

SB

27

<TARGET><BILL>SB 27</BILL><SUBJECT>SB
27</SUBJECT><COMM>SEDC30</COMM></TARGET>

ALASKA STATE LEGISLATURE

600 East Railroad Ave., Ste 1
Wasilla, Alaska 99654
(907) 376-3370
Fax (907) 376-3157



State Capitol
Juneau, Alaska 99801
(907) 465-6600
Fax (907) 465-3805

Mike Dunleavy
Senator

MEMORANDUM

TO: Senator Shelley Hughes, Chair
Senate Education Committee

FROM: Senator Mike Dunleavy

A handwritten signature in blue ink, appearing to read "Mike Dunleavy".

DATE: January 31, 2017

RE: SB 27 – Task Force on Reading Proficiency

I respectfully request a hearing before the Senate Education Committee on Senate Bill 27 – Task Force on Reading Proficiency.

This task force will bring experts together from around the state to analyze data and prepare a path forward to improve reading proficiency for all Alaskan students. The task force will be comprised of fifteen members, including legislators, the Commissioner of Education, and representatives from all levels of Alaska's education system. The goal of the "Task Force on Reading Proficiency and Reading Instruction for All Students" is to make recommendations regarding reading practices for students across the state.

Thank you for your consideration and attention to this request.

ALASKA STATE LEGISLATURE

600 East Railroad Ave., Ste 1
Wasilla, Alaska 99654
(907) 376-3370
Fax (907) 376-3157



State Capitol
Juneau, Alaska 99801
(907) 465-6600
Fax (907) 465-3805

Mike Dunleavy
Senator

Sponsor Statement **Senate Bill 27**

“Task Force on Reading Proficiency and Reading Instruction for All Students”

Senate Bill 27 creates a task force to carefully examine the effects of dyslexia on reading proficiency in Alaska. It is essential that our students have a solid foundation of reading skills to prepare them for academic studies and successful futures.

Despite past efforts to improve reading proficiency, many children are still falling through the cracks. Approximately 47,000 students in Alaska did not meet state standards in 2015, and reading proficiency scores have been stagnant for more than a decade, according to data from the National Assessment of Education Progress.

This task force will bring experts together from around the state to analyze data and prepare a path forward to improve reading proficiency for all Alaskan students. The task force will be comprised of fifteen members, including legislators, the Commissioner of Education, and representatives from all levels of Alaska’s education system. The goal of the “Task Force on Reading Proficiency and Reading Instruction for All Students” is to make recommendations regarding reading practices for students across the state.

It is my hope that this task force will create a collaborative initiative to raise dyslexia awareness and to inform policy-makers on best practices in order to improve reading proficiency throughout all of Alaska.

I request your support for Senate Bill 27.

National Center for Education Statistics (NCES)

Institute of Education Sciences (IES)

National Assessment of Educational Progress (NAEP)

This report was generated using the NAEP Data Explorer. <http://nces.ed.gov/nationsreportcard/naepdata/> <http://nces.ed.gov/nationsreportcard/naepdata/>

Report 1: Table

Percentages at each achievement level for reading, grade 8 by all students [TOTAL], year and jurisdiction: 2015, 2013, 2011, 2009, 2007, 2005, and 2003

Year	Jurisdiction	All students							
		below Basic	Standard Error	at Basic	Standard Error	at Proficient	Standard Error	at Advanced	Standard Error
2015	Alaska	29	(1.4)	39	(1.7)	29	(1.4)	3	(0.4)
2013	Alaska	29	(1.1)	40	(1.4)	28	(1.1)	3	(0.5)
2011	Alaska	27	(1.1)	42	(1.3)	28	(1.1)	3	(0.3)
2009	Alaska	28	(1.2)	45	(1.3)	25	(1.3)	2	(0.3)
2007	Alaska	29	(1.2)	44	(1.3)	25	(1.0)	2	(0.4)
2005	Alaska	30	(1.3)	44	(1.8)	25	(1.3)	2	(0.3)
2003	Alaska	33	(1.2)	40	(1.3)	24	(1.5)	3	(0.5)

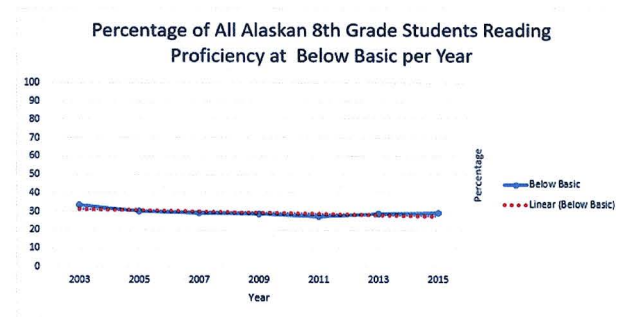
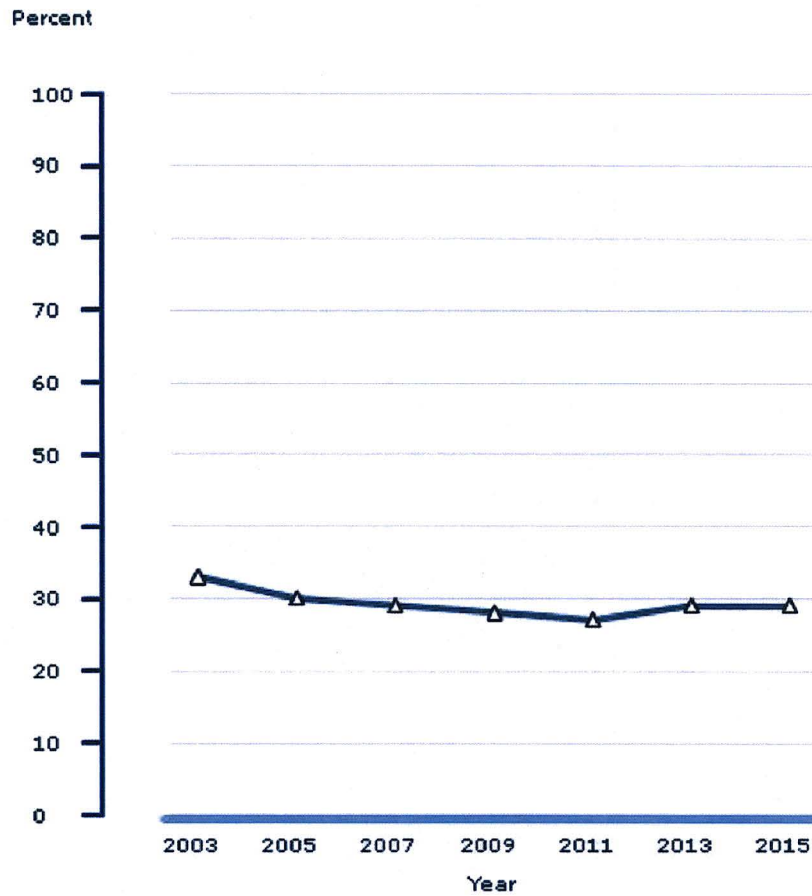
NOTE: Detail may not sum to totals because of rounding. Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 1

