

ASSESSMENT UPDATE

2009 Assessment Results
Status of Class of 2009
Dropout/Graduation Rates for Class of 2008
Redesign of 2010 Assessments

State Board of Education Meeting
September 18, 2009 Puget Sound ESD

Joe Willhoft, Assistant Superintendent
Assessment and Student Information, OSPI



RESULTS FROM SPRING 2009 ASSESSMENT



2009 Overall State WASL Results

Difference in percent meeting standards, 2008 to 2009

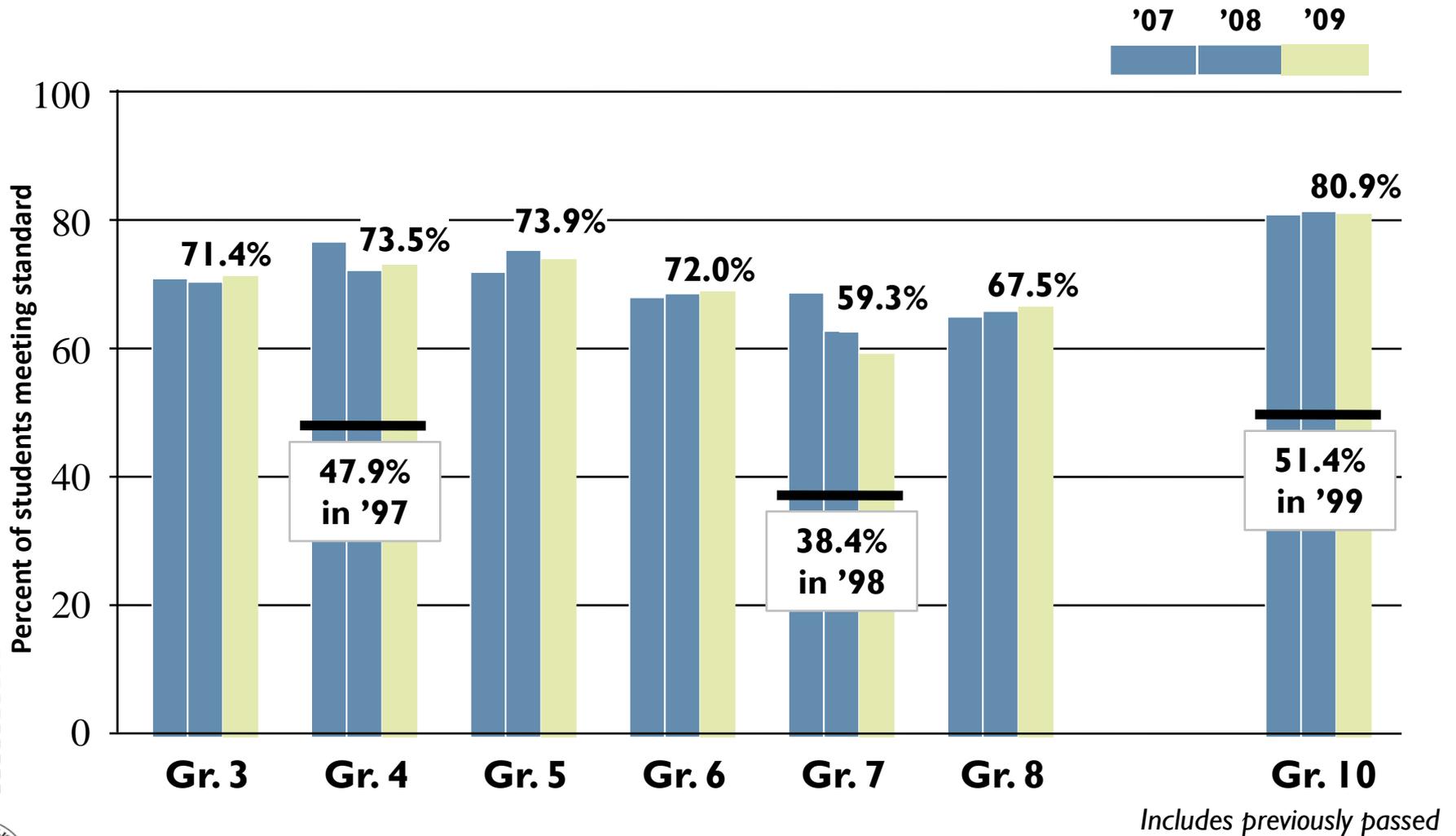
	Reading	Math	Writing	Science
Grade 3	0.9	 -2.0		
Grade 4	 1.2	 -1.1	 -1.8	
Grade 5	 -1.4	0.9		 2.0
Grade 6	 3.4	 2.0		
Grade 7	 -3.5	 1.5	0.0	
Grade 8	 1.6	-0.7		 3.2
Grade 10*	-0.4	 -4.1	0.1	 -1.1

