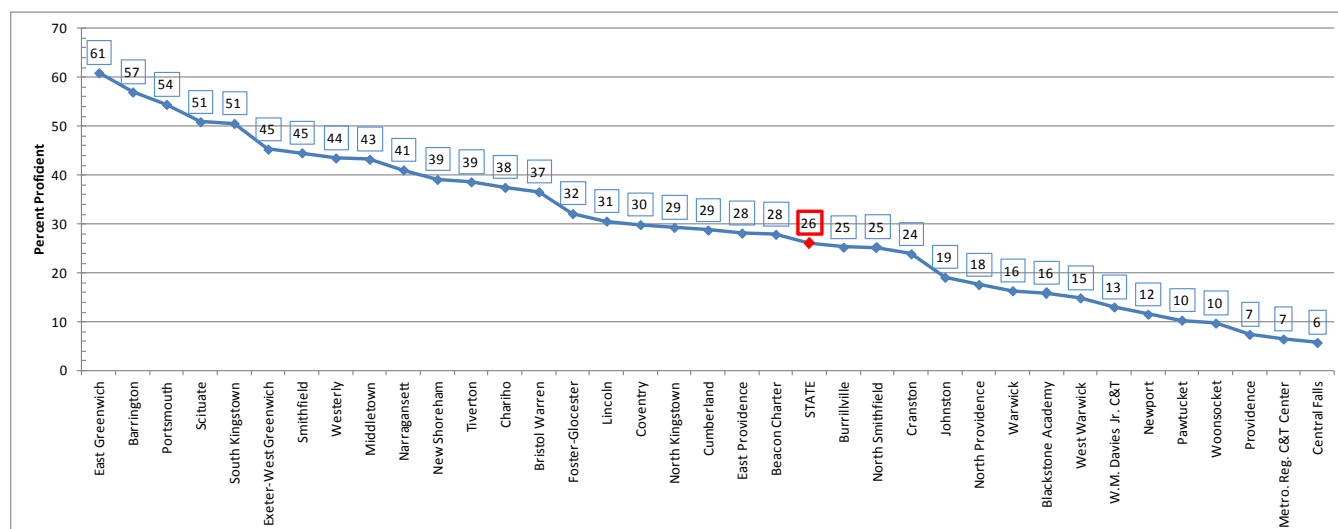
- = No statistically significant change in percent of students proficient or above from 2010 to 2011 results and/or from 2008 to 2011 results
 = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results and/or from 2008 to 2011 results
 - = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation).

Table 13. Percent of Students At/Above “Proficient” in Science by District: 11th Grade

District	2008			2009			2010			2011			Diff. 2010- 2011	Diff. 2008- 2011
	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	7.0	1.5
Beacon Charter	21	4.8	4.6	51	13.7	4.8	42	14.3	5.4	43	27.9	6.8	13.6	23.1
Blackstone Academy	37	2.7	2.7	43	16.3	5.6	39	5.1	3.5	38	15.8	5.9	10.7	13.1
Bristol Warren	248	19.0	2.5	231	27.3	2.9	258	19.0	2.4	246	36.6	3.1	17.6	17.6
Burrillville	184	8.7	2.1	209	19.6	2.7	197	15.2	2.6	178	25.3	3.3	10.1	16.6
Central Falls	166	4.2	1.6	186	2.7	1.2	189	3.7	1.4	190	5.8	1.7	2.1	1.6
Chariho	294	21.4	2.4	239	27.2	2.9	284	37.7	2.9	280	37.5	2.9	-.2	16.1
Coventry	426	14.8	1.7	429	14.9	1.7	396	22.5	2.1	425	29.9	2.2	7.4	15.1
Cranston	841	13.8	1.2	825	15.5	1.3	800	22.8	1.5	828	23.9	1.5	1.2	10.1
Cumberland	336	18.8	2.1	341	29.3	2.5	371	25.1	2.3	351	28.8	2.4	3.7	10.0
DCYF Alt. Educ. Prog.	-	-	-	11	-	-	-	-	-	13	-	-	-	-
East Greenwich	177	38.4	3.7	186	50.0	3.7	185	50.8	3.7	192	60.9	3.5	10.1	22.5
East Providence	441	8.2	1.3	420	14.8	1.7	414	8.0	1.3	412	28.2	2.2	20.2	20.0
Exeter-W. Greenwich	164	25.6	3.4	138	23.2	3.6	150	18.7	3.2	139	45.3	4.2	26.7	19.7
Foster-Glocester	219	14.2	2.4	198	28.8	3.2	202	23.3	3.0	196	32.1	3.3	8.9	18.0
Johnston	181	16.0	2.7	143	11.2	2.6	219	12.3	2.2	183	19.1	2.9	6.8	3.1
Lincoln	265	25.7	2.7	224	29.5	3.0	238	34.0	3.1	232	30.6	3.0	-3.4	4.9
Metro. Reg. C&T Center	155	2.6	1.3	187	7.0	1.9	176	-	-	123	6.5	2.2	-	3.9
Middletown	140	15.7	3.1	130	39.2	4.3	135	24.4	3.7	148	43.2	4.1	18.8	27.5
Narragansett	115	27.0	4.1	112	46.4	4.7	113	50.4	4.7	129	41.1	4.3	-9.4	14.1
New Shoreham	19	36.8	11.1	11	18.2	11.6	19	26.3	10.1	23	39.1	10.2	12.8	2.3
Newport	123	15.4	3.3	117	9.4	2.7	152	17.1	3.1	121	11.6	2.9	-5.5	-3.9
North Kingstown	388	26.0	2.2	382	26.2	2.2	403	28.3	2.2	399	29.3	2.3	1.0	3.3
North Providence	281	9.6	1.8	276	9.8	1.8	251	10.0	1.9	244	17.6	2.4	7.7	8.0
North Smithfield	142	27.5	3.7	134	23.9	3.7	137	29.9	3.9	123	25.2	3.9	-4.7	-2.3
Pawtucket	449	9.4	1.4	424	11.1	1.5	489	8.6	1.3	483	10.4	1.4	1.8	1.0
Portsmouth	224	36.6	3.2	235	42.6	3.2	232	51.7	3.3	257	54.5	3.1	2.8	17.9
Providence	1463	4.6	.6	1431	4.7	.6	1414	6.9	.7	1383	7.4	.7	.5	2.8
RI School for the Deaf	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scituate	119	16.8	3.4	136	27.9	3.8	126	36.5	4.3	110	50.9	4.8	14.4	34.1
Smithfield	224	28.6	3.0	205	32.2	3.3	190	37.4	3.5	193	44.6	3.6	7.2	16.0
South Kingstown	300	35.7	2.8	296	43.9	2.9	251	43.0	3.1	261	50.6	3.1	7.5	14.9
Tiverton	154	30.5	3.7	155	25.8	3.5	126	21.4	3.7	132	38.6	4.2	17.2	8.1
W.M. Davies Jr. C&T	157	3.2	1.4	171	12.9	2.6	163	14.7	2.8	184	13.0	2.5	-1.7	9.9
Warwick	842	13.7	1.2	796	16.5	1.3	765	13.6	1.2	733	16.4	1.4	2.8	2.7
West Warwick	222	14.9	2.4	275	12.4	2.0	223	10.8	2.1	228	14.9	2.4	4.1	0.0
Westerly	269	21.6	2.5	225	18.2	2.6	257	40.1	3.1	239	43.5	3.2	3.4	22.0
Woonsocket	364	4.9	1.1	341	11.1	1.7	378	4.8	1.1	359	9.7	1.6	5.0	4.8

Key

- = No statistically significant change in percent of students proficient or above from 2010 to 2011 results and/or from 2008 to 2011 results
 = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results and/or from 2008 to 2011 results
 - = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation).

Figure 8. 2011 NECAP Science Percent At/Above “Proficient” in Each District: 4th Grade**Figure 9. 2011 NECAP Science Percent At/Above “Proficient” in Each District: 8th Grade****Figure 10. 2011 NECAP Science Percent At/Above “Proficient” in Each District: 11th Grade**

SCHOOL-LEVEL ANALYSES

QUESTION:

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

RESPONSE:

At the elementary school level, 2 schools (Narragansett Elementary in Narragansett and State Street School in Westerly) demonstrated statistically significant gains while 2 others (Suzanne M. Henseler Quidnessett Elementary in North Kingstown and Greystone School in North Providence) had statistically significant losses compared last year's results.⁷ It bears noting that only 1 school (State Street) posted statistically significant gains this year as well as gains compared to how it did back in 2008 and 2 schools (Chester W. Barrows School in Cranston and Cottrell F. Hoxsie School in Warwick) had statistically significant losses in 2011 compared to their results in 2008.