Percentages at each achievement level for reading, grade 8 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015

Alaska, below Basic



△ All students

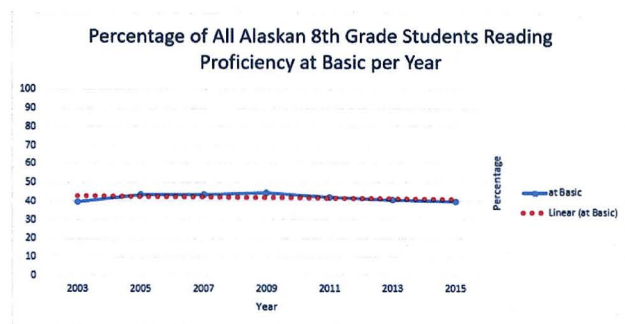
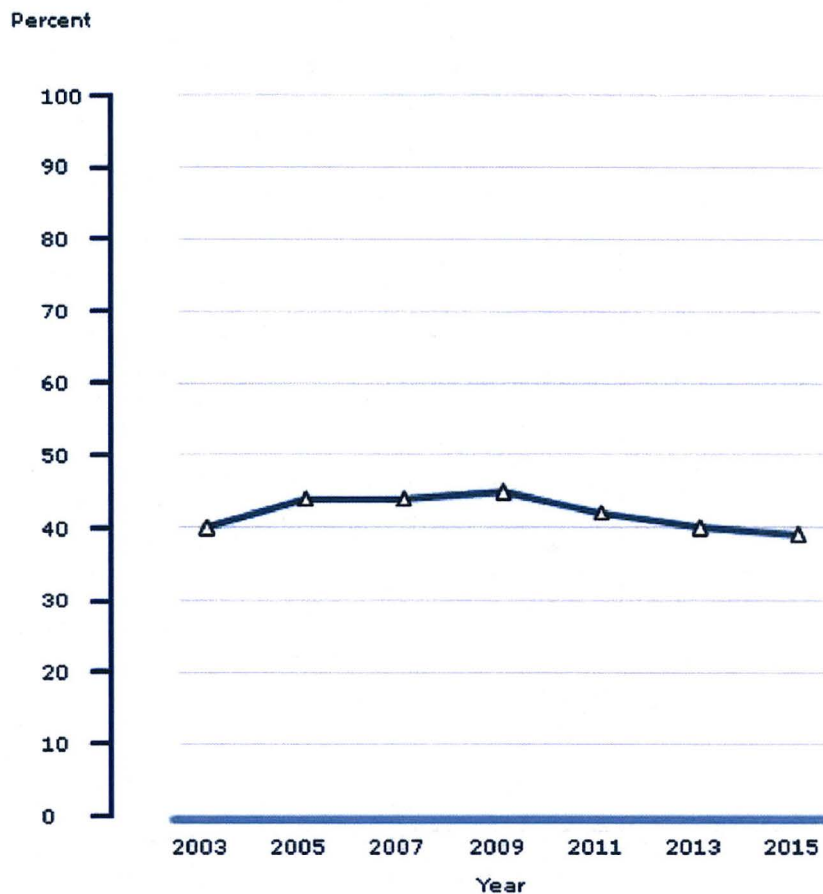
NOTE: Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 2

Percentages at each achievement level for reading, grade 8 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015

Alaska, at Basic



△ All students

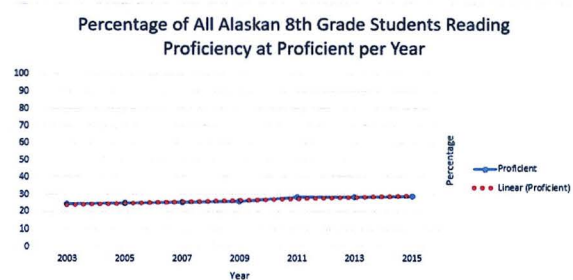
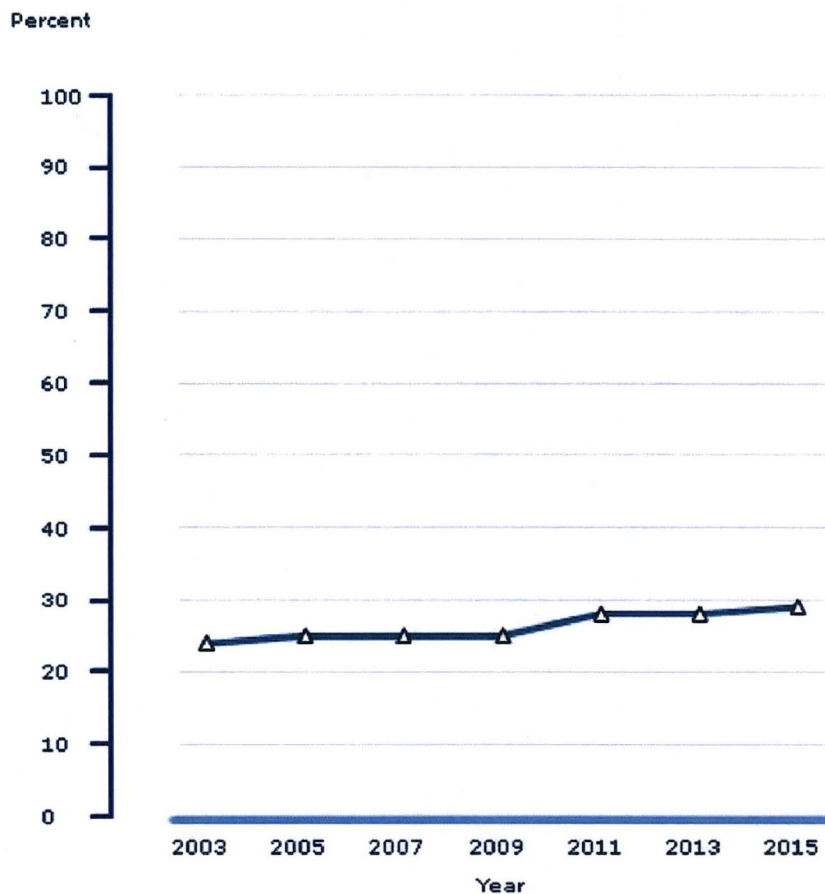
NOTE: Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 3

