

2015 Smarter Balanced Assessment Results and Student Growth Discussion

August 26, 2015

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Director of Student Information

OSPI



OFFICE OF SUPERINTENDENT OF PUBLIC INSTRUCTION

Division of Assessment and Student Information

Annual State Assessment Score Release

Aug. 17, 2015

Supt. Randy Dorn

Deputy Supt. Gil Mendoza



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2015 results will set a new baseline of student performance in Washington

- ▶ Think of the standards and the assessment as a new targets with new results.... envision two mountains:

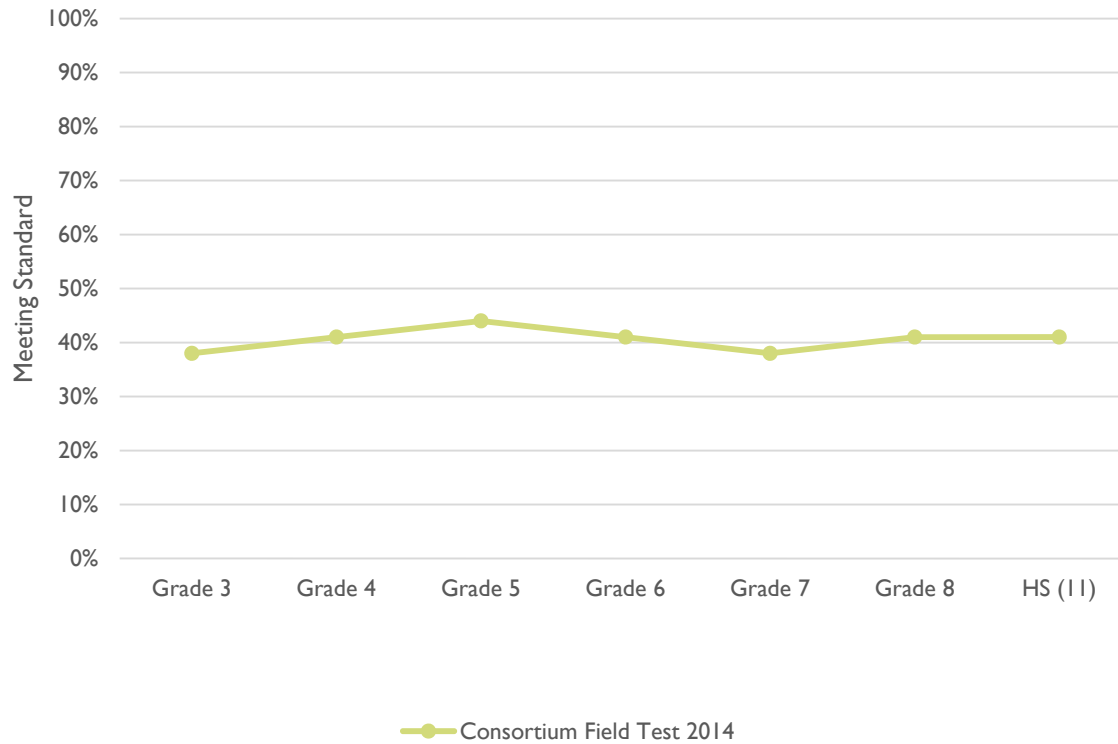


- ▶ People who successfully climb Mt Rainer (at 14,000 ft), will find Mt McKinley (at 20,000 ft) more challenging.
- ▶ Some will be able to meet the challenge, some will be close and some who previously were able to summit Rainier will not be able to summit McKinley at first.