*Including previously passed as 9th-graders



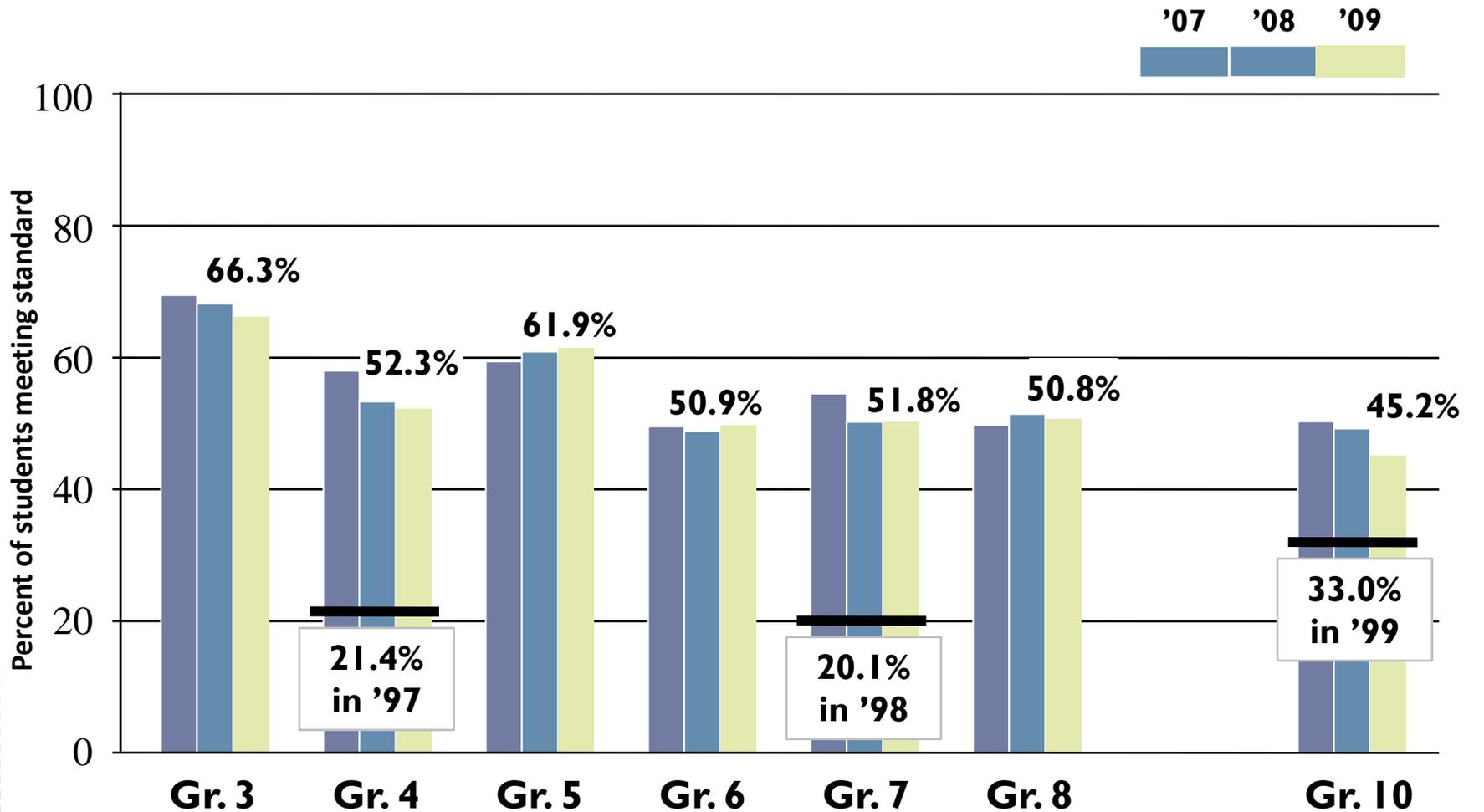
Reading: Grades 3-8 and 10

Percent of students meeting standard



Math: Grades 3-8 and 10

Percent of students meeting standard

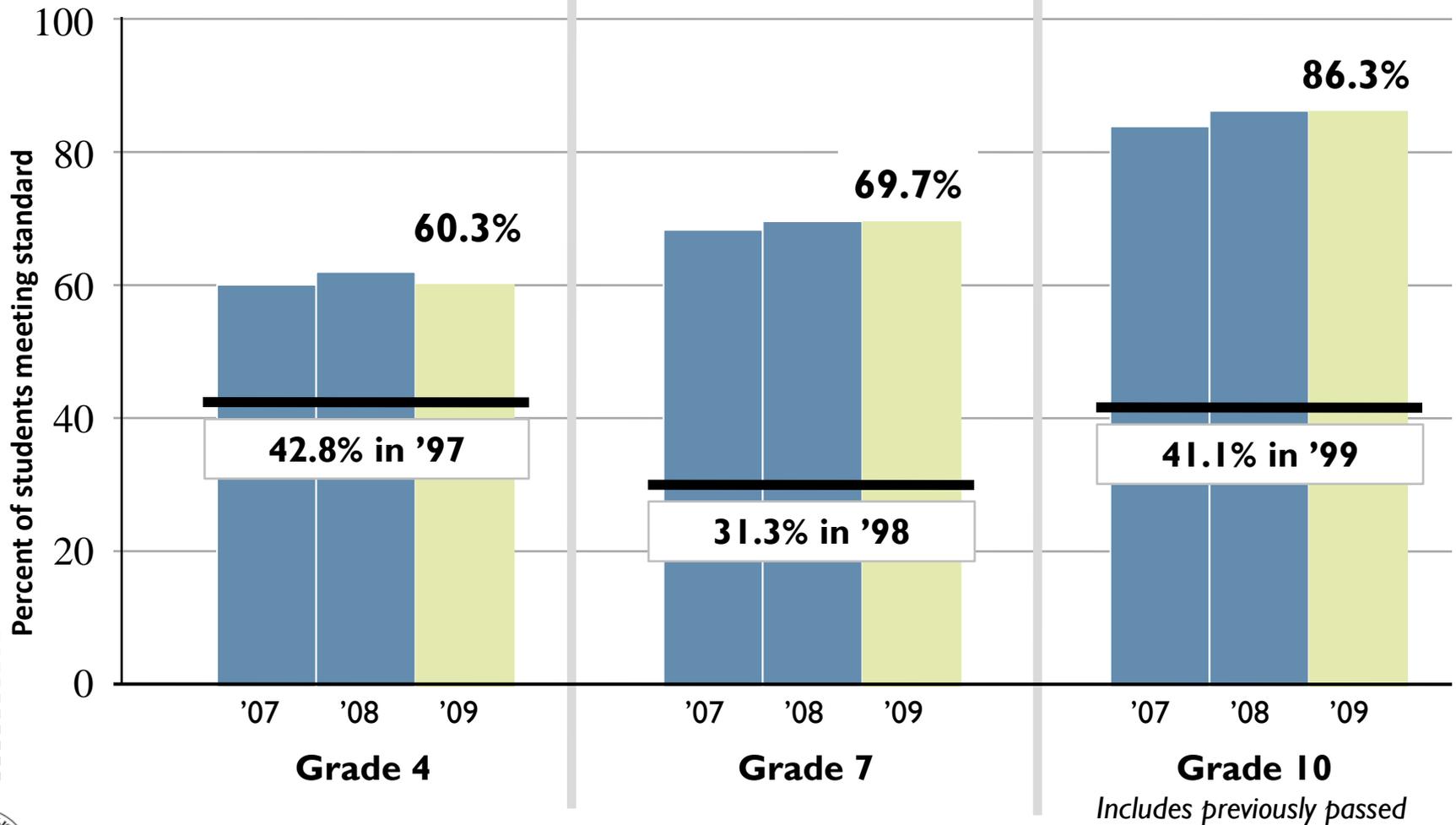


