

RI NECAP Science Results for Students in Grades 4, 8, and 11

May 2008 vs. May 2009 Testing

Rhode Island Department of Elementary and Secondary Education
Office of Instruction, Assessment, and Accountability
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SEPTEMBER 21, 2009

EXECUTIVE SUMMARY

Results of the New England Common Assessment Program (NECAP) Science assessment, administered last May to students in grades 4, 8, and 11 showed that statewide, roughly 25 percent of Rhode Island students were proficient in science (up 1.4 percent from the previous administration in May 2008). Additionally, all grades had fewer students that scored significantly below proficient and with the exception of middle school students, more students across the state scored in the proficient category.

In grade 4 approximately 40 percent of students were proficient or above, representing the largest gain (up nearly 4 percent) of the three tested grades. In grade 8, nearly 18 percent of students were at or above proficient, representing a slight dip (down 1.2 percent) from the previous administration. In grade 11, roughly 19 percent of students scored at or above proficiency, which is 3 percentage points higher than the previous year.

Table 1. Statewide results by grade level.

Level	% SBP 2008	% BP 2008	% P 2008	% PwD 2008	% P+PwD 2008	% SBP 2009	% BP 2009	% P 2009	% PwD 2009	% P+PwD 2009	Difference between 2008 and 2009 percent of students proficient or above
ALL	33.1	43.1	23.1	.8	23.8	31.4	43.4	24.7	.5	25.2	+1.4
ELEM	21.8	41.8	35.2	1.2	36.4	19.9	39.9	39.9	.3	40.3	+3.9
MID	38.0	43.3	18.3	.4	18.7	37.6	44.9	17.1	.4	17.6	-1.2
HIGH	39.3	44.3	15.7	.7	16.4	35.5	45.0	18.8	.7	19.4	+3.0

Key
 SBP = Significantly Below Proficient
 BP = Below Proficient
 P = Proficient
 PwD = Proficient with Distinction
 ■ = Negative change from previous NECAP science results
 ■ = Positive change from previous NECAP science results
 □ = No change or <1% change from previous NECAP science results

The NECAP Science assessment is divided into four sections that assess physical science, earth and space science, life science, and inquiry science. Although there are not enough common items or points within each science domain from year-to-year to construct scale scores, it is still possible to glean useful information for comparative purposes by examining the percentage correct responses based on the total available points in each domain. Doing so yields information that can serve as a rough estimate of where curriculum and instructional practices have succeeded and where further investigation may be required to determine if changes are necessary.

Table 2. NECAP Science Domain items percentage correct by school level: 2008 vs. 2009

School Level	NECAP Science Domain							
	Physical Science.		Earth/Space Science		Life Science		Inquiry Science	
	'08	'09	'08	'09	'08	'09	'08	'09
ALL	52.1	51.1	47.1	52.4	51.4	49.3	43.5	39.3
ELEM	54.5	57.6	57.5	65.3	59.7	59.2	46.9	45.1
MID	53.5	43.5	41.7	46.7	52.1	43.7	40.3	35.9
HIGH	48.1	53.4	42.5	46.5	41.8	46.1	43.5	37.6

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Overall, while there were some notable increases in the percentage of correct responses in three of the four science domains, and while there were increases in the percentage of students who scored at or above proficient on the NECAP Science assessment in various student subgroups and at some 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.

QUESTION:

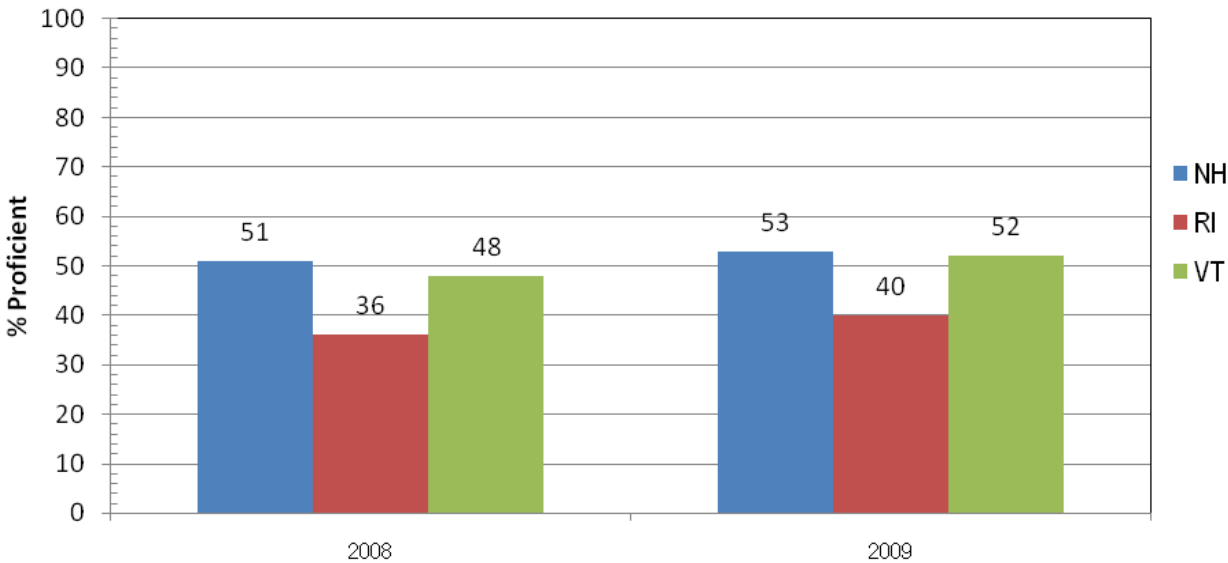
How are elementary school students in Rhode Island performing on the NECAP science compared to students in New Hampshire and Vermont?

SUPPORTING DATA:

Table 3. NECAP Science Assessment percent of elementary school students at or above proficient across states

Year	NH	RI	VT
2008	51	36	48
2009	53	40	52

Figure 1. Elementary school science proficiency: NH vs. RI vs. VT



ANALYSIS:

- Rhode Island and Vermont both increased achievement in science by 4%
- Rhode Island elementary schools continue to lag behind those of the other two NECAP states in science proficiency.

QUESTION:

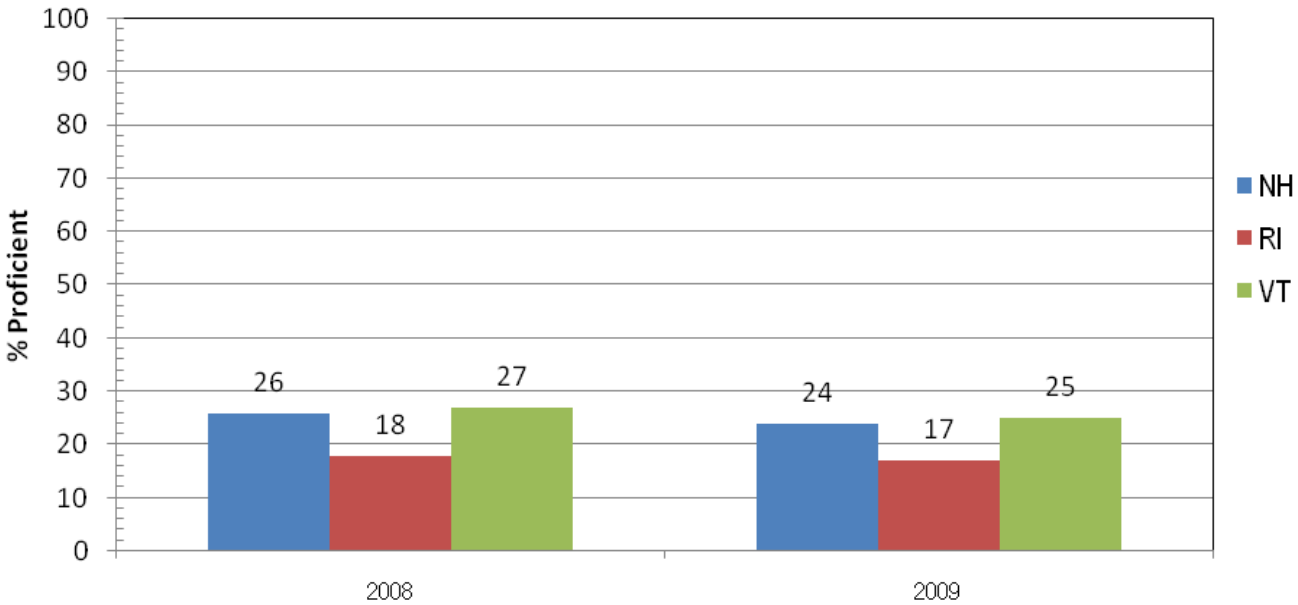
How are middle school students in Rhode Island performing on the NECAP science compared to students in New Hampshire and Vermont?