Percentages at each achievement level for reading, grade 8 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015

Alaska, at Proficient



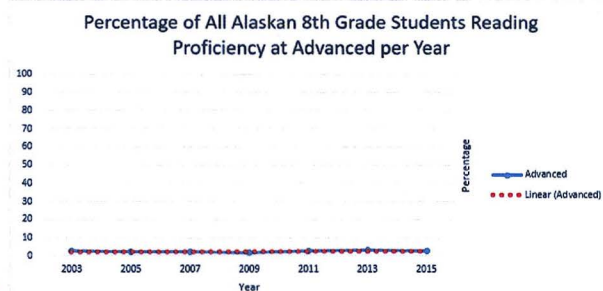
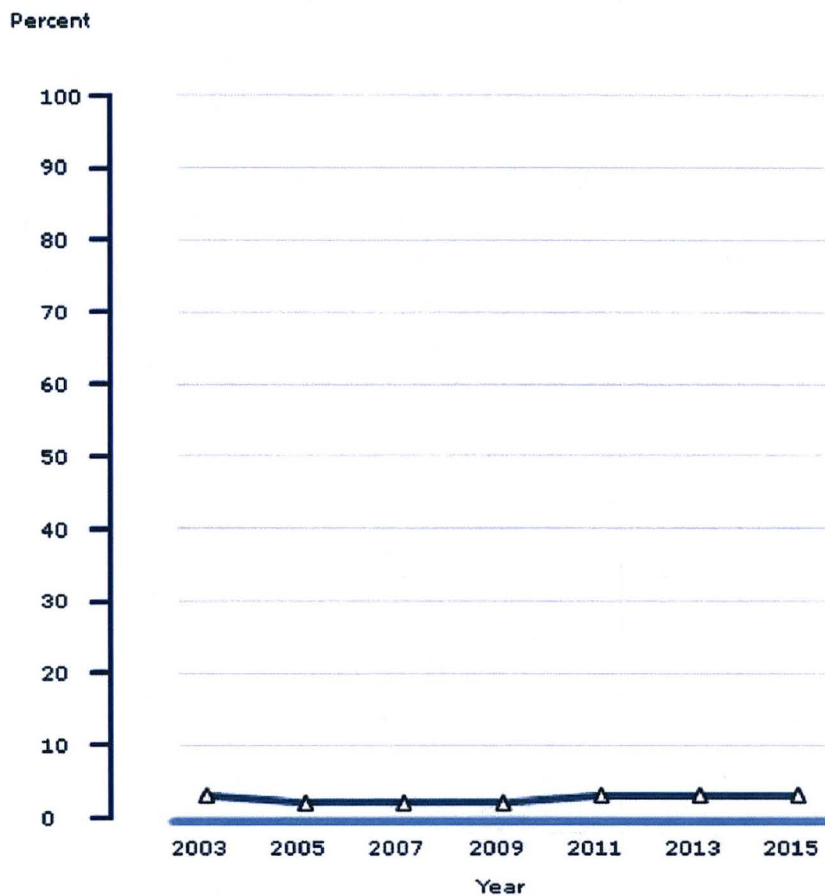
△ All students

NOTE: Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 4

Percentages at each achievement level for reading, grade 8 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015
Alaska, at Advanced



△ All students

NOTE: Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Sig Test 1

Reading, grade 8

Difference in percent below Basic between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = 1 P-value = 0.7030	x Diff = 2 P-value = 0.2129	x Diff = 1 P-value = 0.6626	x Diff = 0 P-value = 0.9884	x Diff = -1 P-value = 0.6762	< Diff = -4 P-value = 0.0251
2013	x Diff = -1 P-value = 0.7030		x Diff = 2 P-value = 0.3350	x Diff = 0 P-value = 0.9456	x Diff = -1 P-value = 0.6688	x Diff = -1 P-value = 0.3948	< Diff = -5 P-value = 0.0043
2011	x Diff = -2 P-value = 0.2129	x Diff = -2 P-value = 0.3350		x Diff = -1 P-value = 0.3814	x Diff = -2 P-value = 0.1724	x Diff = -3 P-value = 0.0810	< Diff = -6 P-value = 0.0002
2009	x Diff = -1 P-value = 0.6626	x Diff = 0 P-value = 0.9456	x Diff = 1 P-value = 0.3814		x Diff = -1 P-value = 0.6272	x Diff = -2 P-value = 0.3686	< Diff = -5 P-value = 0.0040
2007	x Diff = 0 P-value = 0.9884	x Diff = 1 P-value = 0.6688	x Diff = 2 P-value = 0.1724	x Diff = 1 P-value = 0.6272		x Diff = -1 P-value = 0.6659	< Diff = -4 P-value = 0.0166
2005	x Diff = 1 P-value = 0.6762	x Diff = 1 P-value = 0.3948	x Diff = 3 P-value = 0.0810	x Diff = 2 P-value = 0.3686	x Diff = 1 P-value = 0.6659		x Diff = -3 P-value = 0.0601
2003	> Diff = 4 P-value = 0.0251	> Diff = 5 P-value = 0.0043	> Diff = 6 P-value = 0.0002	> Diff = 5 P-value = 0.0040	> Diff = 4 P-value = 0.0166	x Diff = 3 P-value = 0.0601	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Reading, grade 8