Includes previously passed



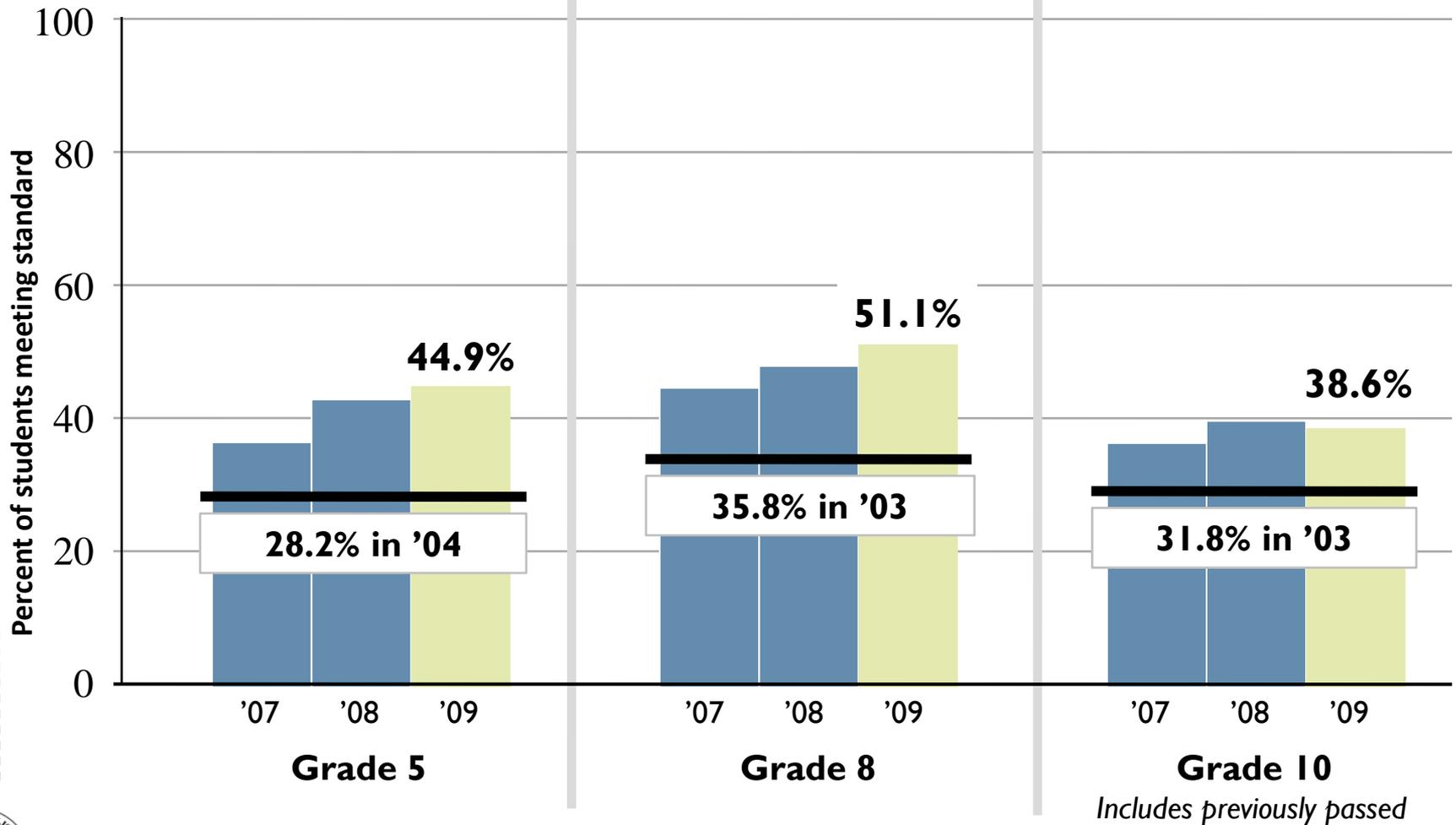
Writing: Grades 4,7 and 10

Percent of students meeting standard



Science: Grades 5,8 and 10

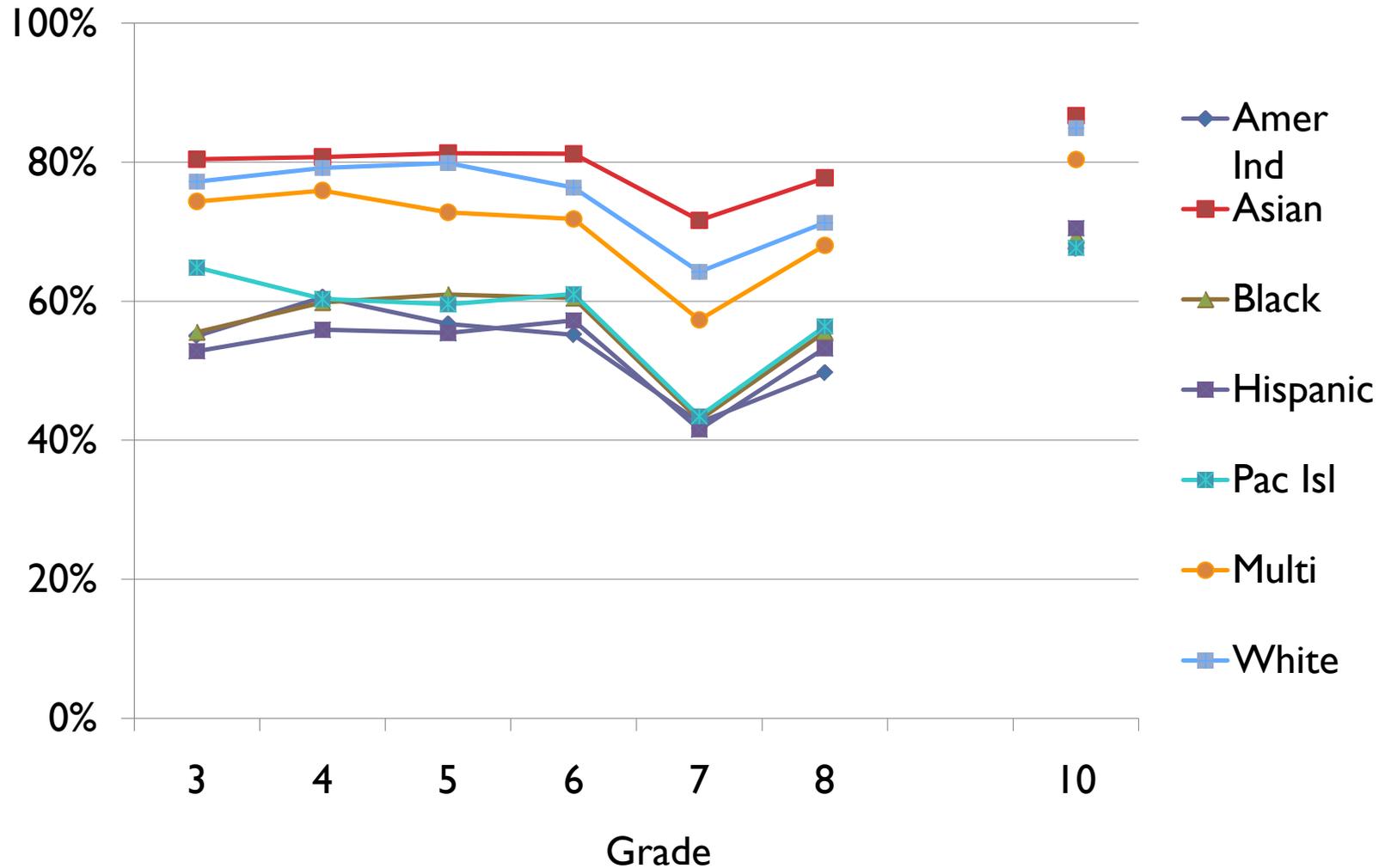
Percent of students meeting standard