SUPPORTING DATA:

Table 4. NECAP Science Assessment percent of middle school students at or above proficient across states

Year	NH	RI	VT
2008	26	18	27
2009	24	17	25

Figure 2. Middle school science proficiency: NH vs. RI vs. VT



ANALYSIS:

- All three NECAP states experienced a decrease in middle school science achievement.
- Rhode Island middle schools continue to lag behind those of the other two NECAP states in science proficiency.

QUESTION:

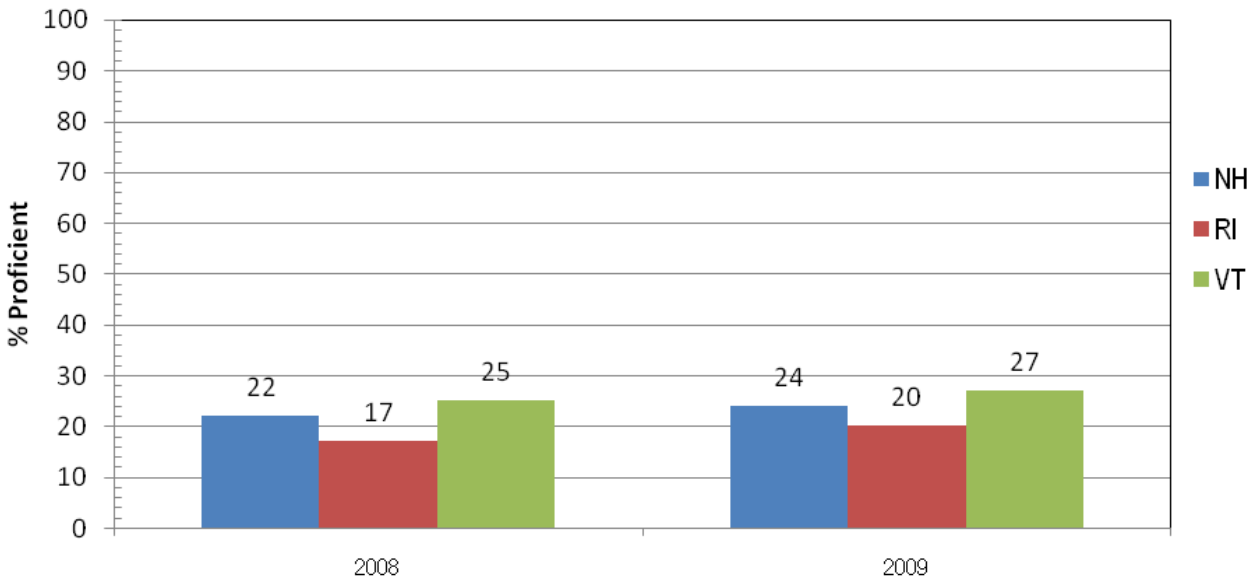
How are high school students in Rhode Island performing on the NECAP science compared to students in New Hampshire and Vermont?

SUPPORTING DATA:

Table 5. NECAP Science Assessment percent of high school students at or above proficient across states

Year	NH	RI	VT
2008	22	17	25
2009	24	20	27

Figure 3. High school science proficiency: NH vs. RI vs. VT



ANALYSIS:

- All three NECAP states experienced an increase in high school science achievement.
- Rhode Island experienced the largest gain in the percentage of students scoring at or above proficient in High School (3% vs. 2% gain for NH and VT)
- Rhode Island high schools continue to lag behind those of the other two NECAP states in science proficiency.

RI NECAP Science Results for Students in Grades 4, 8, and 11

QUESTION:

How did public school districts in RI perform on the NECAP science assessment compared to each other?

SUPPORTING DATA:

Table 6. Percent of Students At/Above Proficient by District: Grade 4 only

District	Gr. 4 % Prof '08	Gr. 4 % Prof '09	Gr. 4 Difference in % Prof
Newport	34.6	30.9	-3.7
Glocester	50.0	46.9	-3.1
Chariho	54.5	51.6	-2.9
Tiverton	49.3	47.3	-2.0
Learning Community	22.5	21.1	-1.4
Cranston	50.3	48.9	-1.4
Bristol Warren	46.6	45.4	-1.2
Westerly	48.3	47.2	-1.0
Johnston	45.0	44.5	-.5
Burrillville	39.8	39.8	.0
Central Falls	15.2	15.3	+.1
Coventry	46.2	46.7	+.5
Warwick	43.7	45.7	+2.0
Kingston Hill Academy	47.6	50.0	+2.4
Providence	9.5	12.0	+2.5
East Providence	35.7	38.7	+3.0
Pawtucket	17.1	20.6	+3.5
Rhode Island Grade 4 Average	36.4	40.3	+3.9
Scituate	52.9	57.0	+4.1
Cumberland	40.1	44.9	+4.8
Woonsocket	20.4	25.4	+5.0
Smithfield	58.9	64.0	+5.1
North Kingstown	56.8	62.3	+5.4
Barrington	70.2	76.3	+6.1
North Providence	31.5	37.9	+6.4
Foster	56.1	62.9	+6.7
North Smithfield	52.5	59.5	+7.1
Lincoln	51.6	59.0	+7.5
Narragansett	50.6	58.1	+7.5
West Warwick	25.5	34.2	+8.7
Portsmouth	51.8	60.7	+8.9
Middletown	38.6	47.9	+9.3
South Kingstown	52.1	61.8	+9.7
International Charter	10.2	22.4	+12.2
East Greenwich	58.0	70.5	+12.5
Exeter-West Greenwich	36.8	53.6	+16.9
Jamestown	42.2	67.9	+25.6

Key

- = Negative change from previous NECAP science results
- = Positive change from previous NECAP science results
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RI NECAP Science Results for Students in Grades 4, 8, and 11

Figure 4. Difference between 2008 and 2009 percent proficient in each district: *Grade 4*