Difference in percent at Basic between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = -1 P-value = 0.6685	x Diff = -3 P-value = 0.2401	< Diff = -5 P-value = 0.0219	x Diff = -4 P-value = 0.0545	x Diff = -4 P-value = 0.1045	x Diff = 0 P-value = 0.8379
2013	x Diff = 1 P-value = 0.6685		x Diff = -2 P-value = 0.3906	< Diff = -4 P-value = 0.0310	x Diff = -3 P-value = 0.0840	x Diff = -3 P-value = 0.1650	x Diff = 1 P-value = 0.7929
2011	x Diff = 3 P-value = 0.2401	x Diff = 2 P-value = 0.3906		x Diff = -3 P-value = 0.1756	x Diff = -2 P-value = 0.3647	x Diff = -2 P-value = 0.4892	x Diff = 2 P-value = 0.2558
2009	> Diff = 5 P-value = 0.0219	> Diff = 4 P-value = 0.0310	x Diff = 3 P-value = 0.1756		x Diff = 1 P-value = 0.6535	x Diff = 1 P-value = 0.6641	> Diff = 5 P-value = 0.0145
2007	x Diff = 4 P-value = 0.0545	x Diff = 3 P-value = 0.0840	x Diff = 2 P-value = 0.3647	x Diff = -1 P-value = 0.6535		x Diff = 0 P-value = 0.9515	> Diff = 4 P-value = 0.0442
2005	x Diff = 4 P-value = 0.1045	x Diff = 3 P-value = 0.1650	x Diff = 2 P-value = 0.4892	x Diff = -1 P-value = 0.6641	x Diff = 0 P-value = 0.9515		x Diff = 4 P-value = 0.1054

Reading, grade 8

Difference in percent at Basic between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2003	x Diff = 0 P-value = 0.8379	x Diff = -1 P-value = 0.7929	x Diff = -2 P-value = 0.2558	< Diff = -5 P-value = 0.0145	< Diff = -4 P-value = 0.0442	x Diff = -4 P-value = 0.1054	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Reading, grade 8

Difference in percent at Proficient between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = 1 P-value = 0.7428	x Diff = 0 P-value = 0.8261	x Diff = 3 P-value = 0.0921	x Diff = 3 P-value = 0.0503	> Diff = 4 P-value = 0.0374	> Diff = 5 P-value = 0.0311
2013	x Diff = -1 P-value = 0.7428		x Diff = 0 P-value = 0.8943	x Diff = 3 P-value = 0.1174	x Diff = 3 P-value = 0.0564	> Diff = 4 P-value = 0.0436	> Diff = 4 P-value = 0.0372
2011	x Diff = 0 P-value = 0.8261	x Diff = 0 P-value = 0.8943		x Diff = 3 P-value = 0.0854	> Diff = 3 P-value = 0.0360	> Diff = 4 P-value = 0.0296	> Diff = 4 P-value = 0.0261
2009	x Diff = -3 P-value = 0.0921	x Diff = -3 P-value = 0.1174	x Diff = -3 P-value = 0.0854		x Diff = 0 P-value = 0.8908	x Diff = 1 P-value = 0.6330	x Diff = 1 P-value = 0.5020
2007	x Diff = -3 P-value = 0.0503	x Diff = -3 P-value = 0.0564	< Diff = -3 P-value = 0.0360	x Diff = 0 P-value = 0.8908		x Diff = 1 P-value = 0.6926	x Diff = 1 P-value = 0.5419
2005	< Diff = -4 P-value = 0.0374	< Diff = -4 P-value = 0.0436	< Diff = -4 P-value = 0.0296	x Diff = -1 P-value = 0.6330	x Diff = -1 P-value = 0.6926		x Diff = 0 P-value = 0.8208
2003	< Diff = -5 P-value = 0.0311	< Diff = -4 P-value = 0.0372	< Diff = -4 P-value = 0.0261	x Diff = -1 P-value = 0.5020	x Diff = -1 P-value = 0.5419	x Diff = 0 P-value = 0.8208	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Reading, grade 8

Difference in percent at Advanced between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = 0 P-value = 0.6201	x Diff = 0 P-value = 0.9906	x Diff = 1 P-value = 0.0683	x Diff = 1 P-value = 0.1832	x Diff = 1 P-value = 0.1471	x Diff = 0 P-value = 0.9762
2013	x Diff = 0		x Diff = 0	> Diff = 1	x Diff = 1	x Diff = 1	x Diff = 0

Reading, grade 8

Difference in percent at Advanced between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
	P-value = 0.6201		P-value = 0.5863	P-value = 0.0234	P-value = 0.0732	P-value = 0.0509	P-value = 0.6734
2011	x Diff = 0 P-value = 0.9906	x Diff = 0 P-value = 0.5863		> Diff = 1 P-value = 0.0349	x Diff = 1 P-value = 0.1236	x Diff = 1 P-value = 0.0772	x Diff = 0 P-value = 0.9820
2009	x Diff = -1 P-value = 0.0683	< Diff = -1 P-value = 0.0234	< Diff = -1 P-value = 0.0349		x Diff = 0 P-value = 0.6361	x Diff = 0 P-value = 0.5244	x Diff = -1 P-value = 0.0993
2007	x Diff = -1 P-value = 0.1832	x Diff = -1 P-value = 0.0732	x Diff = -1 P-value = 0.1236	x Diff = 0 P-value = 0.6361		x Diff = 0 P-value = 0.9444	x Diff = -1 P-value = 0.2225
2005	x Diff = -1 P-value = 0.1471	x Diff = -1 P-value = 0.0509	x Diff = -1 P-value = 0.0772	x Diff = 0 P-value = 0.5244	x Diff = 0 P-value = 0.9444		x Diff = -1 P-value = 0.1967
2003	x Diff = 0 P-value = 0.9762	x Diff = 0 P-value = 0.6734	x Diff = 0 P-value = 0.9820	x Diff = 1 P-value = 0.0993	x Diff = 1 P-value = 0.2225	x Diff = 1 P-value = 0.1967	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Spring 2015
Alaska Measures of Progress
 Total Numbers and Percentages of Students
 Meets and Partially Meets Standards

Grade 3							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	3,405	35.5%	6,198	64.5%	9,931	96.7%
Mathematics	2015	3,908	40.6%	5,727	59.4%	9,956	96.8%

Grade 4							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	3,753	40.0%	5,622	60.0%	9,684	96.8%
Mathematics	2015	3,645	38.8%	5,746	61.2%	9,706	96.8%

Grade 5							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	3,863	42.2%	5,291	57.8%	9,470	96.6%
Mathematics	2015	3,173	34.6%	6,007	65.4%	9,503	96.6%

Grade 6							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	3,366	37.5%	5,605	62.5%	9,337	96.1%
Mathematics	2015	2,870	31.9%	6,123	68.1%	9,366	96.0%

Grade 7							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	2,681	30.0%	6,261	70.0%	9,273	96.4%
Mathematics	2015	2,662	29.7%	6,288	70.3%	9,295	96.3%

Grade 8							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	2,846	31.2%	6,270	68.8%	9,467	96.3%
Mathematics	2015	2,357	25.8%	6,792	74.2%	9,501	96.3%

Grade 9							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	2,962	32.9%	6,029	67.1%	9,548	94.2%
Mathematics	2015	2,365	26.3%	6,634	73.7%	9,580	93.9%

Grade 10							
Subject	Test Year	Meets the Standards ³		Partially Meets the Standards ³		Enrollment	Participation Rate ²
		Count	Percentage ¹	Count	Percentage ¹		
English Language Arts	2015	2,408	28.6%	6,000	71.4%	9,220	91.2%
Mathematics	2015	1,695	20.2%	6,685	79.8%	9,237	90.7%

¹ Meets and Partially Meets percentages only include students who participated in the exams.