At the middle school level, 8 schools (Burrillville Middle School in Burrillville, North Cumberland Middle School in Cumberland, Riverside Middle School in East Providence, Lincoln Middle School in Lincoln, Davisville Middle School in North Kingstown, Governor Christopher DelSesto Middle School in Providence, Curtis Corner Middle School in South Kingstown, and Westerly Middle School in Westerly) had statistically significant gains from 2010 to 2011 and no schools had statistically significant losses. Of these 8 middle schools, 4 (North Cumberland, Riverside, Davisville, and Westerly) also had statistically significant higher percentages of students proficient or above in science this year compared to their respective 2008 percentages. No middle schools had statistically significant losses in 2011 compared to their results in 2008.

At the high school level, results were similar to those of the middle school level in that 6 schools (Mt. Hope High School in Bristol Warren, East Providence High School in East Providence, Exeter-West Greenwich Regional High School in Exeter-West Greenwich, Metropolitan Regional Career & Technical Center, Middletown High School in Middletown, and Tiverton High School in Tiverton) had statistically significant gains, no schools had significant losses, and 4 (Mt. Hope, East Providence, Exeter-West Greenwich, and Middletown) of the 6 schools with gains had a statistically significant higher percentage of students who were proficient or above in science this year compared to their respective 2008 percentages. No high schools had statistically significant losses in 2011 compared to their results in 2008.

While changes from 2010 to 2011 in performance in all other schools were not considered statistically significant, it bears noting that a total of 49 schools (18 elementary schools, 11 middle schools, and 20 high schools) across the state have made statistically significant improvement in science achievement in 2011 compared to their respective performances back in 2008 (see Tables 15-17 below).

In 2011 there were 15 schools (all of them elementary schools) in which 74.5% or more of the students achieved proficiency or better in science and 71 schools (59 elementary, 7 middle, and 5 high) in which 49.5% to 74.5% of students achieved proficiency (Tables 18, 19, and 20). On the opposite end of the spectrum are those schools where less than 24.5% of the students achieved proficiency. This year, 102

⁷ Quidnessett Elementary in North Kingstown was reconfigured in 2011.

schools comprising 41 elementary schools, 31 middle schools, and 30 high schools across the state had 24.4% or fewer students reach proficiency in science. Of these 102 schools, 44 had less than 9.5% achieve proficiency (9 elementary schools, 18 middle schools, and 17 high schools).

SUPPORTING DATA:

Table 14 presents the schools that made statistically significant progress in science from 2010 to 2011 and from 2008 to 2011. Tables 15 through 17 delineate results by grade level and Tables 18 through 21 delineate results by individual school performance in terms of overall proficiency rates.

Table 14. Schools that Made Significant Progress from 2010 to 2011 and from 2008 to 2011.

District	School	2010 N	2010 % Prof.	SE	2011 N	2011 % Prof.	SE	Diff. 2010- 2011	Diff. 2008- 2011
Bristol Warren	Mt. Hope High School	255	19.2	2.5	243	36.6	3.1	17.4	17.5
Cumberland	North Cumberland Middle School	212	31.1	3.2	205	45.4	3.5	14.2	17.0
East Providence	East Providence High School	408	8.1	1.3	398	29.1	2.3	21.1	20.9
East Providence	Riverside Middle School	163	17.2	3.0	192	29.7	3.3	12.5	16.2
Exeter-West Greenwich	Exeter-W. Greenwich Regional High Sch.	150	18.7	3.2	139	45.3	4.2	26.7	19.7
Middletown	Middletown High School	131	25.2	3.8	142	45.1	4.2	19.9	29.2
North Kingstown	Davisville Middle School	183	41.5	3.6	183	63.4	3.6	21.9	34.7
Westerly	State Street Elementary School	60	48.3	6.5	63	79.4	5.1	31.0	42.5
Westerly	Westerly Middle School	235	27.2	2.9	260	40.8	3.0	13.5	15.0

Key

SE = Standard error (see Appendix B)

■ = Statistically significant increase in percent of students proficient or above from 2010 to 2011 results and from 2008 to 2011 results

Table 15. Percent of Students At/Above “Proficient” in Science: 4TH GRADE

District	School	2010 N	2010 % Prof.	SE	2011 N	2011 % Prof.	SE	Diff. 2010- 2011	Diff. 2008- 2011
Barrington	Hampden Meadows School	286	73.8	2.6	266	64.7	2.9	-9.1	-5.8
Bristol Warren	Colt Andrews School	75	48.0	5.8	64	50.0	6.3	2.0	n/a
	Guiteras School	49	55.1	7.1	42	40.5	7.6	-14.6	1.3
	Hugh Cole School	67	46.3	6.1	100	37.0	4.8	-9.3	.1
	Rockwell School	45	64.4	7.1	49	67.3	6.7	2.9	.7
Burrillville	Steere Farm Elementary School	106	41.5	4.8	104	57.7	4.8	16.2	25.1
	William L. Callahan School	86	36.0	5.2	94	50.0	5.2	14.0	2.5
Central Falls	Ella Risk School	89	19.1	4.2	123	20.3	3.6	1.2	2.5
	Veterans Memorial Elementary	93	18.3	4.0	99	21.2	4.1	2.9	9.1
Chariho	Ashaway Elementary School	36	75.0	7.2	43	86.0	5.3	11.0	35.0
	Charlestown Elementary School	74	77.0	4.9	82	81.7	4.3	4.7	33.8
	Hope Valley Elementary School	42	69.0	7.1	47	83.0	5.5	13.9	23.8
	Richmond Elementary School	93	73.1	4.6	73	74.0	5.1	.9	15.0
Coventry	Blackrock School	70	58.6	5.9	68	51.5	6.1	-7.1	16.6
	Hopkins Hill School	70	57.1	5.9	68	44.1	6.0	-13.0	5.1
	Tiogues School	76	64.5	5.5	80	56.3	5.5	-8.2	-5.5
	Washington Oak School	116	58.6	4.6	110	55.5	4.7	-3.2	11.1
	Western Coventry School	68	66.2	5.7	64	71.9	5.6	5.7	18.0
Cranston	Arlington School	26	34.6	9.3	26	26.9	8.7	-7.7	-16.6
	Chester W. Barrows School	36	50.0	8.3	39	48.7	8.0	-1.3	-30.1
	Daniel D. Waterman School	38	47.4	8.1	38	55.3	8.1	7.9	14.1
	Eden Park School	40	55.0	7.9	55	61.8	6.6	6.8	18.3
	Edgewood Highland School	36	30.6	7.7	33	33.3	8.2	2.8	-1.7
	Edward S. Rhodes School	35	71.4	7.6	38	76.3	6.9	4.9	24.0
	Garden City School	37	40.5	8.1	41	53.7	7.8	13.1	3.7
	George J. Peters School	50	40.0	6.9	51	52.9	7.0	12.9	-5.8
	Gladstone Street School	87	37.9	5.2	103	22.3	4.1	-15.6	-8.8
	Glen Hills School	43	37.2	7.4	53	45.3	6.8	8.1	8.7
	Hope Highlands Elementary School	47	68.1	6.8	59	69.5	6.0	1.4	11.0
	Oak Lawn School	47	63.8	7.0	47	51.1	7.3	-12.8	-11.4
	Orchard Farms Elementary School	60	61.7	6.3	67	74.6	5.3	13.0	-5.0
	Stadium School	40	57.5	7.8	49	55.1	7.1	-2.4	-1.7
	Stone Hill School	46	60.9	7.2	54	48.1	6.8	-12.7	-11.9
	William R. Dutemple School	44	31.8	7.0	42	47.6	7.7	15.8	19.7
	Woodridge School	45	77.8	6.2	56	64.3	6.4	-13.5	15.2
Cumberland	Ashton School	48	31.3	6.7	51	45.1	7.0	13.8	10.3
	B.F. Norton Elementary School	44	27.3	6.7	49	18.4	5.5	-8.9	6.4
	Community School	87	57.5	5.3	117	66.7	4.4	9.2	8.3
	Garvin Memorial School	57	45.6	6.6	68	48.5	6.1	2.9	10.2
	John J. McLaughlin Cumberland Hill Sch.	73	53.4	5.8	111	57.7	4.7	4.2	16.0
East Greenwich	George Hanaford School	89	79.8	4.3	96	81.3	4.0	1.5	18.5
	James H. Eldredge El. School	95	73.7	4.5	92	79.3	4.2	5.7	25.6
East Providence	Agnes B. Hennessey School	37	45.9	8.2	47	21.3	6.0	-24.7	-13.5
	Alice M. Waddington School	74	56.8	5.8	77	45.5	5.7	-11.3	-9.5
	Emma G. Whiteknact School	42	28.6	7.0	49	24.5	6.1	-4.1	-6.3
	James R. D. Oldham School	37	21.6	6.8	26	19.2	7.7	-2.4	15.0
	Kent Heights School	49	34.7	6.8	49	30.6	6.6	-4.1	-5.9
	Myron J. Francis Elementary School	76	60.5	5.6	75	53.3	5.8	-7.2	-7.7
	Orlo Avenue School	47	14.9	5.2	49	22.4	6.0	7.6	12.2
	Silver Spring School	44	50.0	7.5	44	38.6	7.3	-11.4	17.6
Exeter-West Greenwich	Metcalf School	130	48.5	4.4	130	46.2	4.4	-2.3	9.1
Foster	Captain Isaac Paine Elementary School	44	59.1	7.4	55	67.3	6.3	8.2	11.1
Glocester	Fogarty Memorial School	49	61.2	7.0	67	55.2	6.1	-6.0	-.8
	West Glocester Elementary	52	59.6	6.8	43	65.1	7.3	5.5	21.4
Highlander Charter School	Highlander Charter School	36	8.3	4.6	36	22.2	6.9	13.9	-1.3
International Charter	International Charter School	47	21.3	6.0	50	46.0	7.0	24.7	35.8
Jamestown	Jamestown School-Melrose	52	71.2	6.3	39	76.9	6.7	5.8	34.7