Consortium-wide 2014 Scores on Smarter Balanced ELA Field Test

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English Language Arts



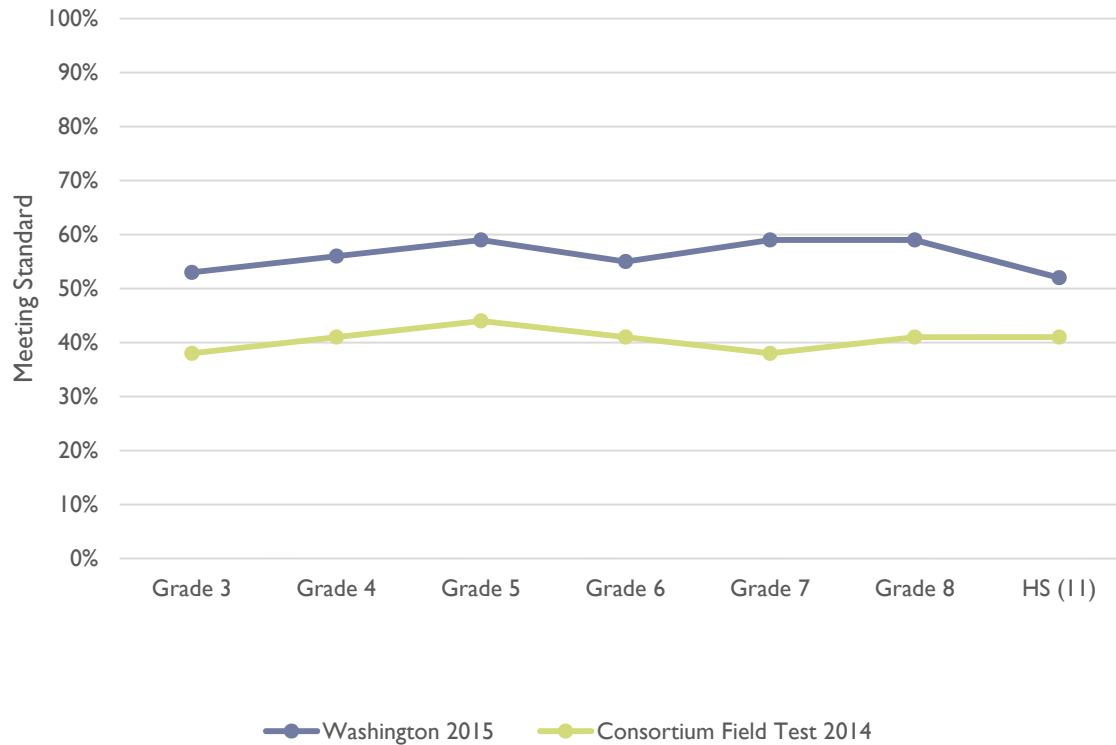
English Language Arts	
Grade	Field test
Grade 3	38%
Grade 4	41%
Grade 5	44%
Grade 6	41%
Grade 7	38%
Grade 8	41%
HS (11)	41%



Statewide 2015 Scores on Smarter Balanced ELA Test

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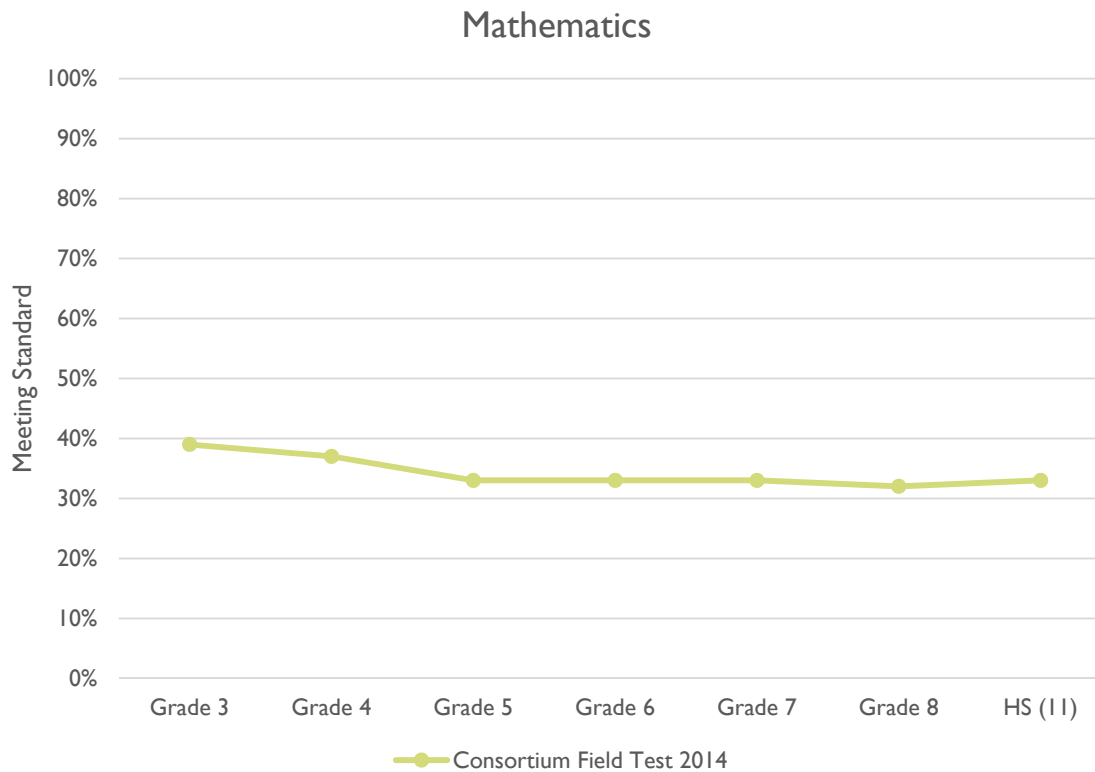
English Language Arts