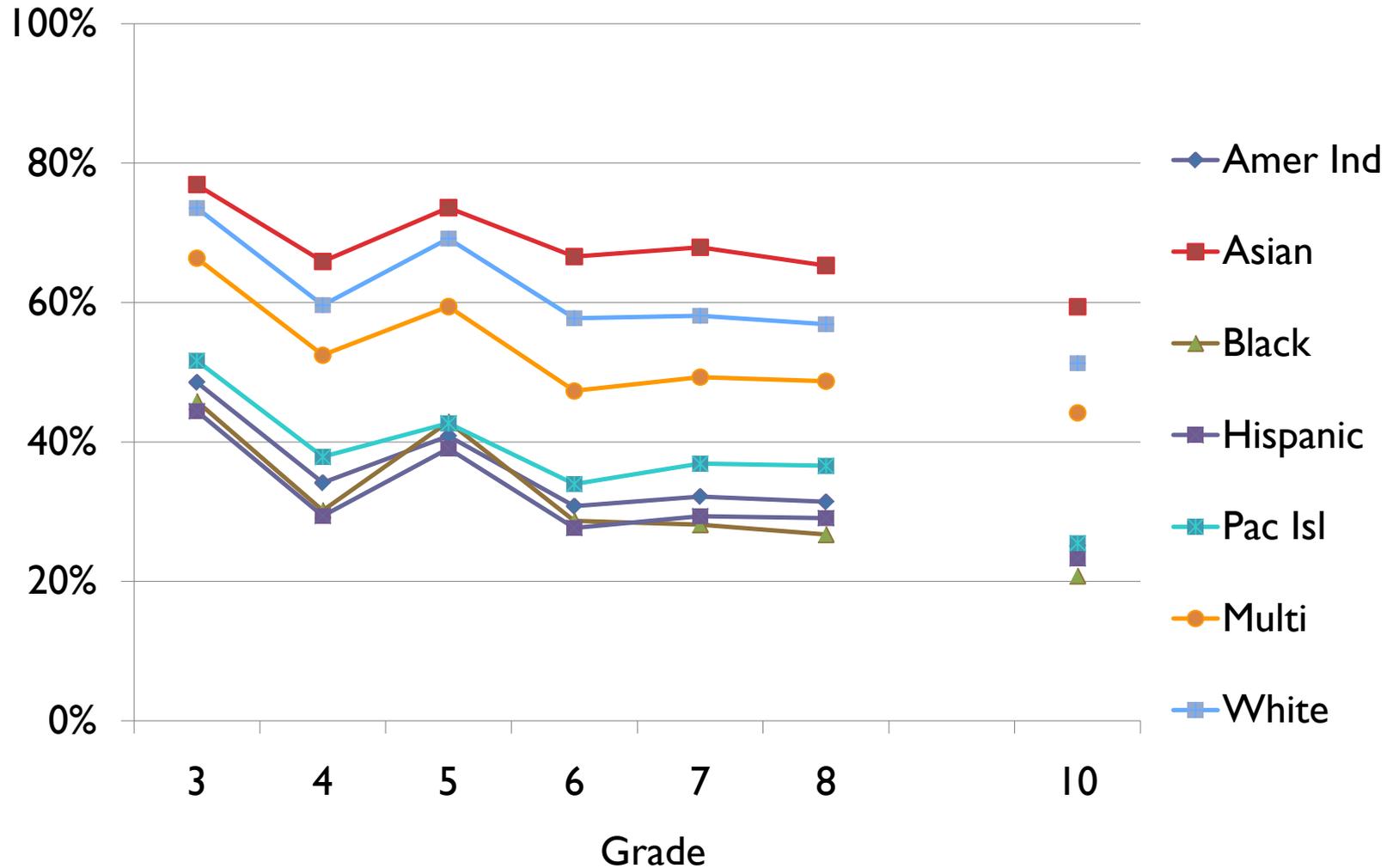
Includes previously passed



2009 WASL READING by ethnic group



2009 WASL MATH by ethnic group



STATUS OF CLASS OF 2009



Progress Report: Class of 2009-12th Graders

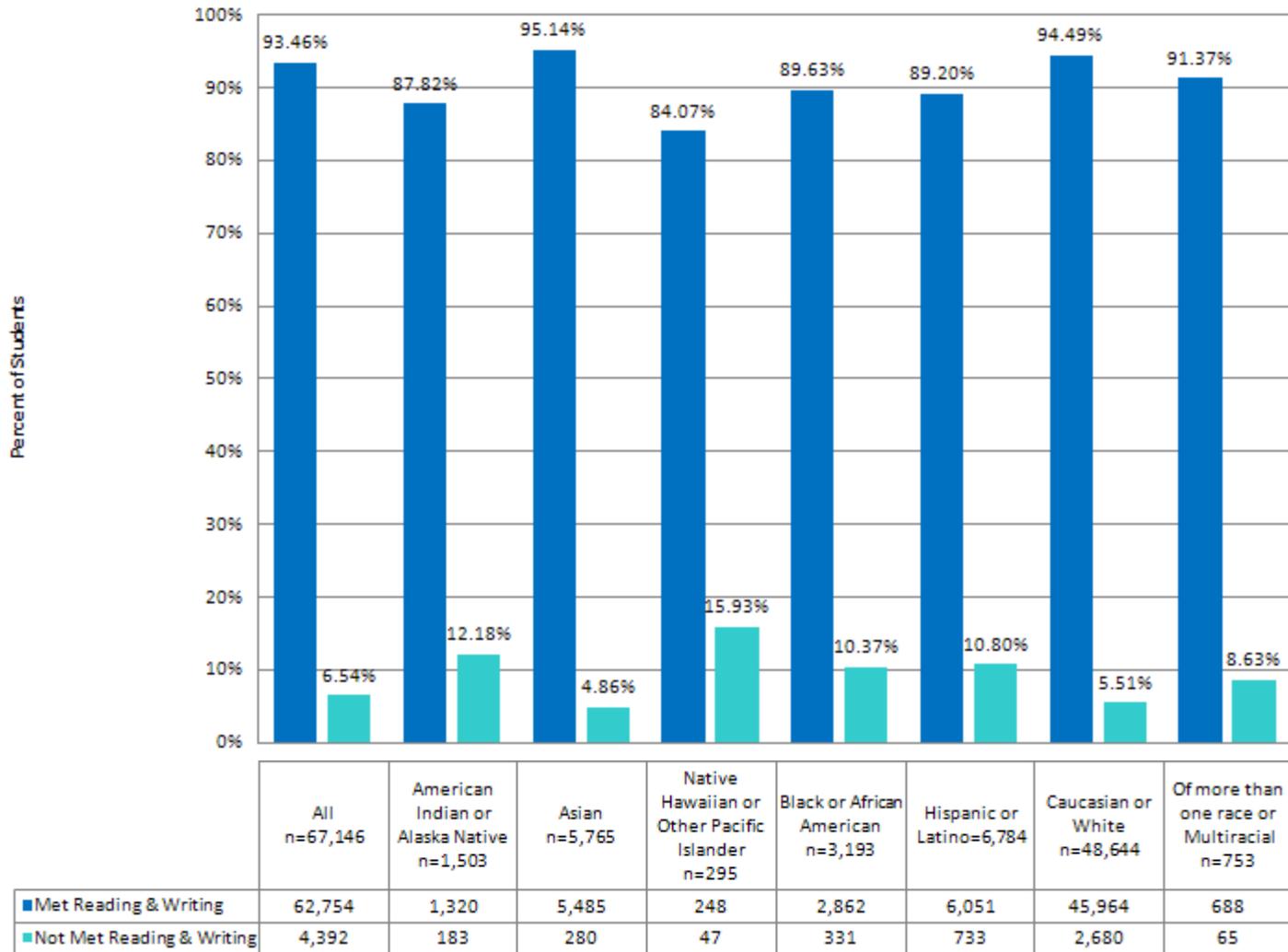
(All Students)