District	School	2010 N	2010 % Prof.	SE	2011 N	2011 % Prof.	SE	Diff. 2010- 2011	Diff. 2008- 2011
Johnston	Brown Avenue School	44	65.9	7.1	45	66.7	7.0	.8	-6.8
	Sarah Dyer Barnes School	20	65.0	10.7	48	79.2	5.9	14.2	18.4
	Thornton School	52	53.8	6.9	64	40.6	6.1	-13.2	14.0
	Winsor Hill School	77	57.1	5.6	67	61.2	6.0	4.1	23.2
Kingston Hill Academy	Kingston Hill Academy	21	90.5	6.4	21	81.0	8.6	-9.5	33.3
Lincoln	Lincoln Central Elementary School	61	67.2	6.0	71	81.7	4.6	14.5	7.4
	Lonsdale Elementary School	41	51.2	7.8	48	68.8	6.7	17.5	15.6
	Northern Lincoln Elementary School	69	44.9	6.0	74	64.9	5.5	19.9	29.0
	Saylesville Elementary School	44	75.0	6.5	72	54.2	5.9	-20.8	10.9
Little Compton	Wilbur and McMahon Schools	34	73.5	7.6	24	70.8	9.3	-2.7	20.8
Middletown	Joseph H. Gaudet Learning Academy	169	45.6	3.8	185	38.4	3.6	-7.2	n/a
Narragansett	Narragansett Elementary School	108	48.1	4.8	105	66.7	4.6	18.5	16.0
New Shoreham	Block Island School	-	-	-	11	45.5	15.0	-	-24.5
Newport	Coggeshall School	44	45.5	7.5	18	61.1	11.5	15.7	20.2
	Cranston - Calvert School	43	37.2	7.4	35	42.9	8.4	5.6	3.3
	Dr. M. H. Sullivan School	42	31.0	7.1	44	18.2	5.8	-12.8	7.1
	William J. Underwood School	44	61.4	7.3	43	53.5	7.6	-7.9	17.1
North Kingstown	Fishing Cove Elementary School	n/a	n/a	n/a	35	51.4	8.4	n/a	n/a
	Forest Park Elementary School	n/a	n/a	n/a	46	58.7	7.3	n/a	n/a
	Hamilton Elementary School	174	70.1	3.5	68	70.6	5.5	.5	4.1
	Stony Lane Elementary School	n/a	n/a	n/a	92	76.1	4.4	n/a	n/a
	Suzanne M. Henseler Quidnessett Elem. **	106	59.4	4.8	42	33.3	7.3	-26.1 **	-11.1
North Providence	Centredale School	34	32.4	8.0	33	36.4	8.4	4.0	11.4
	Dr. Joseph A Whelan Elementary School	25	36.0	9.6	32	34.4	8.4	-1.6	-4.3
	Greystone School	33	63.6	8.4	45	31.1	6.9	-32.5	5.5
	James L. McGuire School	35	57.1	8.4	44	59.1	7.4	1.9	16.7
	Marievile Elementary School	43	34.9	7.3	47	23.4	6.2	-11.5	1.5
	Stephen Olney School	40	45.0	7.9	33	66.7	8.2	21.7	26.1
North Smithfield	Dr. Harry L. Halliwell Memorial School	114	60.5	4.6	125	56.8	4.4	-3.7	4.7
Paul Cuffee Charter	Paul Cuffee Charter School	54	40.7	6.7	54	20.4	5.5	-20.4	-11.5
Pawtucket	Agnes E. Little School	58	15.5	4.8	55	25.5	5.9	9.9	15.8
	Curvin-McCabe School	59	37.3	6.3	58	39.7	6.4	2.4	9.7
	Elizabeth Baldwin School	93	14.0	3.6	101	23.8	4.2	9.8	7.8
	Fallon Memorial School	68	16.2	4.5	77	20.8	4.6	4.6	12.0
	Flora S. Curtis Memorial School	37	21.6	6.8	44	18.2	5.8	-3.4	-1.2
	Francis J. Varieur School	41	39.0	7.6	44	45.5	7.5	6.4	4.6
	Henry J. Winters School	65	7.7	3.3	63	11.1	4.0	3.4	-2.4
	M. Virginia Cunningham School	64	18.8	4.9	57	15.8	4.8	-3.0	4.7
	Nathanael Greene School	71	18.3	4.6	68	26.5	5.4	8.2	11.8
	Potter-Burns School	70	20.0	4.8	87	19.5	4.3	-5	1.5
Portsmouth	Portsmouth Middle School*	n/a	n/a	n/a	188	58.0	3.6	n/a	n/a
Providence	Alan Shawn Feinstein Elem. at Broad St.	54	9.3	3.9	62	24.2	5.4	14.9	10.5
	Alfred Lima, Sr. Elementary School	63	12.7	4.2	55	9.1	3.9	-3.6	7.7
	Anthony Carnevale Elementary School	51	39.2	6.8	51	39.2	6.8	.0	28.7
	Asa Messer Elementary School	68	16.2	4.5	74	12.2	3.8	-4.0	8.2
	Carl G. Lauro Elementary School	113	12.4	3.1	128	19.5	3.5	7.1	13.1
	Charles N. Fortes Elementary School	61	14.8	4.5	73	15.1	4.2	.3	10.7
	Charlotte Woods Elementary School	47	2.1	2.1	51	3.9	2.7	1.8	-2.5
	Dr. Martin Luther King, Jr. Elementary	51	25.5	6.1	51	23.5	5.9	-2.0	-2.7
	Edmund W. Flynn Elementary School	83	3.6	2.0	88	4.5	2.2	.9	1.5
	Frank D. Spaziano Ave. Elementary School	80	10.0	3.4	96	12.5	3.4	2.5	-5.9
	George J. West Elementary School	100	12.0	3.2	103	13.6	3.4	1.6	7.7
	Harry Kizirian Elementary School	78	21.8	4.7	88	22.7	4.5	.9	12.7
	Lillian Feinstein Elementary, Sackett Street	77	13.0	3.8	78	12.8	3.8	-.2	2.5
	Mary E. Fogarty Elementary School	67	11.9	4.0	72	8.3	3.3	-3.6	5.4
	Pleasant View School	52	7.7	3.7	49	8.2	3.9	.5	-.3
	Reservoir Avenue School	25	28.0	9.0	51	33.3	6.6	5.3	24.2
	Robert F. Kennedy Elementary School	77	45.5	5.7	75	36.0	5.5	-9.5	7.3
	Robert L. Bailey IV, Elementary School	41	2.4	2.4	69	4.3	2.5	1.9	3.1