² Participation rate is calculated by dividing the total count of students tested by the number of students enrolled on the first day of testing.

³ Meets the Standards (Level 3 and Level 4) and Partially Meets the Standards (Level 1 and Level 2).

National Center for Education Statistics (NCES)

Institute of Education Sciences (IES)

National Assessment of Educational Progress (NAEP)

This report was generated using the NAEP Data Explorer. <http://nces.ed.gov/nationsreportcard/naepdata/> <http://nces.ed.gov/nationsreportcard/naepdata/>

Report 1: Table

Percentages at each achievement level for reading, grade 4 by all students [TOTAL], year and jurisdiction: 2015, 2013, 2011, 2009, 2007, 2005, and 2003

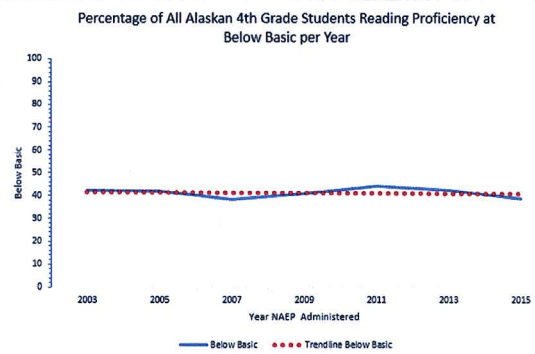
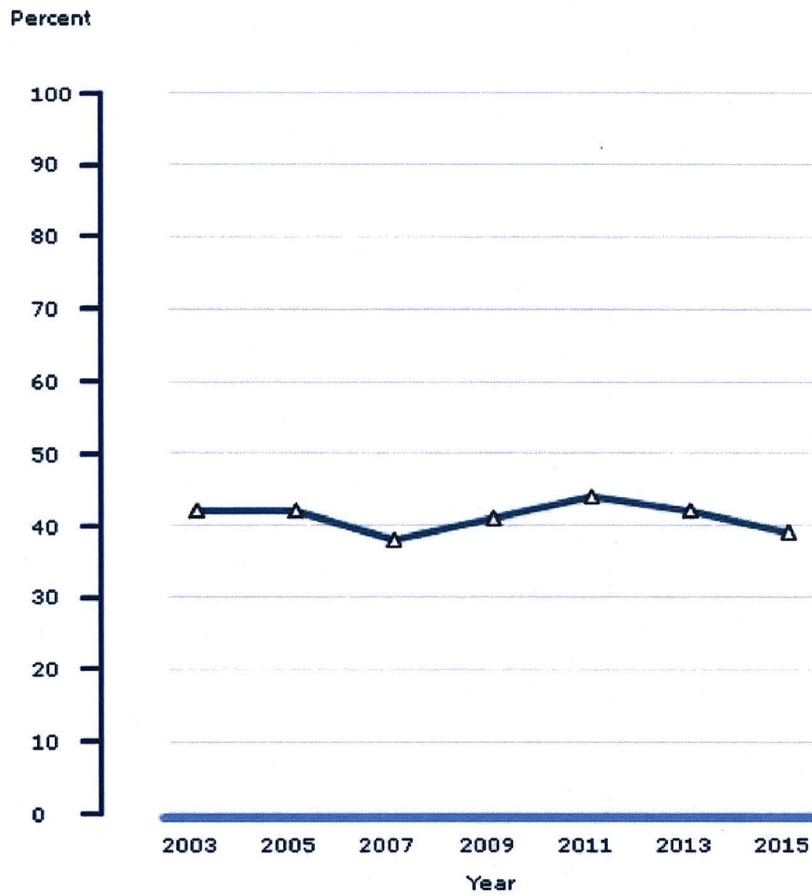
Year	Jurisdiction	All students							
		below Basic	Standard Error	at Basic	Standard Error	at Proficient	Standard Error	at Advanced	Standard Error
2015	Alaska	39	(1.4)	31	(1.4)	24	(1.4)	6	(0.8)
2013	Alaska	42	(1.2)	30	(1.3)	22	(1.1)	6	(0.5)
2011	Alaska	44	(1.4)	30	(1.1)	20	(1.2)	5	(0.7)
2009	Alaska	41	(1.3)	32	(1.2)	22	(1.2)	5	(0.7)
2007	Alaska	38	(1.2)	33	(1.2)	22	(1.1)	6	(0.8)
2005	Alaska	42	(1.5)	31	(1.2)	21	(1.2)	5	(0.5)
2003	Alaska	42	(1.8)	30	(1.4)	22	(1.5)	6	(0.8)

NOTE: Detail may not sum to totals because of rounding. Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 1

Percentages at each achievement level for reading, grade 4 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015
Alaska, below Basic