	Reading		Writing		Mathematics		Science	
	#	%	#	%	#	%	#	%
Total Met Standard	63,386	94.40%	63,680	94.84%	49,593	73.86%	25,966	38.67%
Via Washington Assessment of Student Learning (WASL)	59,417	88.49%	60,438	90.01%	42,071	62.66%	25,598	38.12%
Via Washington Alternative Assessments (Special Educ)	2,654	3.95%	2,324	3.46%	2,593	3.86%	368	0.55%
WASL- Basic	1,081	1.61%	1,130	1.68%	336	0.50%	81	0.12%
WAAS Developmentally Appropriate WASL	1,043	1.55%	442	0.66%	1,676	2.50%	1	0.00%
WAAS Portfolio	453	0.67%	455	0.68%	447	0.67%	286	0.43%
Locally Determined Assessments	77	0.11%	297	0.44%	134	0.20%	0	0.00%
Via Certificate of Academic Achievement Options	559	0.83%	199	0.30%	4168	6.21%	0	0.00%
Collection of Evidence	296	0.44%	51	0.08%	3000	4.47%	0	0.00%
PSAT/SAT/ACT/AP	254	0.38%	142	0.21%	839	1.25%	0	0.00%
WASL/Grades Comparison	9	0.01%	6	0.01%	329	0.49%	0	0.00%
Via Special Waiver	756	1.13%	719	1.07%	761	1.13%	0	0.00%
Out-of-State Waivers	737	1.10%	699	1.04%	741	1.10%	0	0.00%
Awareness Level Waivers (Special Education)	9	0.01%	12	0.02%	12	0.02%	0	0.00%
Special Circumstance Appeals	10	0.01%	8	0.01%	8	0.01%	0	0.00%
Tested: Not Met Standard	1,390	2.07%	1,062	1.58%	15,073	22.45%	30,730	45.77%
No score	2,370	3.53%	2,404	3.58%	2,480	3.69%	10,450	15.56%
TOTAL	67,146	100.00%	67,146	100.00%	67,146	100.00%	67,146	100.00%



Class of 2009*: Diploma Progress Report

Percent of students meeting standard in BOTH reading and writing by race/ethnicity

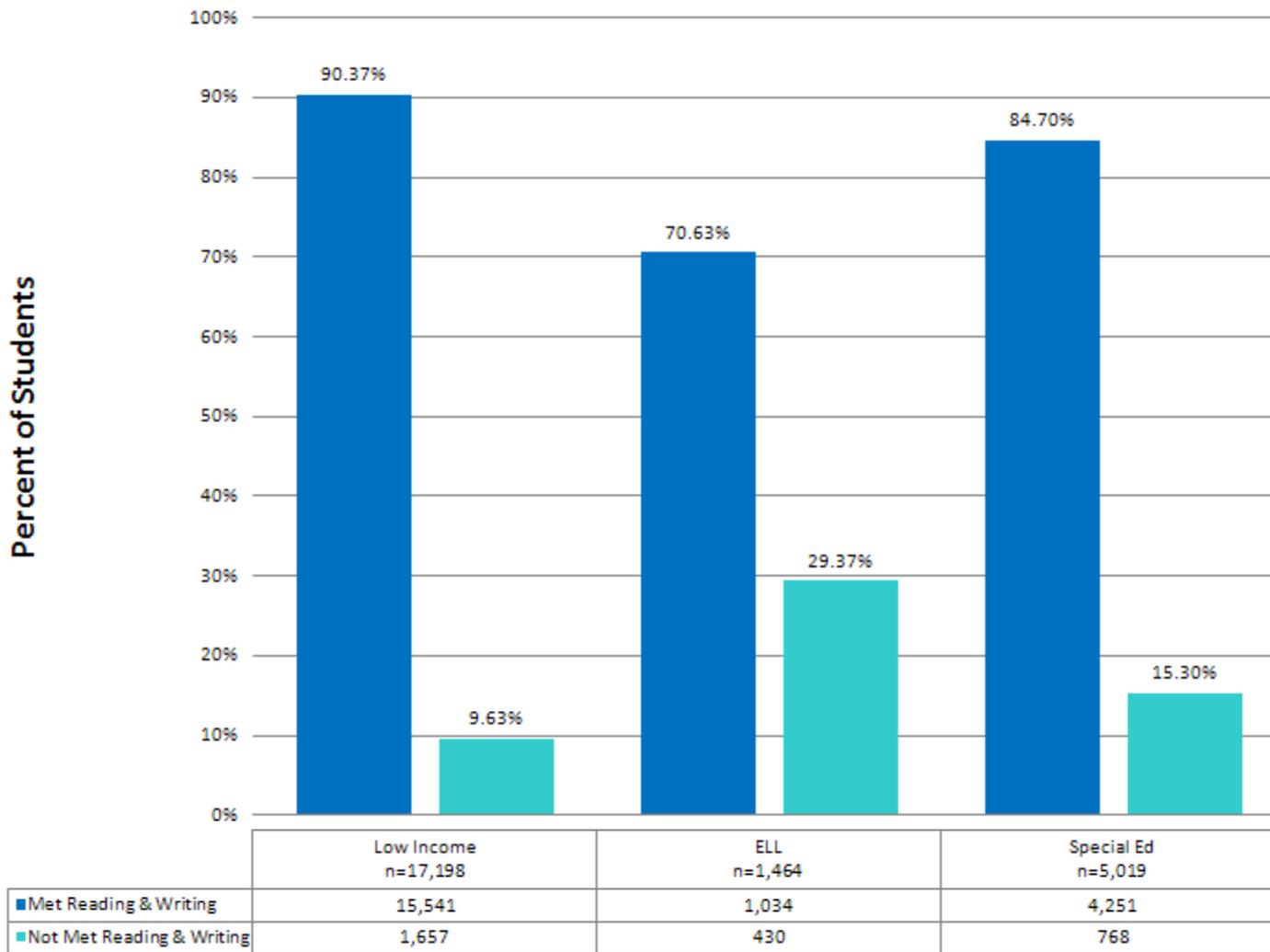


* Class of 2009 students who are classified as 12th-graders.



Class of 2009*: Diploma Progress Report

Percent of students meeting standard in BOTH reading and writing by special program group



* Class of 2009 students who are classified as 12th-graders.