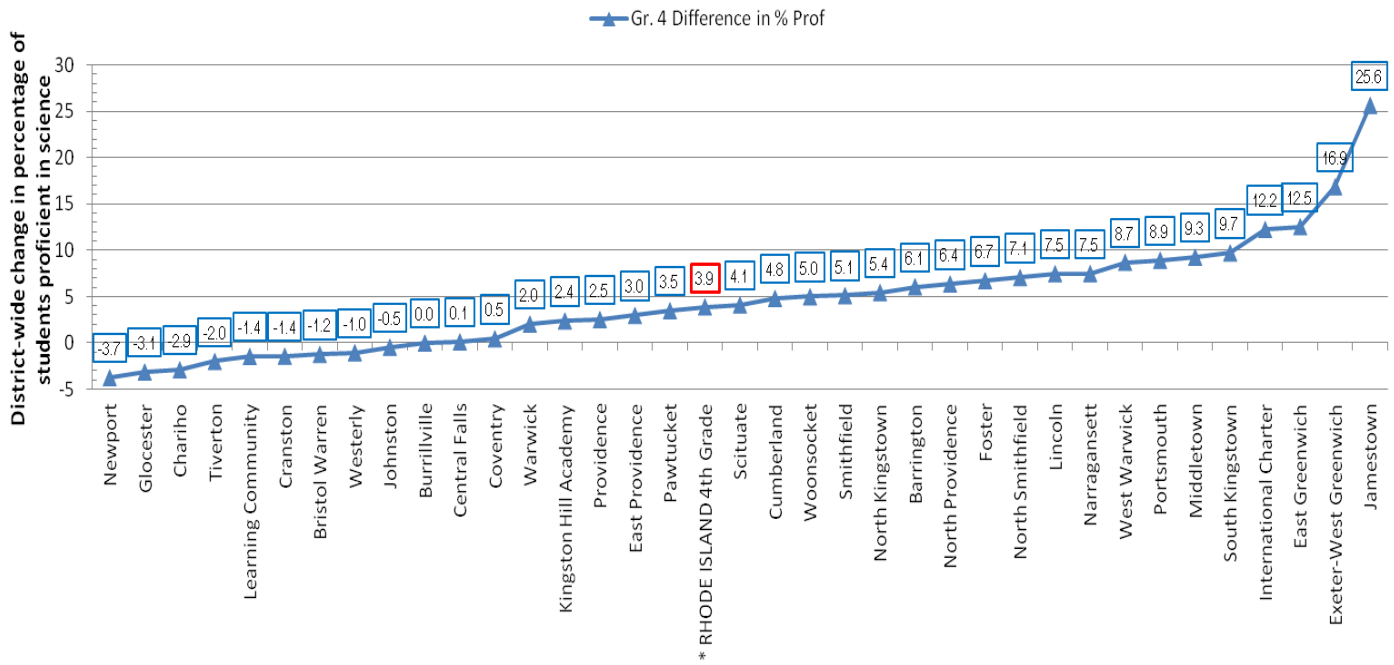


Table 7. Percent of Students At/Above Proficient by School: *Grade 4 only*

District	School	n tested '08	% prof '08	n tested '09	% prof '09	2008 to 2009 Difference in % prof
Cranston	Oak Lawn School	40	62.5	50	30.0	-32.5
Cranston	Stadium School	37	56.8	43	30.2	-26.5
Warwick	Norwood School	29	62.1	39	35.9	-26.2
Warwick	Warwick Neck School	41	56.1	33	30.3	-25.8
Cranston	Arlington School	23	43.5	20	25.0	-18.5
Coventry	Oak Haven School	49	40.8	40	22.5	-18.3
Westerly	Bradford Elementary School	27	81.5	22	63.6	-17.8
Warwick	Cottrell F. Hoxsie School	54	64.8	36	47.2	-17.6
Cranston	Chester W. Barrows School	33	78.8	31	61.3	-17.5
Coventry	Hopkins Hill School	64	39.1	46	21.7	-17.3
Johnston	Sarah Dyer Barnes School	51	60.8	46	43.5	-17.3
East Providence	Emma G. Whiteknact School	52	30.8	22	13.6	-17.1
Westerly	Springbrook Elementary School	37	51.4	54	35.2	-16.2
Cranston	George J. Peters School	63	58.7	35	42.9	-15.9
Smithfield	Old County Road School	41	61.0	35	45.7	-15.3
Newport	Coggeshall School	44	40.9	19	26.3	-14.6
Providence	Laurel Hill Avenue School	87	18.4	89	4.5	-13.9
Woonsocket	Globe Park School	69	47.8	53	34.0	-13.9
Newport	Cranston - Calvert School	43	39.5	42	26.2	-13.3

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Warwick	Lippitt School	37	32.4	31	19.4	-13.1
Johnston	Brown Avenue School	49	73.5	43	60.5	-13.0
Chariho	Hope Valley Elementary School	49	59.2	48	47.9	-11.3
East Providence	Alice M. Waddington School	91	54.9	50	44.0	-10.9
North Providence	Stephen Olney School	37	40.5	40	30.0	-10.5
Portsmouth	Elmhurst School	70	77.1	73	67.1	-10.0
Tiverton	Pocasset School	61	37.7	46	28.3	-9.4
Chariho	Ashaway Elementary School	49	51.0	52	42.3	-8.7
Cranston	Orchard Farms Elementary School	54	79.6	59	71.2	-8.4
Providence	William D'Abate Elementary School	73	13.7	74	5.4	-8.3
East Providence	Agnes B. Hennessey School	46	34.8	49	26.5	-8.3
Lincoln	Lonsdale Elementary School	47	53.2	33	45.5	-7.7
Providence	Lillian Feinstein Elementary	68	10.3	77	2.6	-7.7
Warwick	Harold F. Scott School	35	62.9	59	55.9	-6.9
Central Falls	Ella Risk School	84	17.9	71	11.3	-6.6
Newport	Dr. M. H. Sullivan School	45	11.1	20	5.0	-6.1
Bristol Warren	Hugh Cole School	84	36.9	81	30.9	-6.0
Coventry	Washington Oak School	88	44.3	93	38.7	-5.6
Cranston	Garden City School	48	50.0	36	44.4	-5.6
Warwick	Wyman School	46	52.2	45	46.7	-5.5
Pawtucket	Curvin-McCabe School	60	30.0	52	25.0	-5.0
Newport	Carey School	22	63.6	22	59.1	-4.5
Glocester	West Glocester Elementary	64	43.8	56	39.3	-4.5
Warwick	Oakland Beach Elementary School	57	26.3	41	22.0	-4.4
Pawtucket	Henry J. Winters School	59	13.6	54	9.3	-4.3
Providence	Pleasant View School	47	8.5	47	4.3	-4.3
Pawtucket	Flora S. Curtis Memorial School	31	19.4	33	15.2	-4.2
Warwick	E. G. Robertson School	31	48.4	45	44.4	-3.9
Warwick	Greenwood School	42	61.9	48	58.3	-3.6
Providence	Reservoir Avenue School	33	9.1	36	5.6	-3.5
Burrillville	Steere Farm Elementary School	86	32.6	93	29.0	-3.5
Pawtucket	Francis J. Varieur School	49	40.8	45	37.8	-3.0
Woonsocket	Kevin K. Coleman Ele. School	119	19.3	73	16.4	-2.9
Providence	Harry Kizirian Elementary School	70	10.0	66	7.6	-2.4
Providence	West Broadway Elementary School	67	4.5	43	2.3	-2.2
Providence	Charlotte Woods Elementary School	47	6.4	44	4.5	-1.8
North Providence	James L. McGuire School	33	42.4	32	40.6	-1.8
Westerly	Tower Street School	59	39.0	51	37.3	-1.7
Lincoln	Lincoln Central Elementary School	70	74.3	73	72.6	-1.7
North Providence	Whelan Elementary School	31	38.7	27	37.0	-1.7
Woonsocket	Leo A. Savoie School	61	31.1	44	29.5	-1.6
Chariho	Richmond Elementary School	95	58.9	101	57.4	-1.5
Learning Comm.	The Lng. Community Charter School	40	22.5	57	21.1	-1.4
Tiverton	Walter E. Ranger School	66	57.6	62	56.5	-1.1
Providence	Mary E. Fogarty Elementary School	68	2.9	55	1.8	-1.1
West Warwick	Maisie E. Quinn Elementary School	49	24.5	42	23.8	-.7
Central Falls	Veterans Memorial Elementary	99	12.1	78	11.5	-.6
Bristol Warren	Rockwell School	45	66.7	39	66.7	.0
Central Falls	Alan Shawn Feinstein School	44	4.5	21	4.8	+.2
Providence	Asa Messer Elementary School	75	4.0	68	4.4	+.4
Providence	Edmund W. Flynn Ele. School	98	3.1	53	3.8	+.7
Cumberland	Ashton School	69	34.8	53	35.8	+1.1
Providence	Windmill Street Elementary School	72	6.9	49	8.2	+1.2