English Language Arts		
Grade	Proficient	Field test
Grade 3	53%	38%
Grade 4	56%	41%
Grade 5	59%	44%
Grade 6	55%	41%
Grade 7	59%	38%
Grade 8	59%	41%
HS (11)	52%	41%



Consortium-wide 2014 Scores on Smarter Balanced Math Field Test

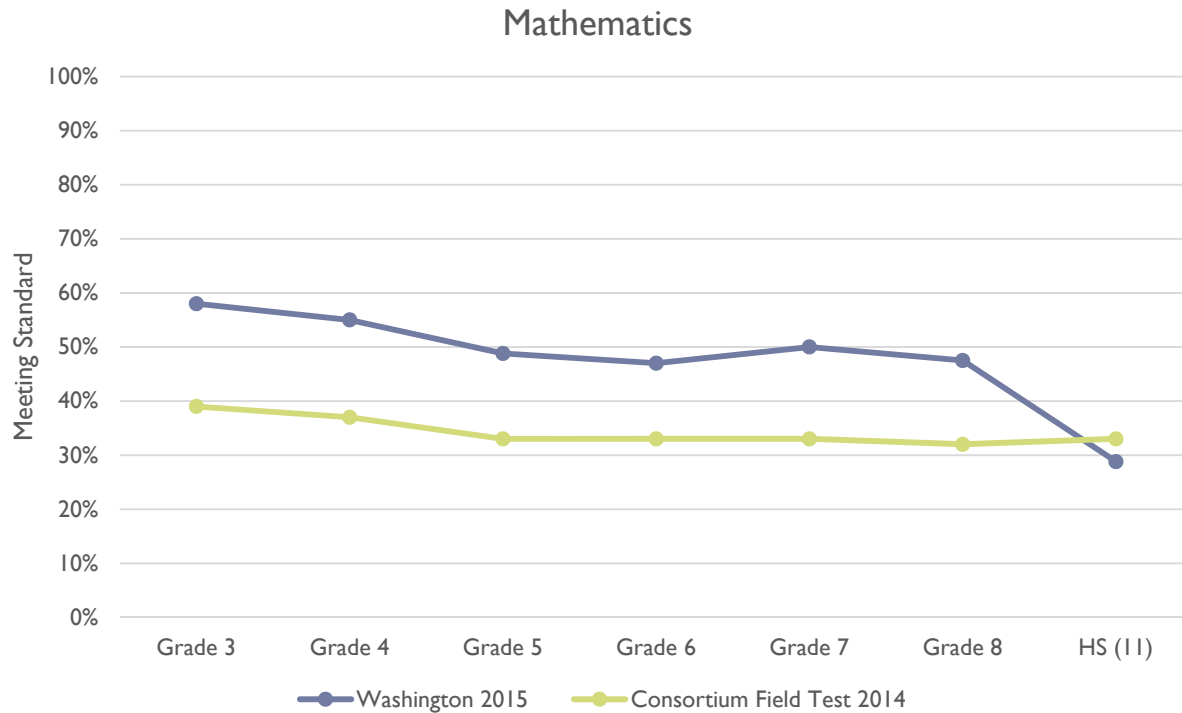


Mathematics	
Grade	Field test
Grade 3	39%
Grade 4	37%
Grade 5	33%
Grade 6	33%
Grade 7	33%
Grade 8	32%
HS (11)	33%