OFFICE OF SUPERINTENDENT OF PUBLIC INSTRUCTION
Division of Assessment and Student Information

DROPOUT AND GRADUATION RATES FOR CLASS OF 2008



Graduation and Dropout Rates 2003-04 through 2007-08

	2003-04	2004-05	2005-06	2006-07	2007-08
On-time graduation rate	70.1%	74.3%	70.4%	72.5%	72.0%
Extended graduation rate	74.3	79.3	75.1	77.5	77.0
Annual dropout	5.8	5.1	5.7	5.5	5.6
Four-year dropout rate	21.5	19.1	21.4	21.0	21.4



Dropout Rates by Ethnicity

Estimated four-year cohorts

State Summary	2003-04	2004-05	2005-06	2006-07	2007-08
All Students	21.5%	19.1%	21.4%	21.0%	21.4%
Asian/Pacific Islander	14.1%	12.6%	16.5%	18.3%	15.3%
Asian	<i>Asian/Pac. Islanders not separated before 2007-08</i>				14.7%
Pacific Islander	<i>Asian/Pac. Islanders not separated before 2007-08</i>				26.7%
African American/Black	33.6%	25.4%	36.6%	23.6%	32.5%
Hispanic	34.7%	29.8%	31.9%	29.5%	29.6%
Native American	39.9%	36.0%	39.3%	39.9%	40.8%
Caucasian	18.7%	16.9%	18.3%	18.6%	18.7%



Meeting state assessment requirements doesn't guarantee graduation

Percentage of students meeting standards in reading and writing

Group	Class of 2008		Class of 2009	
	Met Rdg & Wrt	On-Time Graduates	Met Rdg & Wrt	On-Time Graduates
Amer. Indian/Alaska Nat	85.9%	47.9%	87.2%	*
Asian	93.4%	80.5%	94.9%	*
Pacific Islander	86.0%	58.7%	83.2%	*
African-American/Black	86.8%	59.9%	88.7%	*
Hispanic	85.5%	60.4%	88.5%	*
Caucasian	93.4%	75.4%	94.0%	*
Multiracial	90.8%	56.3%	90.2%	*
All Students	92.0%	72.0%	93.0%	*

* Available after districts report graduates in Fall 2009

Meeting state assessment requirements doesn't guarantee graduation

Percentage of students meeting standards in reading and writing

	Class of 2008		Class of 2009	
Group	Met Rdg & Wrt	On-Time Graduates	Met Rdg & Wrt	On-Time Graduates
Low Income	87.4%	59.6%	89.7%	*
English Language Learner	63.5%	46.6%	69.5%	*
Special Education	76.9%	54.8%	81.9%	*

** Available after districts report graduates in Fall 2009*

REDESIGN OF STATE ASSESSMENTS FOR SPRING 2010



Legislative direction for redesign of assessments

ESSB 5414

Sec. 1 (7) “The superintendent of public instruction, *in consultation with the state board of education*, shall begin design and development of an overall assessment system that meets the principles and characteristics described in this section.”

Sec. 2 “The superintendent of public instruction shall:

“(1) Revise the number of open-ended questions and extended responses in the statewide achievement assessment in grades three through eight and ten to reduce the cost and time of administering the assessment while retaining validity and reliability of the assessment and retaining assessment of critical thinking skills.”

(italics added)

Reading item and point totals: 2006 through 2011

Reading -- 2006 thru 2008							
Item Type	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Link	20	20	22	22	24	24	26
SA	6	7	7	8	8	9	9
ER	2	2	2	2	2	2	2
Total Items	28	29	31	32	34	35	37
Total Points	40	42	44	46	48	50	52

Reading -- 2009							
Item Type	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Link	24	24	24	24	26	26	26
SA	6	6	7	7	7	7	9
ER	0	0	0	2	2	2	2
Total Items	30	30	31	33	35	35	37
Total Points	36	36	38	46	48	48	52

Reading -- 2010							
Item Type	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Link	26	26	26	30	30	30	35
SA	4	4	4	5	5	5	5
Total Items	30	30	30	35	35	35	40
Total Points	34	34	34	40	40	40	45

Reading -- 2011							
	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Link							
MC-Alone	26	26	26	30	30	30	35
CP							
SA	4	4	4	5	5	5	5
Total Items	30	30	30	35	35	35	40
Total Points	34	34	34	40	40	40	45

Key

- MC-Link 1-pt Mult. Choice - Linked to Passage/Scenario
- MC-Alone 1-pt Mult. Choice - Stand Alone
- CP 1-pt Completion Item (Linked or Stand Alone)
- SA 2-pt Short Answer
- ER 4-pt Extended Response

Mathematics item and point totals: 2006 through 2011

Math -- 2006 thru 2008							
Item Type	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Alone	23	21	21	27	27	27	27
SA	12	11	11	11	11	11	11
ER	0	3	3	4	4	4	4
Total Items	35	35	35	42	42	42	42
Total Points	55	55	55	65	65	65	65

Math -- 2009							
Item Type	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Alone	22	22	22	32	32	32	27
SA	8	8	8	8	8	8	11
ER	0	0	0	2	2	2	4
Total Items	30	30	30	42	42	42	42
Total Points	38	38	38	50	50	50	65

Math -- 2010 and 2011 (except HS in 2011 is EOC)							
	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Alone	20	20	20	25	25	25	35
CP	6	6	6	5	5	5	0
SA	4	4	4	5	5	5	5
Total Items	30	30	30	35	35	35	40
Total Points	34	34	34	40	40	40	45

Key

- MC-Link 1-pt Mult. Choice - Linked to Passage/Scenario
- MC-Alone 1-pt Mult. Choice - Stand Alone
- CP 1-pt Completion Item (Linked or Stand Alone)
- SA 2-pt Short Answer
- ER 4-pt Extended Response



Science item and point totals: 2006 through 2011

Science -- 2006 thru 2008							
	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Link MC-Alone			21			28	28
SA			10			11	11
ER			2			3	3
Total Items			33			42	42
Total Points			49			62	62

Science -- 2009							
	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Link MC-Alone			21			28	28
SA			8			7	11
ER			0			2	3
Total Items			29			37	42
Total Points			37			50	62

Science -- 2010 (2011 in Gr 5 & 8 and 2012 in HS are TBA with New Standards)							
	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	HS
MC-Link MC-Alone			26			30	35
CP			0			0	0
SA			4			5	5
Total Items			30			35	40
Total Points			34			40	45

Key

- MC-Link 1-pt Mult. Choice - Linked to Passage/Scenario
- MC-Alone 1-pt Mult. Choice - Stand Alone
- CP 1-pt Completion Item (Linked or Stand Alone)
- SA 2-pt Short Answer
- ER 4-pt Extended Response

Test reliability remained stable with the 2009 reduced points in Gr. 3-8

			Gr. 3	Gr. 4	Gr. 5	Gr. 6	Gr. 7	Gr. 8		HS
Reading	2008	# Pts	40	42	44	46	48	50		52
		Rel.	0.89	0.88	0.87	0.87	0.88	0.88		0.87
	2009	# Pts	36	36	38	46	48	48		52
		Rel.	0.86	0.86	0.85	0.87	0.88	0.86		0.86
Math	2008	# Pts	55	55	55	65	65	65		65
		Rel.	0.88	0.90	0.89	0.90	0.92	0.92		0.91
	2009	# Pts	38	38	38	50	50	50		65
		Rel.	0.87	0.87	0.86	0.90	0.91	0.89		0.91
Science	2008	# Pts			49			62		62
		Rel.			0.88			0.92		0.89
	2009	# Pts			37			50		62
		Rel.			0.84			0.87		0.91

Assessment Changes for Spring 2010
Measurements of Student Progress -- Reading and Mathematics

READING MSP (Gr 3-8)