RI NECAP Science Results for Students in Grades 4, 8, and 11

Glocester	Fogarty Memorial School	66	56.1	40	57.5	+1.4
Providence	Charles N. Fortes Academy	92	4.3	69	5.8	+1.4
Pawtucket	Elizabeth Baldwin School	94	16.0	109	17.4	+1.5
Warwick	Cedar Hill School	48	58.3	65	60.0	+1.7
Westerly	Dunn's Corners School	53	52.8	44	54.5	+1.7
Providence	Robert L Bailey IV, Ele. School	78	1.3	33	3.0	+1.7
Smithfield	William Winsor School	45	62.2	50	64.0	+1.8
Providence	Alan Shawn Feinstein Elementary	51	13.7	45	15.6	+1.8
Pawtucket	Potter-Burns School	83	18.1	79	20.3	+2.2
Cumberland	Community School	96	58.3	104	60.6	+2.2
Kingston Hill Acad.	Kingston Hill Academy	42	47.6	34	50.0	+2.4
Providence	Sgt Cornel Young, Jr. Ele. School	52	.0	36	2.8	+2.8
Johnston	Winsor Hill School	100	38.0	71	40.8	+2.8
Providence	Veazie Street School	88	10.2	76	13.2	+2.9
Scituate	North Scituate Elementary School	49	46.9	48	50.0	+3.1
North Kingstown	Quidnessett Elementary School	135	44.4	101	47.5	+3.1
Cranston	Eden Park School	46	43.5	45	46.7	+3.2
Scituate	Hope Elementary School	59	50.8	37	54.1	+3.2
Cranston	Glen Hills School	52	36.5	45	40.0	+3.5
East Providence	Myron J. Francis Elementary School	77	61.0	48	64.6	+3.5
Providence	Carl G. Lauro Elementary School	125	6.4	100	10.0	+3.6
Newport	William J. Underwood School	22	36.4	20	40.0	+3.6
Tiverton	Fort Barton School @ Nonquit	21	57.1	23	60.9	+3.7
Rhode Island Grade 4 Average		1104	36.4	9648	40.3	+3.9
North Kingstown	Hamilton Elementary School	185	66.5	180	70.6	+4.1
South Kingstown	Matunuck School	59	57.6	55	61.8	+4.2
Middletown	John F. Kennedy School	65	36.9	67	41.8	+4.9
Cranston	Edward S. Rhodes School	44	52.3	35	57.1	+4.9
Chariho	Charlestown Elementary School	71	47.9	72	52.8	+4.9
Cranston	Stone Hill School	40	60.0	43	65.1	+5.1
Smithfield	Anna M. McCabe School	61	45.9	49	51.0	+5.1
Cranston	Hope Highlands Elementary School	53	58.5	53	64.2	+5.7
East Greenwich	James H. Eldredge El. School	106	53.8	74	59.5	+5.7
Barrington	Hampden Meadows School	244	70.5	236	76.3	+5.8
Cumberland	Garvin Memorial School	60	38.3	68	44.1	+5.8
South Kingstown	Peace Dale Elementary School	102	51.0	81	56.8	+5.8
Burrillville	William L. Callahan School	80	47.5	73	53.4	+5.9
Cumberland	B.F. Norton Elementary School	50	12.0	55	18.2	+6.2
Cranston	Gladstone Street School	74	31.1	83	37.3	+6.3
Warwick	Park School	34	38.2	38	44.7	+6.5
Middletown	Aquidneck School	61	52.5	66	59.1	+6.6
Foster	Captain Isaac Paine Ele. School	57	56.1	35	62.9	+6.7
East Providence	Orlo Avenue School	49	10.2	41	17.1	+6.9
Portsmouth	Melville Elementary School	50	50.0	58	56.9	+6.9
Cumberland	Cumberland Hill School	96	41.7	90	48.9	+7.2
North Smithfield	Halliwell Memorial School	96	52.1	131	59.5	+7.5
Narragansett	Narragansett Elementary School	77	50.6	86	58.1	+7.5
Coventry	Blackrock School	66	34.8	73	42.5	+7.6
Scituate	Clayville Elementary School	47	61.7	36	69.4	+7.7
Central Falls	Margaret I. Robertson School	35	31.4	33	39.4	+8.0
South Kingstown	West Kingston Elementary School	55	56.4	59	64.4	+8.0
Pawtucket	Nathanael Greene School	75	14.7	78	23.1	+8.4
Pawtucket	Agnes E. Little School	62	9.7	43	18.6	+8.9

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Coventry	Tiogue School	68	61.8	48	70.8	+9.1
Lincoln	Northern Lincoln Elementary School	67	35.8	60	45.0	+9.2
Woonsocket	Harris School	79	12.7	64	21.9	+9.2
Warwick	Sherman School	61	26.2	45	35.6	+9.3
Warwick	Francis School	46	41.3	47	51.1	+9.8
Providence	Anthony Carnevale Ele. School	76	10.5	69	20.3	+9.8
West Warwick	Greenbush Elementary School	68	29.4	61	39.3	+9.9
Pawtucket	M. Virginia Cunningham School	63	11.1	57	21.1	+9.9
Cranston	Woodridge School	55	49.1	44	59.1	+10.0
Providence	Vartan Gregorian Elementary School	40	40.0	30	50.0	+10.0
Providence	George J. West Elementary School	118	5.9	94	16.0	+10.0
Johnston	Thornton School	79	26.6	51	37.3	+10.7
West Warwick	Wakefield Hills Elementary School	69	23.2	62	33.9	+10.7
North Providence	Greystone School	43	25.6	27	37.0	+11.5
West Warwick	John F. Horgan Elementary School	73	24.7	66	36.4	+11.7
International Charter	International Charter School	49	10.2	49	22.4	+12.2
Providence	Robert F. Kennedy Ele. School	80	28.8	78	41.0	+12.3
Pawtucket	Fallon Memorial School	80	8.8	76	21.1	+12.3
Warwick	Holliman School	38	44.7	42	57.1	+12.4
Cranston	William R. Dutemple School	43	27.9	43	41.9	+14.0
Providence	Webster Avenue School	52	9.6	25	24.0	+14.4
North Providence	Marieville Elementary School	41	22.0	33	36.4	+14.4
Cranston	Edgewood Highland School	40	35.0	24	50.0	+15.0
Woonsocket	Citizens Memorial School	116	6.9	105	21.9	+15.0
Bristol Warren	Guiteras School	46	39.1	42	54.8	+15.6
Providence	Martin Luther King, Jr. Ele. School	61	26.2	45	42.2	+16.0
Exeter-W.Greenwich	Metcalf School	135	37.0	138	53.6	+16.6
Warwick	John Wickes School	50	26.0	44	43.2	+17.2
Middletown	Forest Avenue School	50	24.0	57	42.1	+18.1
Warwick	John Greene School	36	33.3	31	51.6	+18.3
Woonsocket	Bernon Heights School	64	18.8	51	37.3	+18.5
East Greenwich	George Hanaford School	94	62.8	72	81.9	+19.2
Cranston	Daniel D. Waterman School	34	41.2	33	60.6	+19.4
Warwick	Randall Holden School	42	33.3	26	53.8	+20.5
Westerly	State Street School	57	36.8	47	57.4	+20.6
Lincoln	Saylesville Elementary School	74	43.2	61	63.9	+20.7
Providence	Alfred Lima, Sr. Elementary School	74	1.4	27	22.2	+20.9
South Kingstown	Wakefield Elementary School	46	45.7	51	66.7	+21.0
East Providence	Kent Heights School	52	36.5	45	57.8	+21.2
East Providence	James R. D. Oldham School	47	4.3	49	26.5	+22.3
North Providence	Centredale School	36	25.0	31	48.4	+23.4
Smithfield	Raymond C. LaPerche School	49	71.4	41	95.1	+23.7
Coventry	Western Coventry School	78	53.8	64	78.1	+24.3
Jamestown	Jamestown School-Melrose	45	42.2	56	67.9	+25.6
Portsmouth	Howard Hathaway School	75	29.3	65	56.9	+27.6
East Providence	Silver Spring School	38	21.1	24	50.0	+28.9

Key

- = Significantly worse than previous NECAP science results
- = Significantly better than previous NECAP science results
- = No significant change from previous NECAP science results

RI NECAP Science Results for Students in Grades 4, 8, and 11

Table 8. Percent of Students At/Above Proficient by District: Grade 8 only

District	Gr. 8 % Prof '08	Gr. 8 % Prof '09	Gr. 8 Difference in % Prof
Johnston	24.3	9.3	-14.9
Burrillville	29.9	16.1	-13.8
Smithfield	44.1	31.2	-12.9
The Compass School	53.6	43.8	-9.8
Middletown	34.5	26.0	-8.4
Scituate	39.2	32.4	-6.7
South Kingstown	43.9	37.5	-6.4
Highlander	12.2	6.0	-6.2
Tiverton	16.5	10.8	-5.7
West Warwick	13.0	7.9	-5.1
Cumberland	21.1	16.5	-4.6
Coventry	31.1	26.7	-4.4
North Providence	11.2	7.6	-3.6
Lincoln	24.7	21.9	-2.8
Foster-Glocester	18.8	16.1	-2.7
North Kingstown	30.0	28.0	-2.0
Rhode Island Grade 8 Average	18.7	17.6	-1.2
Paul Cuffee Charter Sch	20.9	20.2	-.7
Barrington	64.2	63.6	-.6
Pawtucket	7.1	6.6	-.5
Bristol Warren	19.1	18.8	-.4
Central Falls	1.5	1.1	-.4
Cranston	17.4	17.4	.0
Westerly	25.7	25.8	+.1
Jamestown	29.8	30.9	+1.1
Portsmouth	30.1	31.2	+1.1
Urban Collaborative	.0	1.4	+1.4
Warwick	15.8	17.3	+1.5
Providence	1.3	2.9	+1.6
East Providence	10.8	13.6	+2.8
Chariho	30.6	33.5	+2.9
Narragansett	29.6	32.6	+2.9
Woonsocket	2.6	5.7	+3.2
Exeter-West Greenwich	29.2	33.8	+4.6
East Greenwich	43.5	48.9	+5.4
Newport	12.4	18.9	+6.5
North Smithfield	13.5	21.1	+7.6
Little Compton	34.7	48.1	+13.3