District	School	2010 N	2010 % Prof.	SE	2011 N	2011 % Prof.	SE	Diff. 2010- 2011	Diff. 2008- 2011
Providence	Sergeant Cornel Young, Jr. Elementary	36	8.3	4.6	48	2.1	2.1	-6.3	-
	Times2 Academy	51	13.7	4.8	49	16.3	5.3	2.6	9.8
	Vartan Gregorian Elementary School	55	45.5	6.7	46	41.3	7.3	-4.2	1.3
	Veazie Street School	84	20.2	4.4	93	20.4	4.2	.2	10.2
	Webster Avenue School	25	12.0	6.5	76	30.3	5.3	18.3	20.6
	West Broadway Elementary School	66	6.1	2.9	65	7.7	3.3	1.6	3.2
	William D'Abate Elementary School	78	17.9	4.3	75	10.7	3.6	-7.3	-3.0
	Windmill Street Elementary School	55	16.4	5.0	55	12.7	4.5	-3.6	5.8
RI School for the Deaf	Rhode Island School for the Deaf	-	-	-	-	-	-	-	-
Scituate	Clayville Elementary School	39	66.7	7.5	36	72.2	7.5	5.6	10.5
	Hope Elementary School	47	74.5	6.4	42	57.1	7.6	-17.3	6.3
	North Scituate Elementary School	40	65.0	7.5	49	65.3	6.8	.3	18.4
Smithfield	Anna M. McCabe School	54	70.4	6.2	53	64.2	6.6	-6.2	18.2
	Old County Road School	40	47.5	7.9	43	72.1	6.8	24.6	11.1
	Raymond C. LaPerche School	24	95.8	4.1	49	85.7	5.0	-10.1	14.3
	William Winsor School	46	69.6	6.8	49	73.5	6.3	3.9	11.2
South Kingstown	Matunuck School	60	85.0	4.6	64	75.0	5.4	-10.0	17.4
	Peace Dale Elementary School	83	74.7	4.8	87	73.6	4.7	-1.1	22.6
	Wakefield Elementary School	47	61.7	7.1	48	68.8	6.7	7.0	23.1
	West Kingston Elementary School	59	59.3	6.4	50	56.0	7.0	-3.3	-.4
The Compass School	The Compass School	18	88.9	7.4	17	70.6	11.1	-18.3	.0
Learning Community	The Learning Community Charter School	54	13.0	4.6	61	27.9	5.7	14.9	5.4
Tiverton	Fort Barton School	45	73.3	6.6	42	66.7	7.3	-6.7	9.5
	Pocasset School	50	54.0	7.0	51	47.1	7.0	-6.9	9.4
	Walter E. Ranger School	51	66.7	6.6	48	60.4	7.1	-6.3	2.8
Warwick	Cedar Hill School	62	69.4	5.9	65	58.5	6.1	-10.9	.1
	Cottrell F. Hoxsie School	50	44.0	7.0	43	37.2	7.4	-6.8	-27.6
	E. G. Robertson School	52	38.5	6.7	44	61.4	7.3	22.9	13.0
	Francis School	44	38.6	7.3	43	44.2	7.6	5.5	2.9
	Greenwood School	39	56.4	7.9	51	35.3	6.7	-21.1	-26.6
	Harold F. Scott School	38	31.6	7.5	44	56.8	7.5	25.2	-6.0
	Holliman School	51	41.2	6.9	41	39.0	7.6	-2.2	-5.7
	John Wickes School	40	40.0	7.7	67	40.3	6.0	.3	14.3
	Lippitt School	30	30.0	8.4	46	26.1	6.5	-3.9	-6.3
	Norwood School	42	33.3	7.3	50	32.0	6.6	-1.3	-30.1
	Oakland Beach Elementary School	53	45.3	6.8	49	26.5	6.3	-18.8	.2
	Park School	28	60.7	9.2	42	38.1	7.5	-22.6	-.1
	Randall Holden School	28	39.3	9.2	42	64.3	7.4	25.0	31.0
	Sherman School	66	36.4	5.9	60	26.7	5.7	-9.7	.4
	Warwick Neck School	50	38.0	6.9	50	42.0	7.0	4.0	-14.1
West Warwick	Wyman School	43	53.5	7.6	43	39.5	7.5	-14.0	-12.6
	Greenbush Elementary School	72	37.5	5.7	106	38.7	4.7	1.2	9.3
	John F. Horgan Elementary School	74	35.1	5.5	110	25.5	4.2	-9.7	.8
	Wakefield Hills Elementary School	74	29.7	5.3	64	43.8	6.2	14.0	20.6
Westerly	Bradford Elementary School	20	50.0	11.2	21	61.9	10.6	11.9	-19.6
	Dunn's Corners School	69	44.9	6.0	67	65.7	5.8	20.7	12.8
	Springbrook Elementary School	67	53.7	6.1	70	54.3	6.0	.6	2.9
	State Street School	60	48.3	6.5	63	79.4	5.1	31.0	42.5
Woonsocket	Bernon Heights School	48	54.2	7.2	71	39.4	5.8	-14.7	20.7
	Citizens Memorial School	82	29.3	5.0	81	23.5	4.7	-5.8	16.6
	Globe Park School	47	40.4	7.2	82	37.8	5.4	-2.6	-10.0
	Harris School	61	34.4	6.1	49	26.5	6.3	-7.9	13.9
	Kevin K. Coleman Elementary School	81	19.8	4.4	91	14.3	3.7	-5.5	-5.0
	Leo A. Savoie School	57	43.9	6.6	63	30.2	5.8	-13.7	-1.0

Key

- = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results and/or 2008 to 2011 results
- = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results and/or 2008 to 2011 results
- = No statistically significant difference from 2010 to 2011 results and/or 2008 to 2011 results
- = N < 10 and/or percent proficient < 1%. Results cannot be publicly reported (see Appendix A for explanation).
- * = Portsmouth Middle School added grade 4 in 2010-2011 and requested that the 4th and 8th grade results be reported separately
- ** = Quiddnessett Elementary in North Kingstown was reconfigured in 2011

Table 16. Percent of Students At/Above “Proficient” in Science: 8TH GRADE

District	Name	2010 N	2010 % Prof.	SE	2011 N	2011 % Prof.	SE	Diff. 2010- 2011	Diff. 2008- 2011
Barrington	Barrington Middle School	267	65.2	2.9	288	68.8	2.7	3.6	4.5
Bristol Warren	Kickemuit Middle School	269	24.9	2.6	254	25.6	2.7	.7	6.2
Burrillville	Burrillville Middle School	176	11.9	2.4	179	22.9	3.1	11.0	-7.3
Central Falls	Dr. Earl F. Calcutt Middle School	239	4.6	1.4	253	2.8	1.0	-1.8	1.3
Chariho	Chariho Regional Middle School	272	31.6	2.8	269	35.7	2.9	4.1	5.1
	The R.Y.S.E. School	-	-	-	-	-	-	-	-
Coventry	Alan Shawn Feinstein MS of Coventry	415	38.8	2.4	409	40.1	2.4	1.3	9.0
Cranston	Hugh B. Bain Middle School	236	16.1	2.4	204	21.6	2.9	5.5	15.8
	Park View Middle School	260	26.9	2.8	238	23.5	2.7	-3.4	6.9
	Western Hills Middle School	377	30.2	2.4	362	29.3	2.4	-1.0	3.4
Cumberland	Joseph L. McCourt Middle School	166	19.3	3.1	173	19.1	3.0	-2	5.0
	North Cumberland Middle School	212	31.1	3.2	205	45.4	3.5	14.2	17.0
DCYF Alternative Education Program	DCYF Alternative Education Program	n/a	n/a	n/a	-	-	-	n/a	n/a
East Greenwich	Archie R. Cole Middle School	204	55.9	3.5	204	52.9	3.5	-2.9	9.0
East Providence	Edward R. Martin Middle School	252	14.3	2.2	217	15.7	2.5	1.4	6.2
	Riverside Middle School	163	17.2	3.0	192	29.7	3.3	12.5	16.2
Exeter-West Greenwich	Exeter-West Greenwich Regional Jr. High	164	38.4	3.8	154	34.4	3.8	-4.0	5.2
Foster-Glocester	Ponaganset Middle School	190	29.5	3.3	169	30.2	3.5	.7	11.4
Highlander Charter School	Highlander Charter School	32	12.5	5.8	36	8.3	4.6	-4.2	2.1
Jamestown	Jamestown School-Lawn	53	47.2	6.9	46	63.0	7.1	15.9	33.2
Johnston	Nicholas A. Ferri Middle School	287	20.9	2.4	233	27.9	2.9	7.0	3.2
Lincoln	Lincoln Middle School	303	23.8	2.4	305	34.1	2.7	10.3	9.4
Little Compton	Wilbur and McMahon Schools	33	39.4	8.5	39	35.9	7.7	-3.5	14.8
Middletown	Joseph H. Gaudet School	183	29.0	3.4	200	38.0	3.4	9.0	3.3
Narragansett	Narragansett Pier School	125	33.6	4.2	134	41.8	4.3	8.2	11.9
Newport	Frank E. Thompson Middle School	139	15.8	3.1	136	18.4	3.3	2.6	5.9
North Kingstown	Davisville Middle School	183	41.5	3.6	183	63.4	3.6	21.9	34.7
	Wickford Middle School	153	47.7	4.0	149	51.0	4.1	3.3	19.1
North Providence	Birchwood Middle School	136	14.0	3.0	142	10.6	2.6	-3.4	-3.8
	Dr. Edward A. Ricci Middle School	145	6.9	2.1	119	8.4	2.5	1.5	.4
North Smithfield	North Smithfield Middle School	140	22.1	3.5	155	34.2	3.8	12.1	20.7
Paul Cuffee Charter School	Paul Cuffee Charter School	47	12.8	4.9	52	15.4	5.0	2.6	7.7
Pawtucket	Goff Junior High School	251	9.6	1.9	275	9.5	1.8	-.1	-1.9
	Joseph Jenks Junior High School	199	5.5	1.6	142	4.9	1.8	-.6	2.8
	Samuel Slater Junior High School	262	5.3	1.4	280	7.1	1.5	1.8	-6
Portsmouth	Portsmouth Middle School	235	37.9	3.2	200	43.5	3.5	5.6	13.2
Providence	Esek Hopkins Middle School	145	-	-	207	1.9	1.0	-	.9
	Gilbert Stuart Middle School	232	1.7	.9	265	-	-	-	-
	Governor Christopher DelSesto MS	154	-	-	157	3.8	1.5	-	-
	Nathan Bishop Middle School	n/a	n/a	n/a	35	-	-	n/a	n/a
	Nathanael Greene Middle School	308	21.8	2.4	316	20.6	2.3	-1.2	16.0
	Roger Williams Middle School	287	-	-	257	-	-	-	-
	Samuel W. Bridgham Middle School	198	-	-	238	1.3	.7	-	-
	Times2 Academy	67	7.5	3.2	71	8.5	3.3	1.0	-3.7
Rhode Island School for the Deaf	Rhode Island School for the Deaf	-	-	-	11	-	-	-	-
Scituate	Scituate Middle School	146	36.3	4.0	129	37.2	4.3	.9	-2.0
Smithfield	Vincent J. Gallagher Middle School	236	50.8	3.3	175	49.1	3.8	-1.7	5.1
South Kingstown	Curtis Corner Middle School	273	43.2	3.0	274	57.3	3.0	14.1	12.6
The Compass School	The Compass School	14	50.0	13.4	14	50.0	13.4	.0	22.7
Tiverton	Tiverton Middle School	147	29.9	3.8	144	19.4	3.3	-10.5	3.0
Urban Collaborative Accelerated Prog.	Urban Collaborative Accelerated Program	59	1.7	1.7	70	-	-	-	-
Warwick	Aldrich Junior High School	280	18.2	2.3	290	20.0	2.3	1.8	8.1
	Gorton Junior High School	298	19.5	2.3	255	20.0	2.5	.5	6.7
	Winman Junior High School	279	23.3	2.5	282	25.5	2.6	2.2	3.5
West Warwick	John F. Deering Middle School	251	14.3	2.2	244	15.2	2.3	.8	2.2
Westerly	Westerly Middle School	235	27.2	2.9	260	40.8	3.0	13.5	15.0
Woonsocket	Woonsocket Middle School	410	7.1	1.3	442	5.0	1.0	-2.1	2.4