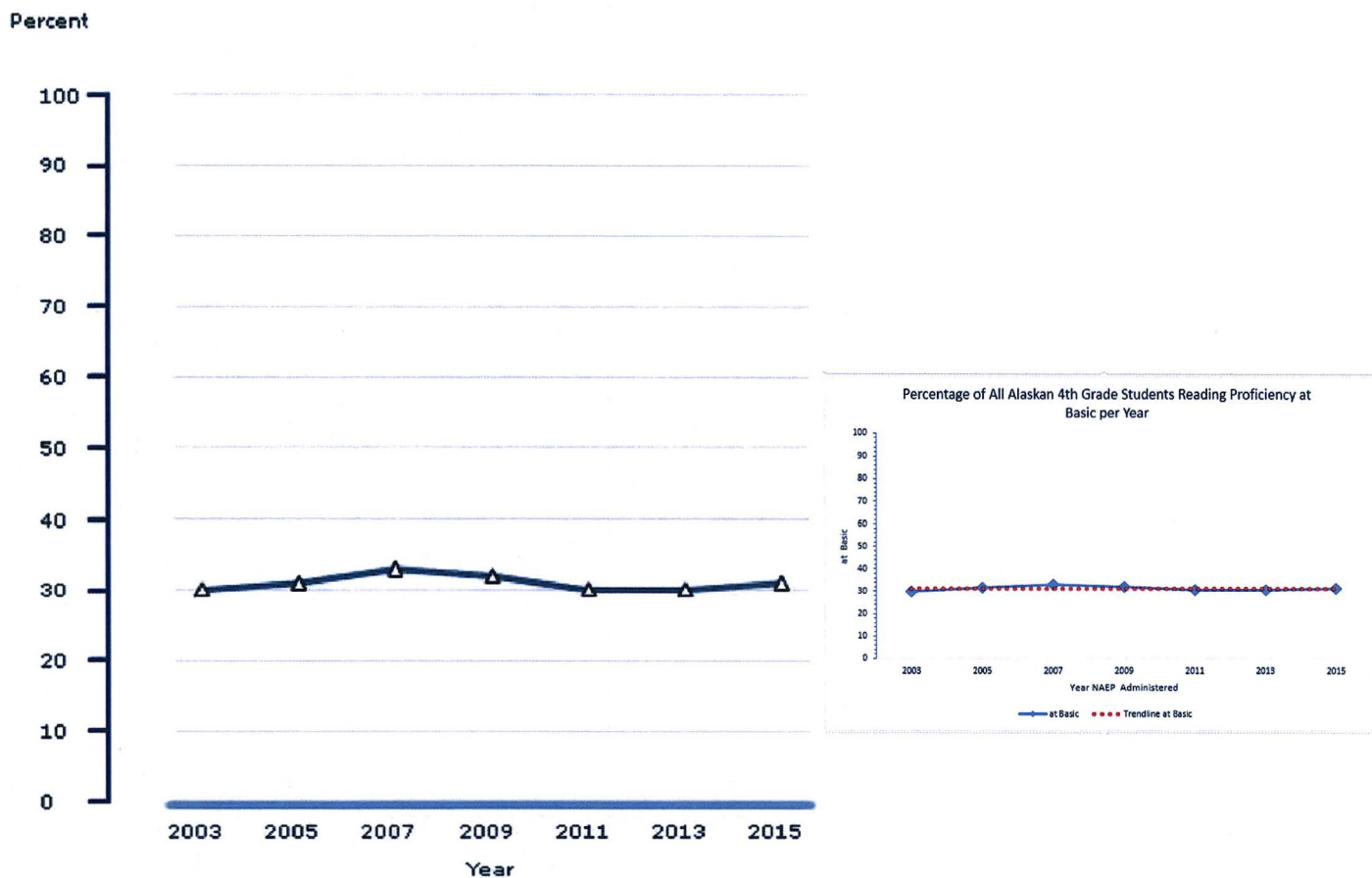


△ All students

NOTE: Some apparent differences between estimates may not be statistically significant.
SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 2

Percentages at each achievement level for reading, grade 4 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015
Alaska, at Basic



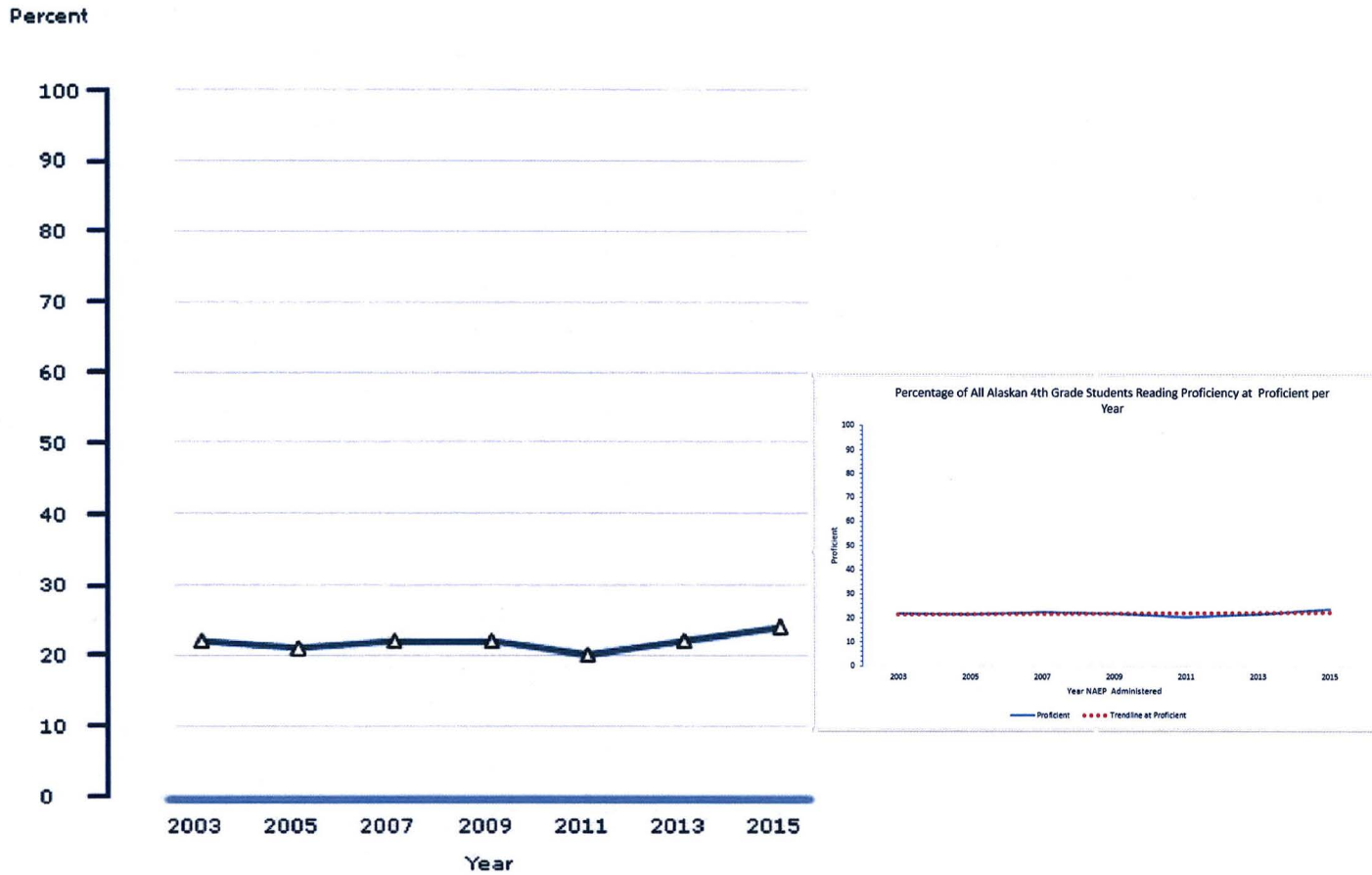
△ All students

NOTE: Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 3

Percentages at each achievement level for reading, grade 4 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015
Alaska, at Proficient