Key
■ = Negative change from previous NECAP science results
■ = Positive change from previous NECAP science results
■ = No change or <1% change from previous NECAP science results

Figure 5. Difference between 2008 and 2009 percent proficient in each district: *Grade 8*

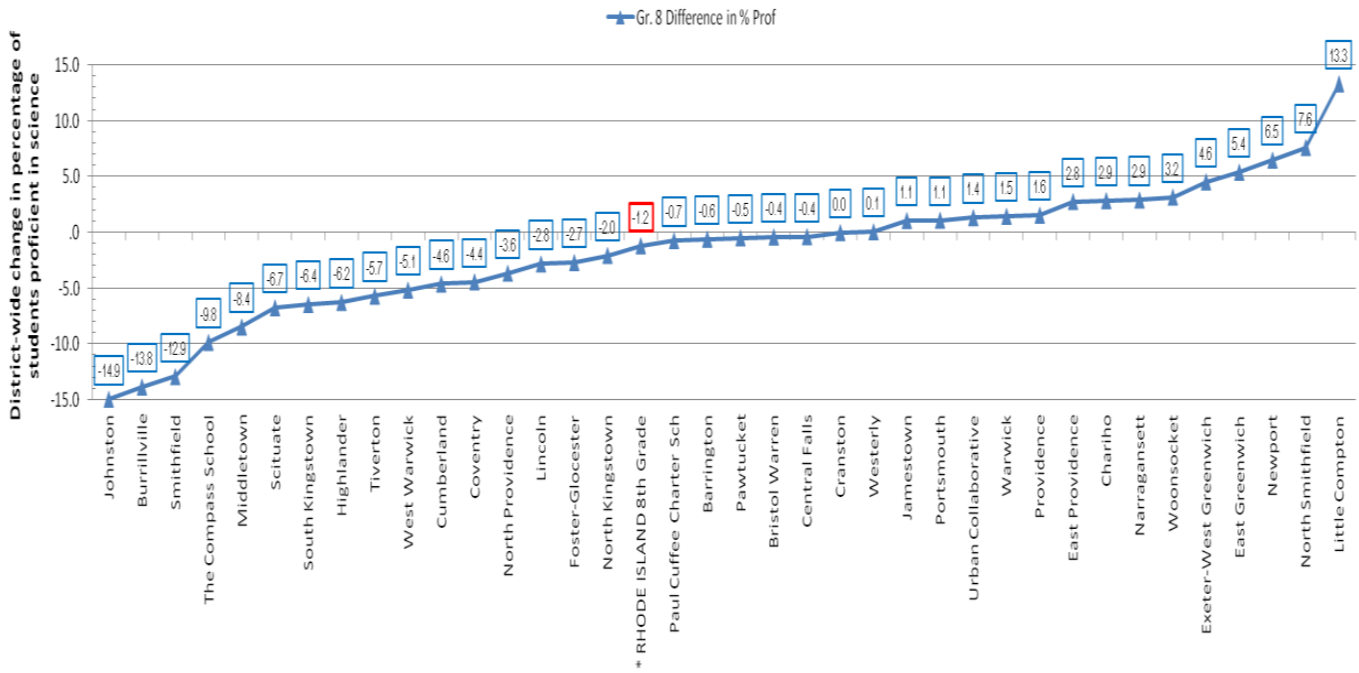


Table 9. Percent of Students At/Above Proficient by School: *Grade 8 only*

District	School	n tested '08	% prof '08	n tested '09	% prof '09	2008 to '09 Difference in % prof
Johnston	Nicholas A. Ferri Middle School	267	24.7	289	9.3	-15.4
Burrillville	Burrillville Middle School	212	30.2	174	16.1	-14.1
South Kingstown	Broad Rock Middle School	145	44.1	142	31.0	-13.2
Smithfield	Vincent J. Gallagher Middle School	227	44.1	199	31.2	-12.9
The Compass School	The Compass School	28	53.6	32	43.8	-9.8
Middletown	Joseph H. Gaudet School	176	34.7	196	26.0	-8.6
Cumberland	North Cumberland Middle School	215	28.4	232	19.8	-8.5
Scituate	Scituate Middle School	143	39.2	148	32.4	-6.7
North Kingstown	Wickford Middle School	163	31.9	162	25.3	-6.6
Highlander	Highlander Charter School	49	12.2	50	6.0	-6.2
Tiverton	Tiverton Middle School	158	16.5	167	10.8	-5.7
North Providence	Birchwood Middle School	139	14.4	133	9.0	-5.4
Cranston	Western Hills Middle School	363	25.9	373	20.6	-5.3
West Warwick	John F. Deering Middle School	292	13.0	254	7.9	-5.1
Coventry	Alan Shawn Feinstein Middle School	469	31.1	434	26.7	-4.4
Lincoln	Lincoln Middle School	292	24.7	270	21.9	-2.8
Foster-Glocester	Ponaganset Middle School	224	18.8	199	16.1	-2.7
Pawtucket	Goff Junior High School	228	11.4	232	9.1	-2.4
Pawtucket	Samuel Slater Junior High School	283	7.8	273	5.9	-1.9

RI NECAP Science Results for Students in Grades 4, 8, and 11

North Providence	Dr. Edward A. Ricci Middle School	137	8.0	130	6.2	-1.9
Cumberland	Joseph L. McCourt Middle School	221	14.0	186	12.4	-1.7
Rhode Island Grade 8 Average		11890	18.4	11246	17.6	-1.2
Cranston	Park View Middle School	294	16.7	256	15.6	-1.0
South Kingstown	Curtis Corner Middle School	170	44.7	141	44.0	-.7
Paul Cuffee Chrt Sch	Paul Cuffee Charter School	86	20.9	94	20.2	-.7
Bristol Warren	Kickemuit Middle School	279	19.4	261	18.8	-.6
Barrington	Barrington Middle School	299	64.2	264	63.6	-.6
Providence	Esek Hopkins Middle School	186	1.1	158	.6	-.4
Central Falls	Dr. Earl F. Calcutt Middle School	268	1.5	273	1.1	-.4
Providence	Gilbert Stuart Middle School	254	.8	225	.4	-.3
Providence	Oliver Hazard Perry Middle School	256	.8	216	.5	-.3
Providence	Roger Williams Middle School	291	.0	237	.0	.0
Westerly	Westerly Middle School	276	25.7	279	25.8	+.1
East Providence	Riverside Middle School	178	13.5	153	13.7	+.2
Warwick	Gorton Junior High School	270	13.3	274	13.9	+.5
Portsmouth	Portsmouth Middle School	254	30.3	218	31.2	+.9
Providence	Samuel W. Bridgham Middle School	205	.0	213	.9	+.9
Jamestown	Jamestown School-Lawn	57	29.8	55	30.9	+1.1
Urban Collaborative	Urban Collaborative Accel. Prog.	56	.0	74	1.4	+1.4
North Kingstown	Davisville Middle School	185	28.6	192	30.2	+1.6
Warwick	Winman Junior High School	304	22.0	272	24.3	+2.2
Warwick	Aldrich Junior High School	295	11.9	322	14.3	+2.4
Pawtucket	Joseph Jenks Junior High School	236	2.1	193	4.7	+2.5
Narragansett	Narragansett Pier School	134	29.9	129	32.6	+2.7
Chariho	Chariho Regional Middle School	291	30.6	266	33.5	+2.9
Providence	Springfield Middle School I	216	.9	173	4.0	+3.1
Woonsocket	Woonsocket Middle School	423	2.6	418	5.7	+3.1
East Providence	Edward R. Martin Middle School	284	9.5	266	13.5	+4.0
Exeter-W. Greenwich	Exeter-W. Greenwich Reg. Jr. High	161	29.2	160	33.8	+4.6
East Greenwich	Archie R. Cole Middle School	214	43.9	188	48.9	+5.0
Providence	Nathanael Greene Middle School	327	4.6	306	10.5	+5.9
Newport	Frank E. Thompson Middle School	168	12.5	175	18.9	+6.4
Cranston	Hugh B. Bain Middle School	244	5.7	215	14.0	+8.2
North Smithfield	North Smithfield Middle School	148	13.5	161	21.1	+7.6
Little Compton	Wilbur & McMahon Schools	72	34.7	77	48.1	+13.3