Key

SE = Standard error (see Appendix B)

 = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results and/or 2008 to 2011 results

 = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results and/or 2008 to 2011 results

 = No statistically significant difference from 2010 to 2011 results and/or 2008 to 2011 results

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

Table 17. Percent of Students At/Above “Proficient” in Science: 11TH GRADE

District	School	2010 N	2010 % Prof.	SE	2011 N	2011 % Prof.	SE	Diff. 2010- 2011	Diff. 2008- 2011
Barrington	Barrington High School	291	50.2	2.9	300	57.0	2.9	6.8	1.3
BEACON Charter School	BEACON Charter School	42	14.3	5.4	43	27.9	6.8	13.6	23.1
Blackstone Academy Charter School	Blackstone Academy Charter School	39	5.1	3.5	38	15.8	5.9	10.7	13.1
Bristol Warren	Mt. Hope High School	255	19.2	2.5	243	36.6	3.1	17.4	17.5
Burrillville	Burrillville High School	197	15.2	2.6	178	25.3	3.3	10.1	16.6
Central Falls	Central Falls Senior High School	189	3.7	1.4	187	5.9	1.7	2.2	1.6
Chariho	Chariho Regional High School	280	38.2	2.9	278	37.8	2.9	-4	15.9
	The R.Y.S.E. School	-	-	-	-	-	-	-	-
Coventry	Coventry High School	396	22.5	2.1	425	29.9	2.2	7.4	15.1
	Cranston High School East	325	15.4	2.0	384	17.4	1.9	2.1	11.5
Cranston	Cranston High School West	401	32.9	2.3	388	33.2	2.4	.3	11.6
	NEL/CPS Construction Career Academy	73	-	-	53	3.8	2.6	-	-
Cumberland	Cumberland High School	371	25.1	2.3	349	28.9	2.4	3.9	10.2
DCYF Alternative Education Program	DCYF Alternative Education Program	-	-	-	13	-	-	-	-
East Greenwich	East Greenwich High School	184	51.1	3.7	192	60.9	3.5	9.9	22.9
East Providence	East Providence High School	408	8.1	1.3	398	29.1	2.3	21.1	20.9
Exeter-West Greenwich	Exeter-W. Greenwich Regional High Sch.	150	18.7	3.2	139	45.3	4.2	26.7	19.7
Foster-Glocester	Ponaganset High School	202	23.3	3.0	195	32.3	3.3	9.0	18.2
Johnston	Johnston Senior High School	218	12.4	2.2	179	19.6	3.0	7.2	3.4
Lincoln	Lincoln Senior High School	238	34.0	3.1	231	30.7	3.0	-3.3	4.9
Metropolitan Reg. Career & Tech.	Metro. Regional Career & Tech. Center	176	-	-	123	6.5	2.2	-	3.9
Middletown	Middletown High School	131	25.2	3.8	142	45.1	4.2	19.9	29.2
Narragansett	Narragansett High School	111	50.5	4.7	127	41.7	4.4	-8.7	14.8
New Shoreham	Block Island School	19	26.3	10.1	22	40.9	10.5	14.6	15.9
Newport	Rogers High School	151	17.2	3.1	118	11.9	3.0	-5.4	-3.8
North Kingstown	North Kingstown Senior High School	402	28.4	2.2	398	29.4	2.3	1.0	3.0
North Providence	North Providence High School	251	10.0	1.9	244	17.6	2.4	7.7	7.9
North Smithfield	North Smithfield High School	136	30.1	3.9	122	25.4	3.9	-4.7	-2.1
Pawtucket	Walsh Sch. for Performing & Visual Arts	19	15.8	8.4	28	25.0	8.2	9.2	n/a
	Shea Senior High School	205	6.8	1.8	197	6.6	1.8	-.2	2.0
	William E Tolman Senior High School	257	9.7	1.8	250	12.0	2.1	2.3	-9
Portsmouth	Portsmouth High School	231	51.9	3.3	256	54.7	3.1	2.7	18.1
	Academy for Career Exploration (ACES).	43	-	-	48	4.2	2.9	-	-
	Central High School	195	-	-	216	2.8	1.1	-	1.2
	Classical High School	244	30.3	2.9	242	29.3	2.9	-1.0	9.9
	Dr. Jorge Alvarez High School	105	-	-	80	2.5	1.7	-	-3
	E-Cubed Academy	75	1.3	1.3	78	2.6	1.8	1.2	1.0
	Hope Arts School	107	4.7	2.0	133	-	-	-	-
	Hope Information Technology School	106	3.8	1.9	98	1.0	1.0	-2.8	-1.4
	Mount Pleasant High School	212	-	-	194	3.1	1.2	-	-
	Providence Acad. of International Studies	78	1.3	1.3	82	1.2	1.2	-.1	-
	Providence Career and Technical School	68	1.5	1.5	68	1.5	1.5	.0	n/a
	Times2 Academy	30	30.0	8.4	38	23.7	6.9	-6.3	1.8
Providence	Cooley Sr. High School/Health and Sci.	78	-	-	84	1.2	1.2	-	-
	Rhode Island School for the Deaf	-	-	-	-	-	-	-	-
Scituate	Scituate High School	126	36.5	4.3	110	50.9	4.8	14.4	34.1
Smithfield	Smithfield Senior High School	190	37.4	3.5	193	44.6	3.6	7.2	15.9
South Kingstown	South Kingstown High School	250	43.2	3.1	261	50.6	3.1	7.4	14.5
Tiverton	Tiverton High School	125	21.6	3.7	131	38.9	4.3	17.3	8.4
Warwick	Pilgrim High School	268	13.1	2.1	262	17.6	2.4	4.5	5.7
	Toll Gate High School	248	17.3	2.4	247	20.6	2.6	3.3	6.1
	Warwick Veterans Memorial HS	243	10.7	2.0	217	10.6	2.1	-.1	-4.7
West Warwick	West Warwick Senior High School	220	10.9	2.1	226	15.0	2.4	4.1	.1
Westerly	Westerly High School	256	40.2	3.1	238	43.7	3.2	3.5	22.1
Davies Jr. Career-Tech. High School	Wm. M. Davies Jr. Career-Tech. High Sch.	163	14.7	2.8	184	13.0	2.5	-1.7	9.8
Woonsocket	Woonsocket High School	373	4.8	1.1	351	10.0	1.6	5.1	5.0

Key

SE = Standard error (see Appendix B)

 = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results and/or 2008 to 2011 results

 = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results and/or 2008 to 2011 results

 = No statistically significant difference from 2010 to 2011 results and/or 2008 to 2011 results

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

Table 18. Schools with $\geq 74.5\%$ Student Proficiency in 2011 (sorted by % proficient or above).