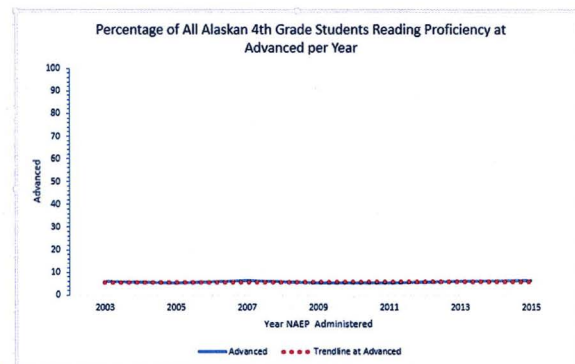
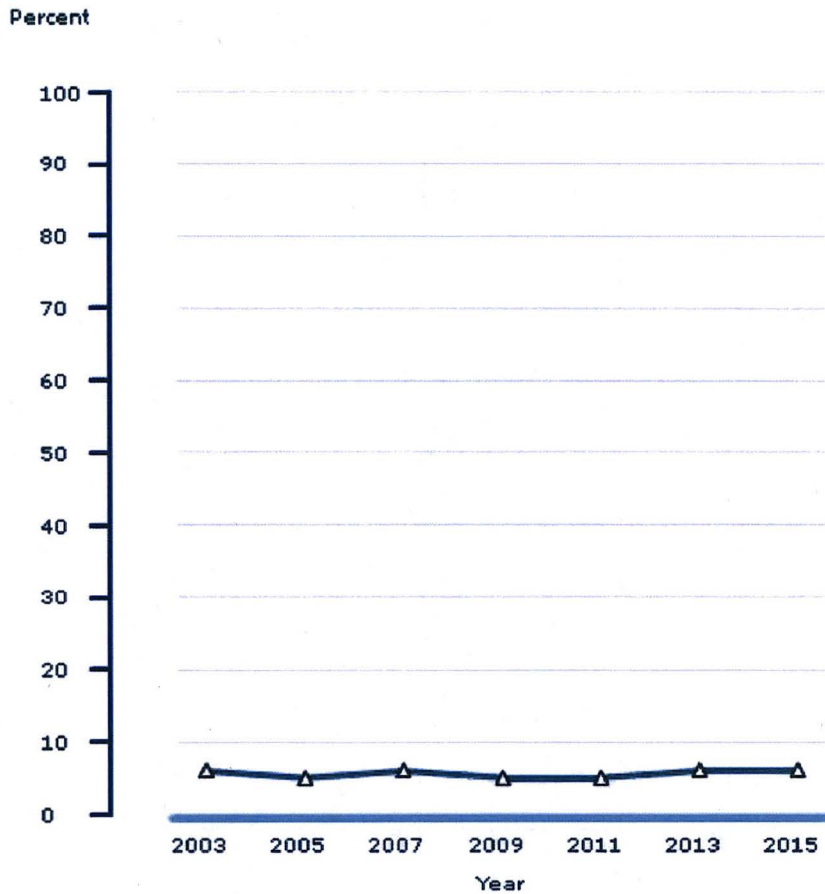
△ All students

NOTE: Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Chart 4

Percentages at each achievement level for reading, grade 4 by all students [TOTAL] for year and jurisdiction: 2003, 2005, 2007, 2009, 2011, 2013, and 2015
Alaska, at Advanced



△ All students

NOTE: Some apparent differences between estimates may not be statistically significant.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Report 1: Sig Test 1
Reading, grade 4
Difference in percent below Basic between years, for all students [TOTAL] = All students
Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = -3 P-value = 0.0666	< Diff = -5 P-value = 0.0075	x Diff = -2 P-value = 0.2356	x Diff = 0 P-value = 0.8024	x Diff = -3 P-value = 0.1345	x Diff = -4 P-value = 0.1123
2013	x Diff = 3 P-value = 0.0666		x Diff = -2 P-value = 0.2859	x Diff = 1 P-value = 0.5193	> Diff = 4 P-value = 0.0265	x Diff = 0 P-value = 0.9015	x Diff = 0 P-value = 0.9067
2011	> Diff = 5 P-value = 0.0075	x Diff = 2 P-value = 0.2859		x Diff = 3 P-value = 0.1047	> Diff = 6 P-value = 0.0023	x Diff = 2 P-value = 0.2904	x Diff = 2 P-value = 0.4487
2009	x Diff = 2 P-value = 0.2356	x Diff = -1 P-value = 0.5193	x Diff = -3 P-value = 0.1047		x Diff = 3 P-value = 0.1293	x Diff = -1 P-value = 0.6591	x Diff = -1 P-value = 0.5303
2007	x Diff = 0 P-value = 0.8024	< Diff = -4 P-value = 0.0265	< Diff = -6 P-value = 0.0023	x Diff = -3 P-value = 0.1293		x Diff = -4 P-value = 0.0723	x Diff = -4 P-value = 0.0634
2005	x Diff = 3 P-value = 0.1345	x Diff = 0 P-value = 0.9015	x Diff = -2 P-value = 0.2904	x Diff = 1 P-value = 0.6591	x Diff = 4 P-value = 0.0723		x Diff = 0 P-value = 0.8344
2003	x Diff = 4 P-value = 0.1123	x Diff = 0 P-value = 0.9067	x Diff = -2 P-value = 0.4487	x Diff = 1 P-value = 0.5303	x Diff = 4 P-value = 0.0634	x Diff = 0 P-value = 0.8344	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Reading, grade 4
Difference in percent at Basic between years, for all students [TOTAL] = All students
Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = 1 P-value = 0.6414	x Diff = 1 P-value = 0.5907	x Diff = -1 P-value = 0.7629	x Diff = -2 P-value = 0.3675	x Diff = 0 P-value = 0.9480	x Diff = 1 P-value = 0.4808
2013	x Diff = -1 P-value = 0.6414		x Diff = 0 P-value = 0.9758	x Diff = -1 P-value = 0.4132	x Diff = -3 P-value = 0.1518	x Diff = -1 P-value = 0.5739	x Diff = 0 P-value = 0.8001
2011	x Diff = -1 P-value = 0.5907	x Diff = 0 P-value = 0.9758		x Diff = -1 P-value = 0.3457	x Diff = -3 P-value = 0.1040	x Diff = -1 P-value = 0.5135	x Diff = 0 P-value = 0.8047
2009	x Diff = 1 P-value = 0.7629	x Diff = 1 P-value = 0.4132	x Diff = 1 P-value = 0.3457		x Diff = -1 P-value = 0.5072	x Diff = 0 P-value = 0.8012	x Diff = 2 P-value = 0.2846
2007	x Diff = 2 P-value = 0.3675	x Diff = 3 P-value = 0.1518	x Diff = 3 P-value = 0.1040	x Diff = 1 P-value = 0.5072		x Diff = 2 P-value = 0.3709	x Diff = 3 P-value = 0.0952
2005	x Diff = 0 P-value = 0.9480	x Diff = 1 P-value = 0.5739	x Diff = 1 P-value = 0.5135	x Diff = 0 P-value = 0.8012	x Diff = -2 P-value = 0.3709		x Diff = 2 P-value = 0.4159