Alignment to Stds	2010 Reading MSP aligned to current reading content standards Scores and scales have same meaning as previous assessments
Test Length Shortened	Gr 3-5: Single testing session ~75 min. Gr 6-8: Single testing session ~90 min.
Shorter Reading Passages	Word count about 100 words/grade level
Reduction of CR items	No 4-point constructed response (CR) items No more than 25% of points from 2-pt items
New Item Types	Introduction of 1-point "Completion" items in 2011 Introduction of "Stand Alone" multiple-choice items in 2011
Later Test Window	5 week window for online reading tests (May 3-June 4) 2-1/2 week window for paper/pencil reading tests (May 12-28) Student score reports to districts Aug 16
Online testing	Online testing voluntary in Grades 6-8 in 2010 Online testing voluntary in Gr. 5 and 4 in 2011 and 2012, respectively

MATH MSP (Gr 3-8)

Alignment to Stds	2010 Math MSP aligned to new (2008) math content standards New cut scores and scales established by State Board in Summer 2010
Test Length Shortened	Gr 3-5: Single testing session ~75 min. Gr 6-8: Single testing session ~90 min.
Reduction of CR items	No 4-point constructed response (CR) items No more than 25% of points from 2-pt items
New Item Types	Introduction of 1-point "Completion" items in 2010
Later Test Window	5 week window for online math tests (May 3-June 4) 2-1/2 week window for paper/pencil math tests (May 12-28) 2010 score reports delayed due to std setting
Online testing	Online testing voluntary in Grades 6-8 in 2010 Online testing voluntary in Gr. 5 and 4 in 2011 and 2012, respectively



Assessment Changes for Spring 2010
Measurements of Student Progress -- Writing and Science

WRITING MSP (Gr 4 & 7)

Alignment to Stds	2010 Writing MSP aligned to current content standards Scores and scales have same meaning as previous assessments
Test Length Unchanged	Gr 4 and 7: Two Writing Sessions ~120 min. each
Later Test Window	2-1/2 week window for paper/pencil writing tests (May 12-28) Student score reports to districts Aug. 16
Online testing	Gr. 7 and 4 online testing researched in 2009-10 and 2010-11, respectively Online testing voluntary in Gr. 7 in 2011

SCIENCE MSP (Gr 5 & 8)

Alignment to Stds	2010 Science MSP aligned to old (2008) content standards Scores and scales have same meaning as previous assessments 2011 Science MSP will align to new (2009) content standards
Test Length Shortened	Gr 3-5: Single testing session ~75 min. Gr 6-8: Single testing session ~90 min.
Reduction of CR items	No 4-point constructed response (CR) items No more than 25% of points from 2-pt CR items
New Item Types	Introduction of 1-point "Completion" items in 2011
Later Test Window	2-1/2 week window for paper/pencil science tests (May 12-28) Student score reports to districts Aug 16
Online testing	Online testing voluntary in Gr. 5 and 8 in 2011



Assessment Changes for Spring 2010
High School Proficiency Exams -- Reading and Mathematics

READING HSPE

Alignment to Stds	2010 Reading HSPE aligned to current reading content standards Scores and scales have same meaning as previous assessments
Test Length Shortened	Total testing time ~120 min. May be given in one or two sessions (single-day testing)
Shorter Reading Passages	Word count about 1,000 words/passage
Reduction of CR items	No 4-point constructed response (CR) items No more than 25% of points from 2-pt items
New Item Types	Introduction of 1-point "Completion" items in 2011 Introduction of "Stand Alone" multiple-choice items in 2011
Test Window (No Late Window in HS)	Paper/Pencil test given March 16 Student score reports to districts before June 10 (Seniors by June 1)
Online testing	No online testing with HSPE until 2011 Online testing voluntary in 2011

MATHEMATICS HSPE

Alignment to Stds	2010 Math HSPE aligned to old math content standards End-of-Course tests begin in 2011; will be aligned to new content stds
Test Length Shortened	Total testing time ~120 min. May be given in one or two sessions (single-day testing)
Reduction of CR items	No 4-point constructed response (CR) items No more than 25% of points from 2-pt items
Test Window (No Late Window in HS)	Paper/Pencil test given April 13 Student score reports to districts before June 10 (Seniors by June 1)
Online testing	No online testing with HSPE until 2011 Online test for "Common Core" test; EOC is P/P given in intact classrms



Assessment Changes for Spring 2010
High School Proficiency Exams -- Writing and Science

WRITING HSPE

Alignment to Std's	2010 Writing MSP aligned to current content standards Scores and scales have same meaning as previous assessments
Test Length Unchanged	Two Writing Sessions ~120 min. each
Test Window (No Late Window in HS)	Paper/Pencil test given March 17, 18 Student score reports to districts before June 10 (Seniors by June 1)
Online testing	Online testing researched in 2009-10 Online testing voluntary in 2011

SCIENCE HSPE

Alignment to Std's	2010 and 2011 science HSPE aligned to old (2008) content standards Scores and scales have same meaning as previous assessments 2012 Science HSPE will align to new standards
Test Length Shortened	Total testing time ~120 min. May be given in one or two sessions (single-day testing)
Reduction of CR items	No 4-point constructed response (CR) items No more than 25% of points from 2-pt items
Test Window (No Late Window in HS)	Paper/Pencil test given April 15 Student score reports to districts Aug 16
Online testing	No Online Testing until 2012



Rollout Schedule for Online Testing

READING	Measurements of Student Progress						High School Proficiency Exams
	Gr 3	Gr 4	Gr 5	Gr 6	Gr 7	Gr 8	
2010	P/P	P/P	P/P (*)	Online	Online	Online	P/P (*)
2011	P/P (*)	P/P (*)	Online	Online	Online	Online	Online
2012	P/P (*)	Online	Online	Online	Online	Online	Online

MATHEMATICS	Measurements of Student Progress						High School Proficiency Exams
	Gr 3	Gr 4	Gr 5	Gr 6	Gr 7	Gr 8	
2010	P/P	P/P	P/P (*)	Online	Online	Online	P/P (*)
2011	P/P (*)	P/P (*)	Online	Online	Online	Online	P/P E-O-C Online Retest
2012	P/P (*)	Online	Online	Online	Online	Online	P/P E-O-C Online Retest

WRITING	Measurements of Student Progress		High School Proficiency Exams
	Gr 4	Gr 7	
2010	P/P	P/P (*)	P/P (*)
2011	P/P (*)	Online	Online
2012	P/P (*)	Online	Online

SCIENCE	Measurements of Student Progress		High School Proficiency Exams
	Gr 5	Gr 8	
2010	P/P	P/P	P/P
2011	Online	Online	P/P
2012	Online	Online	Online

Key

- p/p = Paper/Pencil
- (*) = Research Online
- = 25% Online
- = 50% Online
- = 80% Online
- = 100% Online



TECHNICAL ANALYSES FOR 2010

ALIGNMENT STUDIES, EQUATING & STANDARD SETTING



Alignment Studies

For a state test to be Federally approved, the state must provide evidence that the test is aligned to the state's content standards. This requirement is consistent with the *Standards for educational and psychological testing* (AERA, 1999).

- Alignment studies will be conducted for the tests that will have been redesigned for 2010: Reading (Gr 3-8, HS), Mathematics (HS), and Science (Gr. 5, 8, HS)
- A separate alignment study will be conducted for the new Grade 3-8 Mathematics tests, which have been designed to align to the new math content standards.