District	School	School Level	2011 N	2011 % Prof.	SE	Difference 2010-2011
Chariho	Ashaway Elementary School	Elementary	43	86.0	5.3	11.0
Smithfield	Raymond C. LaPerche School	Elementary	49	85.7	5.0	-10.1
Chariho	Hope Valley Elementary School	Elementary	47	83.0	5.5	13.9
Chariho	Charlestown Elementary School	Elementary	82	81.7	4.3	4.7
Lincoln	Lincoln Central Elementary School	Elementary	71	81.7	4.6	14.5
East Greenwich	George Hanaford School	Elementary	96	81.3	4.0	1.5
Kingston Hill Academy	Kingston Hill Academy	Elementary	21	81.0	8.6	-9.5
Westerly	State Street School	Elementary	63	79.4	5.1	31.0
East Greenwich	James H. Eldredge El. School	Elementary	92	79.3	4.2	5.7
Johnston	Sarah Dyer Barnes School	Elementary	48	79.2	5.9	14.2
Jamestown	Jamestown School-Melrose	Elementary	39	76.9	6.7	5.8
Cranston	Edward S. Rhodes School	Elementary	38	76.3	6.9	4.9
North Kingstown	Stony Lane Elementary School	Elementary	92	76.1	4.4	n/a
South Kingstown	Matunuck School	Elementary	64	75.0	5.4	-10.0
Cranston	Orchard Farms Elementary School	Elementary	67	74.6	5.3	13.0

Key

SE = Standard error (see Appendix B)

 = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results

 = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results

 = No statistically significant difference from 2010 to 2011 results
Table 19. Schools with 49.5% to 74.4% Student Proficiency in 2011 (sorted by % proficient or above).

District	School	School Level	2011 N	2011 % Prof.	SE	Difference 2010-2011
Chariho	Richmond Elementary School	Elementary	73	74.0	5.1	.9
South Kingstown	Peace Dale Elementary School	Elementary	87	73.6	4.7	-1.1
Smithfield	William Winsor School	Elementary	49	73.5	6.3	3.9
Scituate	Clayville Elementary School	Elementary	36	72.2	7.5	5.6
Smithfield	Old County Road School	Elementary	43	72.1	6.8	24.6
Coventry	Western Coventry School	Elementary	64	71.9	5.6	5.7
Little Compton	Wilbur and McMahon Schools	Elementary	24	70.8	9.3	-2.7
North Kingstown	Hamilton Elementary School	Elementary	68	70.6	5.5	.5
The Compass School	The Compass School	Elementary	17	70.6	11.1	-18.3
Cranston	Hope Highlands Elementary School	Elementary	59	69.5	6.0	1.4
Barrington	Barrington Middle School	Middle	288	68.8	2.7	3.6
Lincoln	Lonsdale Elementary School	Elementary	48	68.8	6.7	17.5
South Kingstown	Wakefield Elementary School	Elementary	48	68.8	6.7	7.0
Bristol Warren	Rockwell School	Elementary	49	67.3	6.7	2.9
Foster	Captain Isaac Paine Elementary School	Elementary	55	67.3	6.3	8.2
Cumberland	Community School	Elementary	117	66.7	4.4	9.2
Johnston	Brown Avenue School	Elementary	45	66.7	7.0	.8
Narragansett	Narragansett Elementary School	Elementary	105	66.7	4.6	18.5
North Providence	Stephen Olney School	Elementary	33	66.7	8.2	21.7
Tiverton	Fort Barton School	Elementary	42	66.7	7.3	-6.7
Westerly	Dunn's Corners School	Elementary	67	65.7	5.8	20.7
Scituate	North Scituate Elementary School	Elementary	49	65.3	6.8	.3

District	School	School Level	2011 N	2011 % Prof.	SE	Difference 2010-2011
Glocester	West Glocester Elementary	Elementary	43	65.1	7.3	5.5
Lincoln	Northern Lincoln Elementary School	Elementary	74	64.9	5.5	19.9
Barrington	Hampden Meadows School	Elementary	266	64.7	2.9	-9.1
Cranston	Woodridge School	Elementary	56	64.3	6.4	-13.5
Warwick	Randall Holden School	Elementary	42	64.3	7.4	25.0
Smithfield	Anna M. McCabe School	Elementary	53	64.2	6.6	-6.2
North Kingstown	Davisville Middle School	Middle	183	63.4	3.6	21.9
Jamestown	Jamestown School-Lawn	Middle	46	63.0	7.1	15.9
Westerly	Bradford Elementary School	Elementary	21	61.9	10.6	11.9
Cranston	Eden Park School	Elementary	55	61.8	6.6	6.8
Warwick	E. G. Robertson School	Elementary	44	61.4	7.3	22.9
Johnston	Winsor Hill School	Elementary	67	61.2	6.0	4.1
Newport	Coggeshall School	Elementary	18	61.1	11.5	15.7
East Greenwich	East Greenwich High School	High	192	60.9	3.5	9.9
Tiverton	Walter E. Ranger School	Elementary	48	60.4	7.1	-6.3
North Providence	James L. McGuire School	Elementary	44	59.1	7.4	1.9
North Kingstown	Forest Park Elementary School	Elementary	46	58.7	7.3	n/a
Warwick	Cedar Hill School	Elementary	65	58.5	6.1	-10.9
Portsmouth	Portsmouth Middle School	Elementary	188	58.0	3.6	n/a
Burrillville	Steere Farm Elementary School	Elementary	104	57.7	4.8	16.2
Cumberland	John J. McLaughlin Cumberland Hill School	Elementary	111	57.7	4.7	4.2
South Kingstown	Curtis Corner Middle School	Middle	274	57.3	3.0	14.1
Scituate	Hope Elementary School	Elementary	42	57.1	7.6	-17.3
Barrington	Barrington High School	High	300	57.0	2.9	6.8
North Smithfield	Dr. Harry L. Halliwell Memorial School	Elementary	125	56.8	4.4	-3.7
Warwick	Harold F. Scott School	Elementary	44	56.8	7.5	25.2
Coventry	Tiogue School	Elementary	80	56.3	5.5	-8.2
South Kingstown	West Kingston Elementary School	Elementary	50	56.0	7.0	-3.3
Coventry	Washington Oak School	Elementary	110	55.5	4.7	-3.2
Cranston	Daniel D. Waterman School	Elementary	38	55.3	8.1	7.9
Glocester	Fogarty Memorial School	Elementary	67	55.2	6.1	-6.0
Cranston	Stadium School	Elementary	49	55.1	7.1	-2.4
Portsmouth	Portsmouth High School	High	256	54.7	3.1	2.7
Westerly	Springbrook Elementary School	Elementary	70	54.3	6.0	.6
Lincoln	Saylesville Elementary School	Elementary	72	54.2	5.9	-20.8
Cranston	Garden City School	Elementary	41	53.7	7.8	13.1
Newport	William J. Underwood School	Elementary	43	53.5	7.6	-7.9
East Providence	Myron J. Francis Elementary School	Elementary	75	53.3	5.8	-7.2
Cranston	George J. Peters School	Elementary	51	52.9	7.0	12.9
East Greenwich	Archie R. Cole Middle School	Middle	204	52.9	3.5	-2.9
Coventry	Blackrock School	Elementary	68	51.5	6.1	-7.1
North Kingstown	Fishing Cove Elementary School	Elementary	35	51.4	8.4	n/a
Cranston	Oak Lawn School	Elementary	47	51.1	7.3	-12.8
North Kingstown	Wickford Middle School	Middle	149	51.0	4.1	3.3
Scituate	Scituate High School	High	110	50.9	4.8	14.4
South Kingstown	South Kingstown High School	High	261	50.6	3.1	7.4
Bristol Warren	Colt Andrews School	Elementary	64	50.0	6.3	2.0
Burrillville	William L. Callahan School	Elementary	94	50.0	5.2	14.0
The Compass School	The Compass School	Middle	14	50.0	13.4	.0

Key

SE = Standard error (see Appendix B)

 = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results = No statistically significant difference from 2010 to 2011 results

Table 20. Schools with 24.5% to 49.4% Student Proficiency in 2011 (sorted by % proficient or above).