Reading, grade 4

Difference in percent at Basic between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2003	x Diff = -1 P-value = 0.4808	x Diff = 0 P-value = 0.8001	x Diff = 0 P-value = 0.8047	x Diff = -2 P-value = 0.2846	x Diff = -3 P-value = 0.0952	x Diff = -2 P-value = 0.4159	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Reading, grade 4

Difference in percent at Proficient between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = 2 P-value = 0.2811	x Diff = 3 P-value = 0.0953	x Diff = 2 P-value = 0.3816	x Diff = 1 P-value = 0.5004	x Diff = 2 P-value = 0.2534	x Diff = 2 P-value = 0.3715
2013	x Diff = -2 P-value = 0.2811		x Diff = 1 P-value = 0.4582	x Diff = 0 P-value = 0.8597	x Diff = -1 P-value = 0.6293	x Diff = 0 P-value = 0.9012	x Diff = 0 P-value = 0.9650
2011	x Diff = -3 P-value = 0.0953	x Diff = -1 P-value = 0.4582		x Diff = -1 P-value = 0.3860	x Diff = -2 P-value = 0.2306	x Diff = -1 P-value = 0.5561	x Diff = -1 P-value = 0.5056
2009	x Diff = -2 P-value = 0.3816	x Diff = 0 P-value = 0.8597	x Diff = 1 P-value = 0.3860		x Diff = 0 P-value = 0.7839	x Diff = 0 P-value = 0.7753	x Diff = 0 P-value = 0.9147
2007	x Diff = -1 P-value = 0.5004	x Diff = 1 P-value = 0.6293	x Diff = 2 P-value = 0.2306	x Diff = 0 P-value = 0.7839		x Diff = 1 P-value = 0.5610	x Diff = 1 P-value = 0.7233
2005	x Diff = -2 P-value = 0.2534	x Diff = 0 P-value = 0.9012	x Diff = 1 P-value = 0.5561	x Diff = 0 P-value = 0.7753	x Diff = -1 P-value = 0.5610		x Diff = 0 P-value = 0.8835
2003	x Diff = -2 P-value = 0.3715	x Diff = 0 P-value = 0.9650	x Diff = 1 P-value = 0.5056	x Diff = 0 P-value = 0.9147	x Diff = -1 P-value = 0.7233	x Diff = 0 P-value = 0.8835	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.

Reading, grade 4

Difference in percent at Advanced between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
2015		x Diff = 0 P-value = 0.6075	x Diff = 1 P-value = 0.2432	x Diff = 1 P-value = 0.3049	x Diff = 0 P-value = 0.9894	x Diff = 1 P-value = 0.2573	x Diff = 0 P-value = 0.7563
2013	x Diff = 0		x Diff = 1	x Diff = 1	x Diff = -1	x Diff = 1	x Diff = 0

Reading, grade 4

Difference in percent at Advanced between years, for all students [TOTAL] = All students

Alaska

	2015	2013	2011	2009	2007	2005	2003
	P-value = 0.6075		P-value = 0.3972	P-value = 0.4960	P-value = 0.6091	P-value = 0.4290	P-value = 0.8733
2011	x Diff = -1 P-value = 0.2432	x Diff = -1 P-value = 0.3972		x Diff = 0 P-value = 0.9105	x Diff = -1 P-value = 0.2513	x Diff = 0 P-value = 0.8615	x Diff = -1 P-value = 0.3933
2009	x Diff = -1 P-value = 0.3049	x Diff = -1 P-value = 0.4960	x Diff = 0 P-value = 0.9105		x Diff = -1 P-value = 0.3118	x Diff = 0 P-value = 0.9690	x Diff = -1 P-value = 0.4717
2007	x Diff = 0 P-value = 0.9894	x Diff = 1 P-value = 0.6091	x Diff = 1 P-value = 0.2513	x Diff = 1 P-value = 0.3118		x Diff = 1 P-value = 0.2675	x Diff = 0 P-value = 0.7523
2005	x Diff = -1 P-value = 0.2573	x Diff = -1 P-value = 0.4290	x Diff = 0 P-value = 0.8615	x Diff = 0 P-value = 0.9690	x Diff = -1 P-value = 0.2675		x Diff = -1 P-value = 0.4300
2003	x Diff = 0 P-value = 0.7563	x Diff = 0 P-value = 0.8733	x Diff = 1 P-value = 0.3933	x Diff = 1 P-value = 0.4717	x Diff = 0 P-value = 0.7523	x Diff = 1 P-value = 0.4300	

LEGEND:

- < Significantly lower.
- > Significantly higher.
- x No significant difference.

NOTE: Within country comparisons on any given year are dependent with an alpha level of 0.05.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), 2003, 2005, 2007, 2009, 2011, 2013 and 2015 Reading Assessments.