Key

- = Significantly worse than previous NECAP science results
- = Significantly better than previous NECAP science results
- = No significant change from previous NECAP science results

RI NECAP Science Results for Students in Grades 4, 8, and 11

Table 10. Percent of Students At/Above Proficient by District: Grade 11 only

District	Gr. 11 % Prof '08	Gr. 11 % Prof '09	Gr. 11 Difference in % Prof
Newport	15.4	9.4	-6.0
Johnston	16.0	11.2	-4.8
Tiverton	30.5	25.8	-4.7
Westerly	21.6	18.2	-3.3
New Shoreham	48.3	45.5	-2.8
West Warwick	14.9	12.4	-2.5
Exeter-West Greenwich	25.6	23.2	-2.4
Central Falls	4.2	2.7	-1.5
Coventry	14.8	14.9	+1
North Kingstown	26.0	26.2	+1
North Providence	9.6	9.8	+2
Barrington	55.5	55.7	+2
Providence	5.1	5.4	+3
Cranston	13.8	15.5	+1.7
Pawtucket	9.4	11.1	+1.7
Warwick	13.7	16.5	+2.8
Rhode Island Grade 11 Average	16.4	19.4	+3.0
North Smithfield	20.3	23.9	+3.5
Smithfield	28.6	32.2	+3.6
Lincoln	25.7	29.5	+3.8
MET Career & Tech	2.6	7.0	+4.4
Chariho	20.9	25.9	+5.0
Portsmouth	36.6	42.6	+5.9
Woonsocket	4.9	11.1	+6.2
East Providence	8.2	14.8	+6.6
South Kingstown	35.7	43.9	+8.3
Bristol Warren	19.0	27.3	+8.3
Beacon Charter School	4.8	13.7	+9.0
Davies Career & Tech	3.2	12.9	+9.7
Cumberland	18.8	29.3	+10.6
Burrillville	8.7	19.6	+10.9
Scituate	16.8	27.9	+11.1
East Greenwich	38.4	50.0	+11.6
Blackstone Academy	2.7	16.3	+13.6
Foster-Glocester	14.2	28.8	+14.6
Narragansett	27.0	46.4	+19.5
Middletown	15.7	39.2	+23.5

Key
■ = Negative change from previous NECAP science results
■ = Positive change from previous NECAP science results
□ = No change or <1% change from previous NECAP science results

RI NECAP Science Results for Students in Grades 4, 8, and 11

Figure 6. Difference between 2008 and 2009 percent proficient in each district: *Grade 11*

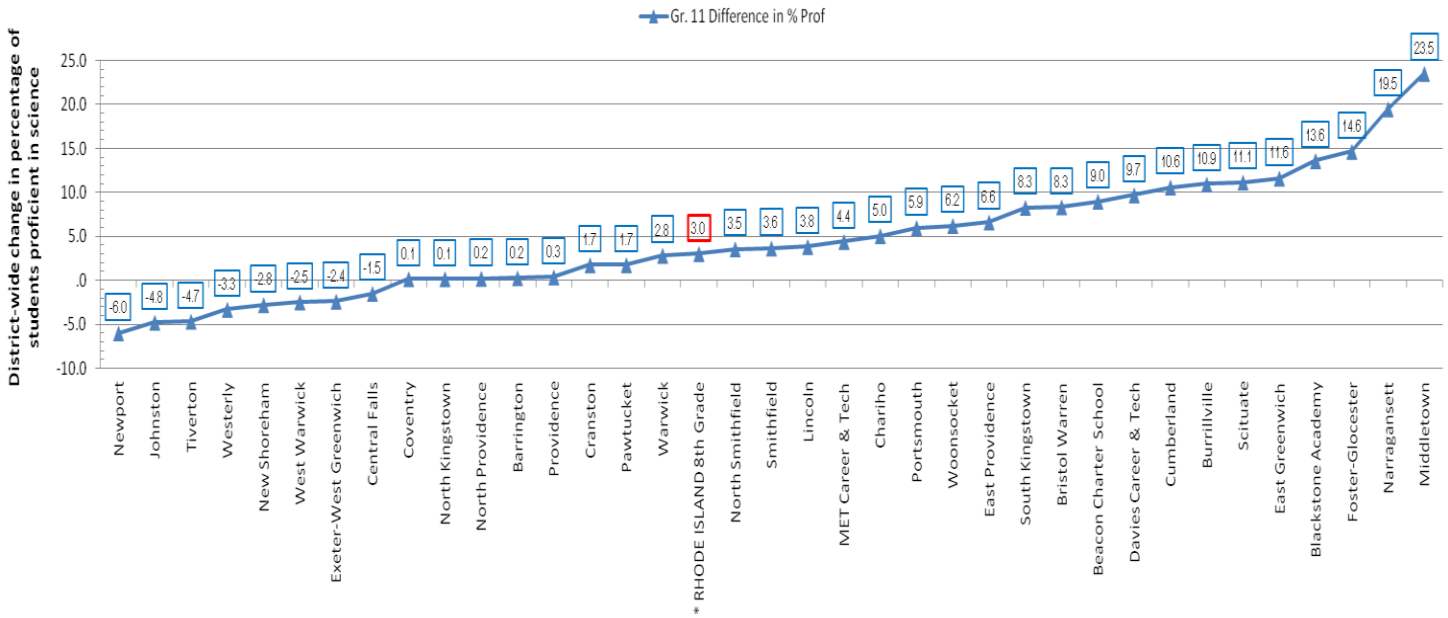


Table 11. Percent of Students At/Above Proficient by School: *Grade 11 only*

District	School	n tested '08	% prof '08	n tested '09	% prof '09	2008 to '09 diff. in % prof
Newport	Rogers High School	121	15.7	117	9.4	-6.3
Chariho	The R.Y.S.E. School	17	5.9	13	.0	-5.9
Johnston	Johnston Senior High School	180	16.1	143	11.2	-4.9
Tiverton	Tiverton High School	154	30.5	155	25.8	-4.7
Warwick	Warwick Veterans Memorial HS	249	15.3	272	11.4	-3.9
Westerly	Westerly High School	268	21.6	225	18.2	-3.4
New Shoreham	Block Island School	29	48.3	22	45.5	-2.8
West Warwick	West Warwick Senior High School	221	14.9	275	12.4	-2.6
Exeter-West Greenwich	Exeter-West Greenwich Regional High School	164	25.6	138	23.2	-2.4
Providence	Adelaide High School	72	2.8	160	.6	-2.2
Pawtucket	William E Tolman Senior High School	255	12.9	210	11.0	-2.0
Providence	Central High School	246	1.6	213	.0	-1.6
Central Falls	Central Falls Senior High School	164	4.3	186	2.7	-1.6
Providence	E-Cubed Academy	65	1.5	65	.0	-1.5
Providence	Hope Information Technology School	81	2.5	84	1.2	-1.3
Cranston	Cranston High School West (PF)	439	21.6	418	21.3	-.3
North Kingstown	North Kingstown Senior High School	383	26.4	382	26.2	-.2
Providence	Textron Chamber of Commerce Academy	58	.0	45	.0	.0