District	School	School Level	2011 N	2011 % Prof.	SE	Difference 2010-2011
Smithfield	Vincent J. Gallagher Middle School	Middle	175	49.1	3.8	-1.7
Cranston	Chester W. Barrows School	Elementary	39	48.7	8.0	-1.3
Cumberland	Garvin Memorial School	Elementary	68	48.5	6.1	2.9
Cranston	Stone Hill School	Elementary	54	48.1	6.8	-12.7
Cranston	William R. Dutemple School	Elementary	42	47.6	7.7	15.8
Tiverton	Pocasset School	Elementary	51	47.1	7.0	-6.9
Exeter-West Greenwich	Metcalf School	Elementary	130	46.2	4.4	-2.3
International Charter School	International Charter School	Elementary	50	46.0	7.0	24.7
East Providence	Alice M. Waddington School	Elementary	77	45.5	5.7	-11.3
New Shoreham	Block Island School	Elementary	11	45.5	15.0	-26.0
Pawtucket	Francis J. Varieur School	Elementary	44	45.5	7.5	6.4
Cumberland	North Cumberland Middle School	Middle	205	45.4	3.5	14.2
Cranston	Glen Hills School	Elementary	53	45.3	6.8	8.1
Exeter-West Greenwich	Exeter-West Greenwich Regional High School	High	139	45.3	4.2	26.7
Cumberland	Ashton School	Elementary	51	45.1	7.0	13.8
Middletown	Middletown High School	High	142	45.1	4.2	19.9
Smithfield	Smithfield Senior High School	High	193	44.6	3.6	7.2
Warwick	Francis School	Elementary	43	44.2	7.6	5.5
Coventry	Hopkins Hill School	Elementary	68	44.1	6.0	-13.0
West Warwick	Wakefield Hills Elementary School	Elementary	64	43.8	6.2	14.0
Westerly	Westerly High School	High	238	43.7	3.2	3.5
Portsmouth	Portsmouth Middle School	Middle	200	43.5	3.5	5.6
Newport	Cranston - Calvert School	Elementary	35	42.9	8.4	5.6
Warwick	Warwick Neck School	Elementary	50	42.0	7.0	4.0
Narragansett	Narragansett Pier School	Middle	134	41.8	4.3	8.2
Narragansett	Narragansett High School	High	127	41.7	4.4	-8.7
Providence	Vartan Gregorian Elementary School	Elementary	46	41.3	7.3	-4.2
New Shoreham	Block Island School	High	22	40.9	10.5	14.6
Westerly	Westerly Middle School	Middle	260	40.8	3.0	13.5
Johnston	Thornton School	Elementary	64	40.6	6.1	-13.2
Bristol Warren	Guiteras School	Elementary	42	40.5	7.6	-14.6
Warwick	John Wickes School	Elementary	67	40.3	6.0	.3
Coventry	Feinstein Middle School Of Coventry	Middle	409	40.1	2.4	1.3
Pawtucket	Curvin-McCabe School	Elementary	58	39.7	6.4	2.4
Warwick	Wyman School	Elementary	43	39.5	7.5	-14.0
Woonsocket	Bernon Heights School	Elementary	71	39.4	5.8	-14.7
Providence	Anthony Carnevale Elementary School	Elementary	51	39.2	6.8	.0
Warwick	Holliman School	Elementary	41	39.0	7.6	-2.2
Tiverton	Tiverton High School	High	131	38.9	4.3	17.3
West Warwick	Greenbush Elementary School	Elementary	106	38.7	4.7	1.2
East Providence	Silver Spring School	Elementary	44	38.6	7.3	-11.4
Middletown	Joseph H. Gaudet Learning Academy	Elementary	185	38.4	3.6	-7.2
Warwick	Park School	Elementary	42	38.1	7.5	-22.6
Middletown	Joseph H. Gaudet School	Middle	200	38.0	3.4	9.0
Chariho	Chariho Regional High School	High	278	37.8	2.9	-.4
Woonsocket	Globe Park School	Elementary	82	37.8	5.4	-2.6
Scituate	Scituate Middle School	Middle	129	37.2	4.3	.9
Warwick	Cottrell F. Hoxsie School	Elementary	43	37.2	7.4	-6.8

District	School	School Level	2011 N	2011 % Prof.	SE	Difference 2010-2011
Bristol Warren	Hugh Cole School	Elementary	100	37.0	4.8	-9.3
Bristol Warren	Mt. Hope High School	High	243	36.6	3.1	17.4
North Providence	Centredale School	Elementary	33	36.4	8.4	4.0
Providence	Robert F. Kennedy Elementary School	Elementary	75	36.0	5.5	-9.5
Little Compton	Wilbur and McMahon Schools	Middle	39	35.9	7.7	-3.5
Chariho	Chariho Regional Middle School	Middle	269	35.7	2.9	4.1
Warwick	Greenwood School	Elementary	51	35.3	6.7	-21.1
Exeter-West Greenwich	Exeter-West Greenwich Regional Junior High	Middle	154	34.4	3.8	-4.0
North Providence	Dr. Joseph A Whelan Elementary School	Elementary	32	34.4	8.4	-1.6
North Smithfield	North Smithfield Middle School	Middle	155	34.2	3.8	12.1
Lincoln	Lincoln Middle School	Middle	305	34.1	2.7	10.3
Cranston	Edgewood Highland School	Elementary	33	33.3	8.2	2.8
North Kingstown	Suzanne M. Henseler Quidnessett Elementary	Elementary	42	33.3	7.3	-26.1
Providence	Reservoir Avenue School	Elementary	51	33.3	6.6	5.3
Cranston	Cranston High School West	High	388	33.2	2.4	.3
Foster-Glocester	Ponaganset High School	High	195	32.3	3.3	9.0
Warwick	Norwood School	Elementary	50	32.0	6.6	-1.3
North Providence	Greystone School	Elementary	45	31.1	6.9	-32.5
Lincoln	Lincoln Senior High School	High	231	30.7	3.0	-3.3
East Providence	Kent Heights School	Elementary	49	30.6	6.6	-4.1
Providence	Webster Avenue School	Elementary	76	30.3	5.3	18.3
Foster-Glocester	Ponaganset Middle School	Middle	169	30.2	3.5	.7
Woonsocket	Leo A. Savoie School	Elementary	63	30.2	5.8	-13.7
Coventry	Coventry High School	High	425	29.9	2.2	7.4
East Providence	Riverside Middle School	Middle	192	29.7	3.3	12.5
North Kingstown	North Kingstown Senior High School	High	398	29.4	2.3	1.0
Cranston	Western Hills Middle School	Middle	362	29.3	2.4	-1.0
Providence	Classical High School	High	242	29.3	2.9	-1.0
East Providence	East Providence High School	High	398	29.1	2.3	21.1
Cumberland	Cumberland High School	High	349	28.9	2.4	3.9
BEACON Charter School	BEACON Charter School	High	43	27.9	6.8	13.6
Johnston	Nicholas A. Ferri Middle School	Middle	233	27.9	2.9	7.0
The Learning Community	The Learning Community Charter School	Elementary	61	27.9	5.7	14.9
Cranston	Arlington School	Elementary	26	26.9	8.7	-7.7
Warwick	Sherman School	Elementary	60	26.7	5.7	-9.7
Pawtucket	Nathanael Greene School	Elementary	68	26.5	5.4	8.2
Warwick	Oakland Beach Elementary School	Elementary	49	26.5	6.3	-18.8
Woonsocket	Harris School	Elementary	49	26.5	6.3	-7.9
Warwick	Lippitt School	Elementary	46	26.1	6.5	-3.9
Bristol Warren	Kickemuit Middle School	Middle	254	25.6	2.7	.7
Pawtucket	Agnes E. Little School	Elementary	55	25.5	5.9	9.9
Warwick	Winman Junior High School	Middle	282	25.5	2.6	2.2
West Warwick	John F. Horgan Elementary School	Elementary	110	25.5	4.2	-9.7
North Smithfield	North Smithfield High School	High	122	25.4	3.9	-4.7
Burrillville	Burrillville High School	High	178	25.3	3.3	10.1
Pawtucket	Walsh School for Performing & Visual Arts	High	28	25.0	8.2	9.2
East Providence	Emma G. Whiteknact School	Elementary	49	24.5	6.1	-4.1

Key

SE = Standard error (see Appendix B)

 = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results

 = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results

 = No statistically significant difference from 2010 to 2011 results

Table 21. Schools with < 24.5% Student Proficiency in Science in 2011.