Equating, scaling, and linking requirements for 2010

	Gr 3	Gr 4	Gr 5	Gr 6	Gr 7	Gr 8	HS
Read	Equate 2010 to 2009	Equate 2010 to 2009	Equate 2010 to 2009	Equate 2010 to 2009			
				Equate Online to P/P	Equate Online to P/P	Equate Online to P/P	
Math	Build new '10 scale and cuts	Build new '10 scale and cuts	Build new '10 scale and cuts	Build new '10 P/P scale and cuts	Build new '10 P/P scale and cuts	Build new '10 P/P scale and cuts	Equate 2010 to 2009
				Equate Online to P/P	Equate Online to P/P	Equate Online to P/P	
	Concordance betw. '09 and '10	Concordance betw. '09 and '10	Concordance betw. '09 and '10				
Science			Equate 2010 to 2009			Equate 2010 to 2009	Equate 2010 to 2009



Test development and standard setting: New Gr. 3-8 Math-MSP in 2010

Date	Event
April 2008	New Gr 3-8 math standards approved
May 2008	Analysis of "assessible" standards
Summer 2008	Item writing for new assessments
Oct 2008	NTAC reviews plan for test/Item development
Nov 2008	Field review of test map
Dec 2008	Tests for Spg '09 built; New items added as pilots
April 2009	Spg '09 WASL; New Items Piloted
Sept 2009	Development of Performance Level Descriptors (PLDs)
Sept/Oct 2009	SBE and NTAC updated on plan
Oct 2009	Tests for Spg 2010 built
Winter '09/'10	Teachers from across state trained on PLDs
Spring '10	NTAC and SBE formally approve standard setting plan
April 2010	Teachers use PLDs to provide ratings of students
May 2010	Spg '10 MSP administered in grades 3-8
July/Aug 2010	Standard setting events <ul style="list-style-type: none"> - Grade-level panels (Use "Bookmark process", Start with tchr ratings) "Articulation panel" recommendations (A "system" of math tests) "Policy panel" recommendations (External contexts: NAEP, SAT, other content areas) NTAC certifies the planned process was followed
Aug 10, 2010	SBE Sets Achievement Standards (Reviews all recommendations)



“Contrasting Groups” method affords broader involvement in standard setting

Everyone in the state who teaches math in grades 3-8 is invited to help set standards on the new MSP-Math

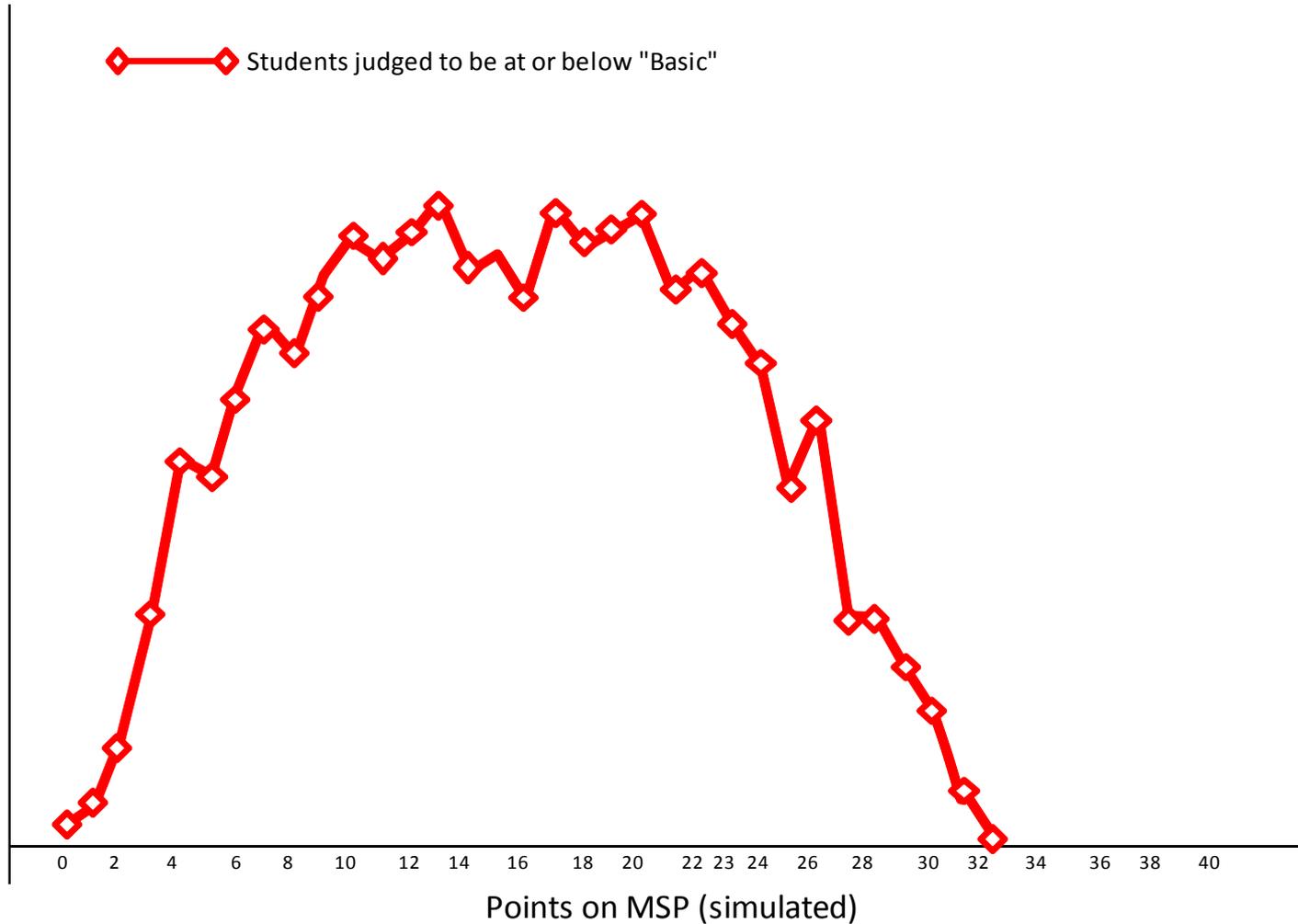
- Performance Level Descriptors (PLDs) are developed for what it means to be “Basic” and “Proficient”
- Web-based training on PLDs is provided to participating teachers
- In April, participating teachers judge each of their students as being “Basic or below” or “At or above Proficient”
- After students take the tests, and they are scored, two distributions of scores are produced: Scores obtained by students rated as “Basic”, and scores for “Proficient”
- The place where the two distributions merge represents the separation point between “Basic” and “Proficient.” The standard setting panels are provided this information at the outset of their deliberations.

“Contrasting Groups” included in plan

Date	Event
April 2008	New Gr 3-8 math standards approved
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Aug 10, 2010	SBE Sets Achievement Standards (Reviews all recommendations)



Students rated as “At or below Basic” using criteria in PLD for Basic



Students rated as “Proficient or above” using criteria in PLD for Proficient



Intersection indicates a region for where “Basic” separates from “Proficient”