RI NECAP Science Results for Students in Grades 4, 8, and 11

Providence	Feinstein High School	73	.0	72	.0	.0
Providence	Providence Academy of International Studies	86	.0	67	.0	.0
Providence	Hope Arts School	71	.0	68	.0	.0
Barrington	Barrington High School	282	55.7	271	55.7	.0
North Providence	North Providence High School	279	9.7	276	9.8	+1
Coventry	Coventry High School	426	14.8	429	14.9	+1
Providence	Hope Leadership School	100	1.0	82	1.2	+2
Providence	Mount Pleasant High School	212	.0	184	.5	+5
Providence	William B. Cooley/Health & Science Tech. Acad.	83	.0	76	1.3	+1.3
Providence	Classical High School	262	19.5	265	21.1	+1.7
Cranston	NE Laborers' Career Academy	48	.0	48	2.1	+2.1
Providence	Times2 Academy	152	12.5	144	15.3	+2.8
Rhode Island Grade 11 Average		10464	16.4	10293	19.4	+3.0
Smithfield	Smithfield Senior High School	223	28.7	205	32.2	+3.5
North Smithfield	North Smithfield High School	290	20.3	134	23.9	+3.5
Lincoln	Lincoln Senior High School (PF)	263	25.9	224	29.5	+3.6
MET Career & Tech	Metropolitan Regional Career & Technical Center	154	2.6	187	7.0	+4.4
Cranston	Cranston High School East	353	5.9	359	10.6	+4.6
Chariho	Chariho Regional High School	284	21.8	238	27.3	+5.5
Pawtucket	Shea Senior High School	194	4.6	187	10.2	+5.5
Warwick	Toll Gate High School	281	14.6	266	20.3	+5.7
Portsmouth	Portsmouth High School (PF)	224	36.6	235	42.6	+5.9
Warwick	Pilgrim High School	303	11.9	258	17.8	+5.9
Woonsocket	Woonsocket High School (PF)	359	5.0	341	11.1	+6.1
East Providence	East Providence High School (PF)	434	8.3	420	14.8	+6.5
South Kingstown	South Kingstown High School	297	36.0	296	43.9	+7.9
Bristol Warren	Mt. Hope High School	246	19.1	231	27.3	+8.2
Beacon Charter School	BEACON Charter School	21	4.8	51	13.7	+9.0
Davies Career & Tech	Wm. M. Davies Jr. Career-Technical High School	156	3.2	171	12.9	+9.7
Cumberland	Cumberland High School	336	18.8	341	29.3	+10.6
Burrillville	Burrillville High School	184	8.7	209	19.6	+10.9
Scituate	Scituate High School	119	16.8	136	27.9	+11.1
East Greenwich	East Greenwich High School	176	38.1	186	50.0	+11.9
Blackstone Academy	Blackstone Academy Charter School	37	2.7	43	16.3	+13.6
Foster-Glocester	Ponaganset High School	219	14.2	198	28.8	+14.6
Narragansett	Narragansett High School	115	27.0	112	46.4	+19.5
Middletown	Middletown High School	139	15.8	130	39.2	+23.4

Key

- = Negative change from previous NECAP science results
- = Positive change from previous NECAP science results
- = No significant change from previous NECAP science results

RI NECAP Science Results for Students in Grades 4, 8, and 11

QUESTION:

How did various student subgroups perform on the NECAP science assessment?

SUPPORTING DATA:

Table 12. Percent of students at or above proficient by subgroup on the NECAP Science assessment.

Groups	Elementary			Middle			High		
	2008	2009	<i>Diff.</i>	2008	2009	<i>Diff.</i>	2008	2009	<i>Diff.</i>
State Average	36.4	40.3	+3.9	18.7	17.6	-1.1	16.4	19.4	+3.0
Males	35.5	39.5	+4.0	19.7	18.7	-1.0	17.1	20.1	+3.0
Females	37.4	41.1	+3.7	17.8	16.3	-1.5	15.8	18.8	+3.0
IEP	17.9	16.1	-1.8	4.3	3.6	-0.7	2.7	2.9	+0.2
Non-IEP	40.2	44.8	+4.6	21.9	20.5	-1.4	18.9	22.0	+3.1
LEP	5.2	5.7	+0.5	1.4	0.0	-1.4	0.4	0.4	0.0
LEP Mon	17.5	19.2	+1.7	1.4	2.6	+1.2	0.0	1.2	+1.2
Non-LEP	39.1	42.8	+3.7	19.6	18.3	-1.3	17.0	20.0	+3.0
Econ Disadv.	18.2	18.8	+0.6	5.4	5.6	+0.2	4.6	6.3	+1.7
Non-Econ Disadv.	49.9	56.3	+6.4	27.0	25.5	-1.5	20.8	25.3	+4.5
Title I	12.0	20.3	+8.3	1.8	5.2	+3.4	10.0	7.9	-2.1
Non-Title I	36.5	53.3	+16.8	18.8	21.9	+3.1	16.4	22.6	+6.2
Minority (AI/AN, B, H)	14.1	15.8	+1.7	3.1	3.3	+0.2	3.2	4.6	+1.4
Others (W, A)	45.6	49.7	+4.1	24.5	22.9	-1.6	20.4	24.2	+3.8

Key

- AI/AN, B, H = American Indian/Alaskan Native, Black, Hispanic
- W, A = White, Asian
- = Negative change from previous NECAP science results
- = Positive change from previous NECAP science results
- = No change or <1% change from previous NECAP science results

RI NECAP Science Results for Students in Grades 4, 8, and 11

Table 13. Percent of students at or above proficient by race/ethnicity on the NECAP Science assessment.

Groups	Grade 4			Grade 8			Grade 11		
	2008	2009	<i>Diff.</i>	2008	2009	<i>Diff.</i>	2008	2009	<i>Diff.</i>
<i>All Students</i>	36.4	40.3	+3.9	18.7	17.6	-1.1	16.4	19.4	+3.0
AI/AK Nat.	22.1	20.3	-1.8	8.1	4.3	-3.8	11.5	10.5	-1.0
Asian	36.3	37.3	+1.0	18.3	18.7	+0.4	22.1	21.3	-0.8
Black	16.4	17.3	+0.9	4.4	3.7	-0.7	2.6	4.4	+1.8
Hispanic	12.9	14.8	+1.9	2.3	3.0	+0.7	3.1	4.5	+1.4
White	46.2	50.3	+4.1	24.9	23.0	-1.9	20.5	24.4	+3.9

Key

- = Negative change from previous NECAP science results
- = Positive change from previous NECAP science results
- = No change or <1% change from previous NECAP science results

RI NECAP Science Results for Students in Grades 4, 8, and 11

QUESTION:

How did public school students who attend schools in urban, urban ring, and suburban areas of Rhode Island perform on the NECAP science assessment?

SUPPORTING DATA:

Table 14. Percent of students at each performance level by level of urbanicity

School Level	Group	% SBP '08	% BP '08	% P '08	% PwD '08	% P+PwD '08	% SBP '09	% BP '09	% P '09	% PwD '09	% P+PwD '09	Difference between '08 and '09
ALL	Urban	56.5	36.1	7.2	.2	7.4	55.3	35.8	8.8	.1	8.9	+1.5
ALL	Urban Ring	30.1	46.9	22.5	.5	23.0	29.7	47.5	22.6	.2	22.9	-0.2
ALL	Suburban	20.9	45.0	32.8	1.3	34.0	19.0	45.2	34.9	.9	35.8	+1.7
ELEM	Urban	43.4	43.4	12.8	.3	13.2	39.7	44.0	16.3	.1	16.4	+3.2
ELEM	Urban Ring	14.3	44.4	40.3	1.0	41.3	15.1	41.8	42.9	.2	43.1	+1.8
ELEM	Suburban	11.5	39.1	47.5	1.9	49.4	10.4	36.3	52.8	.6	53.3	+4.0
MID	Urban	68.2	28.8	3.0	.0	3.0	66.6	29.4	4.0	.0	4.0	+1.0
MID	Urban Ring	33.6	51.0	15.3	.2	15.4	34.3	51.2	14.3	.2	14.5	-0.9
MID	Suburban	22.1	47.5	29.5	.9	30.4	22.2	50.3	26.7	.8	27.5	-2.9
HIGH	Urban	58.5	36.0	5.3	.2	5.5	58.8	34.7	6.3	.2	6.5	+1.0
HIGH	Urban Ring	42.4	44.8	12.4	.4	12.8	37.3	48.4	13.9	.3	14.2	+1.4
HIGH	Suburban	28.3	48.0	22.6	1.1	23.7	23.2	48.1	27.5	1.1	28.7	+5.0

Key

SBP = *Significantly Below Proficient*

BP = *Below Proficient*

P = *Proficient*

PwD = *Proficient with Distinction*

■ = Negative change from previous NECAP science results

■ = Positive change from previous NECAP science results

□ = No change or <1% change from previous NECAP science results

Figure 8. Difference between 2008 and 2009 percent proficient by level of urbanicity: *Grade 4*