District	School	School Level	2011 N	2011 % Prof.	SE	Difference 2010-2011
Providence	Alan Shawn Feinstein Elementary at Broad Street	Elementary	62	24.2	5.4	14.9
Pawtucket	Elizabeth Baldwin School	Elementary	101	23.8	4.2	9.8
Providence	Times2 Academy	High	38	23.7	6.9	-6.3
Cranston	Park View Middle School	Middle	238	23.5	2.7	-3.4
Providence	Dr. Martin Luther King, Jr. Elementary School	Elementary	51	23.5	5.9	-2.0
Woonsocket	Citizens Memorial School	Elementary	81	23.5	4.7	-5.8
North Providence	Marievill Elementary School	Elementary	47	23.4	6.2	-11.5
Burrillville	Burrillville Middle School	Middle	179	22.9	3.1	11.0
Providence	Harry Kizirian Elementary School	Elementary	88	22.7	4.5	.9
East Providence	Orlo Avenue School	Elementary	49	22.4	6.0	7.6
Cranston	Gladstone Street School	Elementary	103	22.3	4.1	-15.6
Highlander Charter School	Highlander Charter School	Elementary	36	22.2	6.9	13.9
Cranston	Hugh B. Bain Middle School	Middle	204	21.6	2.9	5.5
East Providence	Agnes B. Hennessey School	Elementary	47	21.3	6.0	-24.7
Central Falls	Veterans Memorial Elementary	Elementary	99	21.2	4.1	2.9
Pawtucket	Fallon Memorial School	Elementary	77	20.8	4.6	4.6
Providence	Nathanael Greene Middle School	Middle	316	20.6	2.3	-1.2
Warwick	Toll Gate High School	High	247	20.6	2.6	3.3
Paul Cuffee Charter School	Paul Cuffee Charter School	Elementary	54	20.4	5.5	-20.4
Providence	Veazie Street School	Elementary	93	20.4	4.2	.2
Central Falls	Ella Risk School	Elementary	123	20.3	3.6	1.2
Warwick	Aldrich Junior High School	Middle	290	20.0	2.3	1.8
Warwick	Gorton Junior High School	Middle	255	20.0	2.5	.5
Johnston	Johnston Senior High School	High	179	19.6	3.0	7.2
Pawtucket	Potter-Burns School	Elementary	87	19.5	4.3	-.5
Providence	Carl G. Lauro Elementary School	Elementary	128	19.5	3.5	7.1
Tiverton	Tiverton Middle School	Middle	144	19.4	3.3	-10.5
East Providence	James R. D. Oldham School	Elementary	26	19.2	7.7	-2.4
Cumberland	Joseph L. McCourt Middle School	Middle	173	19.1	3.0	-.2
Cumberland	B.F. Norton Elementary School	Elementary	49	18.4	5.5	-8.9
Newport	Frank E. Thompson Middle School	Middle	136	18.4	3.3	2.6
Newport	Dr. M. H. Sullivan School	Elementary	44	18.2	5.8	-12.8
Pawtucket	Flora S. Curtis Memorial School	Elementary	44	18.2	5.8	-3.4
North Providence	North Providence High School	High	244	17.6	2.4	7.7
Warwick	Pilgrim High School	High	262	17.6	2.4	4.5
Cranston	Cranston High School East	High	384	17.4	1.9	2.1
Providence	Times2 Academy	Elementary	49	16.3	5.3	2.6
Blackstone Academy	Blackstone Academy Charter School	High	38	15.8	5.9	10.7
Pawtucket	M. Virginia Cunningham School	Elementary	57	15.8	4.8	-3.0
East Providence	Edward R. Martin Middle School	Middle	217	15.7	2.5	1.4
Paul Cuffee Charter School	Paul Cuffee Charter School	Middle	52	15.4	5.0	2.6
West Warwick	John F. Deering Middle School	Middle	244	15.2	2.3	.8
Providence	Charles N. Fortes Elementary School	Elementary	73	15.1	4.2	.3
West Warwick	West Warwick Senior High School	High	226	15.0	2.4	4.1
Woonsocket	Kevin K. Coleman Elementary School	Elementary	91	14.3	3.7	-5.5
Providence	George J. West Elementary School	Elementary	103	13.6	3.4	1.6
Davies Career-Technical	Wm. M. Davies Jr. Career-Technical High School	High	184	13.0	2.5	-1.7
Providence	Lillian Feinstein Elementary, Sackett Street	Elementary	78	12.8	3.8	-.2
Providence	Windmill Street Elementary School	Elementary	55	12.7	4.5	-3.6
Providence	Frank D. Spaziano Avenue Elementary School	Elementary	96	12.5	3.4	2.5
Providence	Asa Messer Elementary School	Elementary	74	12.2	3.8	-4.0
Pawtucket	William E Tolman Senior High School	High	250	12.0	2.1	2.3
Newport	Rogers High School	High	118	11.9	3.0	-5.4

District	School	School Level	2011 N	2011 % Prof.	SE	Difference 2010-2011
Pawtucket	Henry J. Winters School	Elementary	63	11.1	4.0	3.4
Providence	William D'Abate Elementary School	Elementary	75	10.7	3.6	-7.3
North Providence	Birchwood Middle School	Middle	142	10.6	2.6	-3.4
Warwick	Warwick Veterans Memorial HS	High	217	10.6	2.1	-.1
Woonsocket	Woonsocket High School	High	351	10.0	1.6	5.1
Pawtucket	Goff Junior High School	Middle	275	9.5	1.8	-.1
Providence	Alfred Lima, Sr. Elementary School	Elementary	55	9.1	3.9	-3.6
Providence	Times2 Academy	Middle	71	8.5	3.3	1.0
North Providence	Dr. Edward A. Ricci Middle School	Middle	119	8.4	2.5	1.5
Highlander Charter School	Highlander Charter School	Middle	36	8.3	4.6	-4.2
Providence	Mary E. Fogarty Elementary School	Elementary	72	8.3	3.3	-3.6
Providence	Pleasant View School	Elementary	49	8.2	3.9	.5
Providence	West Broadway Elementary School	Elementary	65	7.7	3.3	1.6
Pawtucket	Samuel Slater Junior High School	Middle	280	7.1	1.5	1.8
Pawtucket	Shea Senior High School	High	197	6.6	1.8	-.2
Metro. Reg. Career & Tech.	Metropolitan Regional Career and Technical Center	High	123	6.5	2.2	5.9
Central Falls	Central Falls Senior High School	High	187	5.9	1.7	2.2
Woonsocket	Woonsocket Middle School	Middle	442	5.0	1.0	-2.1
Pawtucket	Joseph Jenks Junior High School	Middle	142	4.9	1.8	-.6
Providence	Edmund W. Flynn Elementary School	Elementary	88	4.5	2.2	.9
Providence	Robert L Bailey IV, Elementary School	Elementary	69	4.3	2.5	1.9
Providence	Academy for Career Exploration (ACES).	High	48	4.2	2.9	4.2
Providence	Charlotte Woods Elementary School	Elementary	51	3.9	2.7	1.8
Cranston	NEL/CPS Construction Career Academy	High	53	3.8	2.6	3.8
Providence	Governor Christopher DelSesto Middle School	Middle	157	3.8	1.5	3.8
Providence	Mount Pleasant High School	High	194	3.1	1.2	2.1
Central Falls	Dr. Earl F. Calcutt Middle School	Middle	253	2.8	1.0	-1.8
Providence	Central High School	High	216	2.8	1.1	2.3
Providence	E-Cubed Academy	High	78	2.6	1.8	1.2
Providence	Dr. Jorge Alvarez High School	High	80	2.5	1.7	2.5
Providence	Sergeant Cornel Young, Jr. Elementary School	Elementary	48	2.1	2.1	-6.3
Providence	Esek Hopkins Middle School	Middle	207	1.9	1.0	1.2
Providence	Providence Career and Technical School	High	68	1.5	1.5	.0
Providence	Samuel W. Bridgham Middle School	Middle	238	1.3	.7	.8
Providence	Providence Academy of International Studies	High	82	1.2	1.2	-.1
Providence	William B. Cooley Sr. High Sch./Health and Science	High	84	1.2	1.2	1.2
Providence	Hope Information Technology School	High	98	1.0	1.0	-2.8
Providence	Gilbert Stuart Middle School	Middle	265	-	-	-
Providence	Hope Arts School	High	133	-	-	-
Providence	Roger Williams Middle School	Middle	257	-	-	-
Chariho	The R.Y.S.E. School	Middle	-	-	-	-
Chariho	The R.Y.S.E. School	High	-	-	-	-
DCYF	DCYF Alternative Education Program	Middle	-	-	-	n/a
DCYF	DCYF Alternative Education Program	High	13	-	-	-
Providence	Nathan Bishop Middle School	Middle	35	-	-	n/a
RI School for the Deaf	Rhode Island School for the Deaf	Elementary	-	-	-	-
RI School for the Deaf	Rhode Island School for the Deaf	Middle	11	-	-	-
RI School for the Deaf	Rhode Island School for the Deaf	High	-	-	-	-
Urban Collaborative	Urban Collaborative Accelerated Program	Middle	70	-	-	-

Key

SE = Standard error (see Appendix B)

■ = Statistically significant *decrease* in percent of students proficient or above from 2010 to 2011 results■ = Statistically significant *increase* in percent of students proficient or above from 2010 to 2011 results

□ = No statistically significant difference from 2010 to 2011 results

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

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 the percent proficient is less than 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

- o **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.
- o **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.
- o **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.
- o **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 2010 and the following year in 2011, 66% of 4th grade students were proficient or above, thus resulting in an increase of +6 percentage points. If the sum of the 2010 $SE(1.96)$ and the 2011 $SE(1.96)$ is 6.5, then the change from 2010 to 2011 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 2011 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.