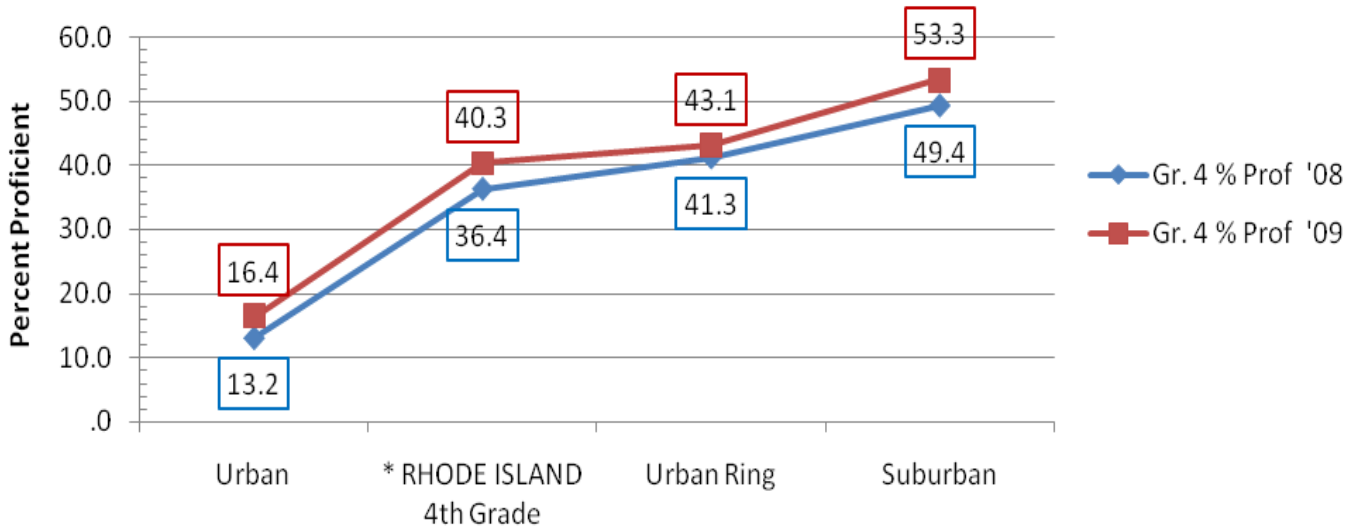


Figure 9. Difference between 2008 and 2009 percent proficient by level of urbanicity: *Grade 8*

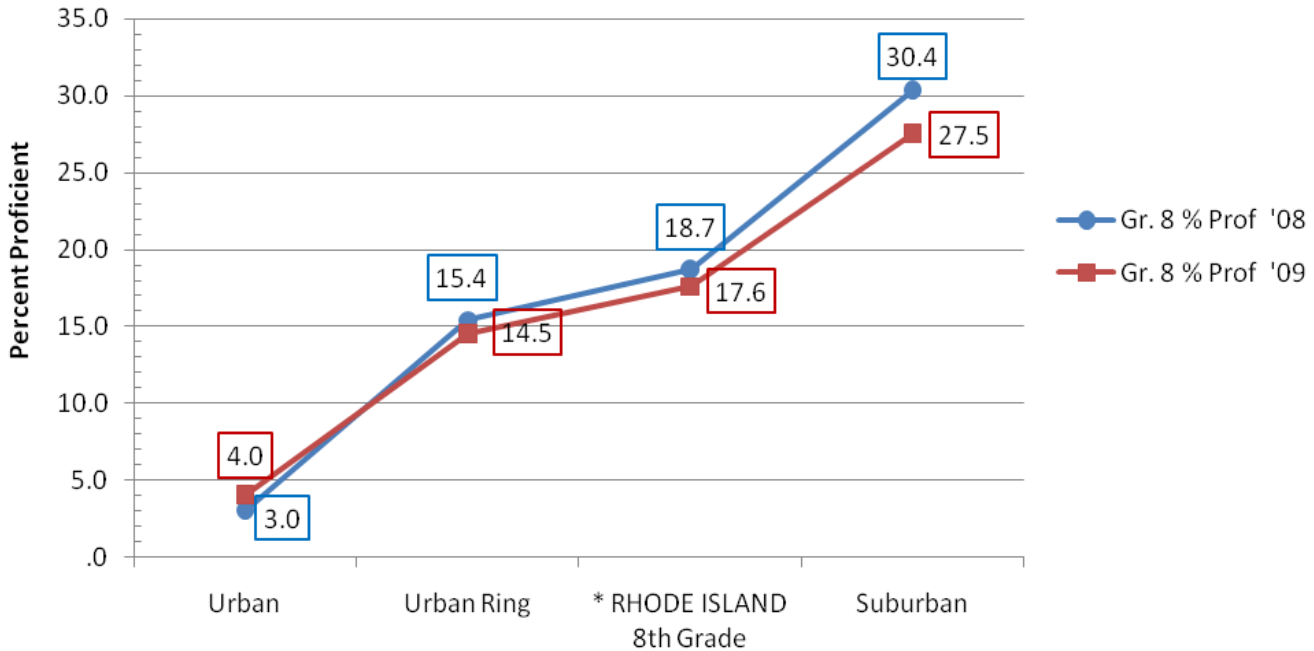


Figure 10. Difference between 2008 and 2009 percent proficient by level of urbanicity: *Grade 11*

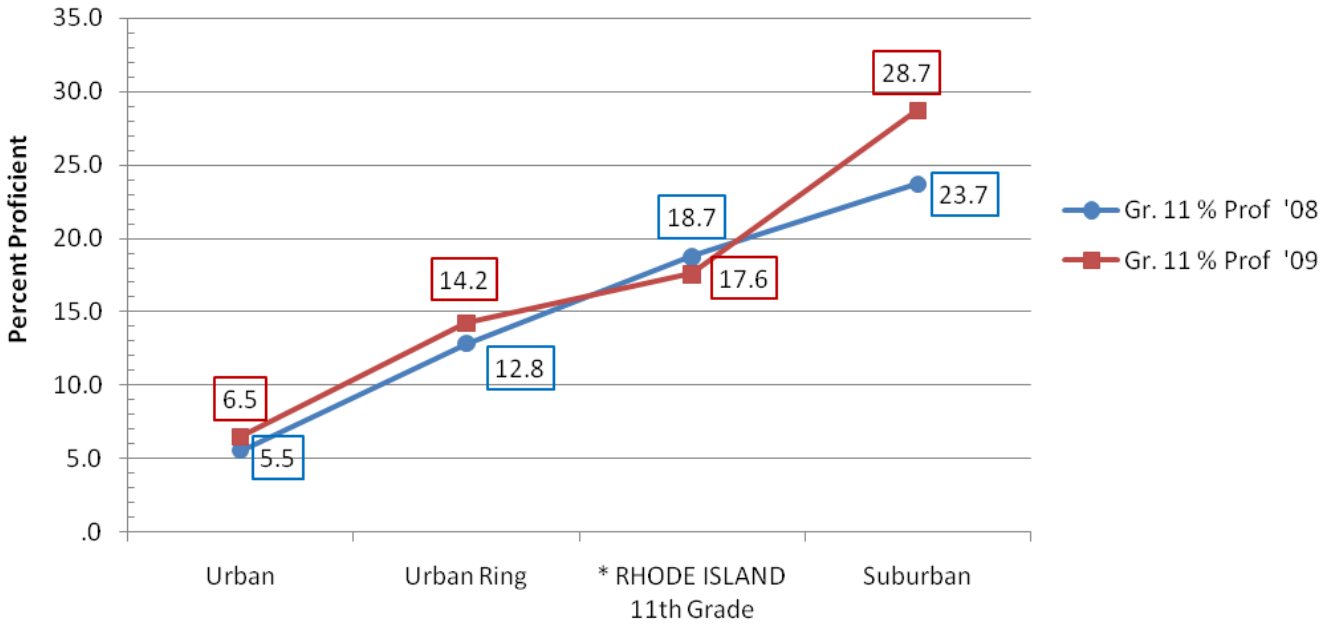


Figure 11. Difference between 2008 and 2009 percent proficient by level of urbanicity: *All Grades*