Statewide 2015 Scores on Smarter Balanced Math Tests

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Mathematics		
Grade	Proficient	Field test
Grade 3	58%	39%
Grade 4	55%	37%
Grade 5	49%	33%
Grade 6	47%	33%
Grade 7	50%	33%
Grade 8	48%	32%
HS (11)	29%	33%



Washington's 2015 Proficiency Rates on Smarter Balanced Tests

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	English Language Arts	Mathematics
Grade	Proficiency of Tested Students	Proficiency of Tested Students
Grade 3	53%	58%
Grade 4	56%	55%
Grade 5	59%	49%
Grade 6	55%	47%
Grade 7	59%	50%
Grade 8	59%	48%
HS (11)	52%	29%

These results do not include refusals



Smarter Balanced Participation Rates (95% required for AYP)

	ELA Participation	Math Participation
	Percent	Percent
Grade 3	98.2%	98.1%
Grade 4	98.1%	98.1%
Grade 5	98.1%	98.1%
Grade 6	98.0%	97.8%
Grade 7	97.3%	97.3%
Grade 8	96.9%	96.6%
Grade 10	97.1%	NA
Grade 11	53.3%	49.6%
Grade 3-8 & 11 (AYP)	91.6%	90.9%



Impact of Refusals on Proficiency Rates

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	English Language Arts			Mathematics	
Grade	Proficiency of Tested Students	Proficiency of All Enrolled		Proficiency of Tested Students	Proficiency of All Enrolled
Grade 3	53%	52%		58%	57%
Grade 4	56%	55%		55%	54%
Grade 5	59%	58%		49%	48%
Grade 6	55%	54%		47%	46%
Grade 7	59%	57%		50%	48%
Grade 8	59%	57%		48%	46%
HS (11)	52%	26%		29%	14%



Proficiency and Index Values

	ELA	Index Value	Math	Index Value
SB 7th State 2015	56.7	6	48	5
MSP 7th State 2014	67.7	7	57.8	6

% Met Standard	Rating	% Met Standard	Rating
▪ 90 - 100%	10	▪ 40 - 49.9%	5
▪ 80 - 89.9%	9	▪ 30 - 39.9%	4
▪ 70 - 79.9%	8	▪ 20 - 29.9%	3
▪ 60 - 69.9%	7	▪ 10 - 19.9%	2
▪ 50 - 59.9%	6	▪ 0 - 9.9%	1

High School SGPs



2013-14 and Prior Years

- Reading SGPs
 - ✦ 8th Grade MSP and 10th Grade HSPE
- Math SGPs
 - ✦ 8th Grade MSP and 9th or 10th Grade EOC
- 1- or 2-Year SGP

2014-15 and Future Years

- ELA SGPs
 - ✦ 8th Grade SBAC and 10th Grade or 11th Grade SBAC
- Math SGPs
 - ✦ 8th Grade SBAC and 11th Grade HS SBAC *or 9th or 10th Grade EOC*
- 2- or 3-Year SGP
 - ✦ Computation is possible
 - ✦ But what does it mean?



What the Experts Say



- **Dr. Damian Betebenner (January 2015)**

“You’re right, one can definitely calculate growth over a 3 year span...but it’s suitability for “annual” accountability purposes is likely very limited.”

- **Richard Wenning (June 2015)**

“I’m pretty sure the SGPs can be calculated 8-11 but the more relevant matter is probably what relevant inferences could be drawn from the quantities...Might be useful for system-wide evaluation.”



Student Growth Considerations

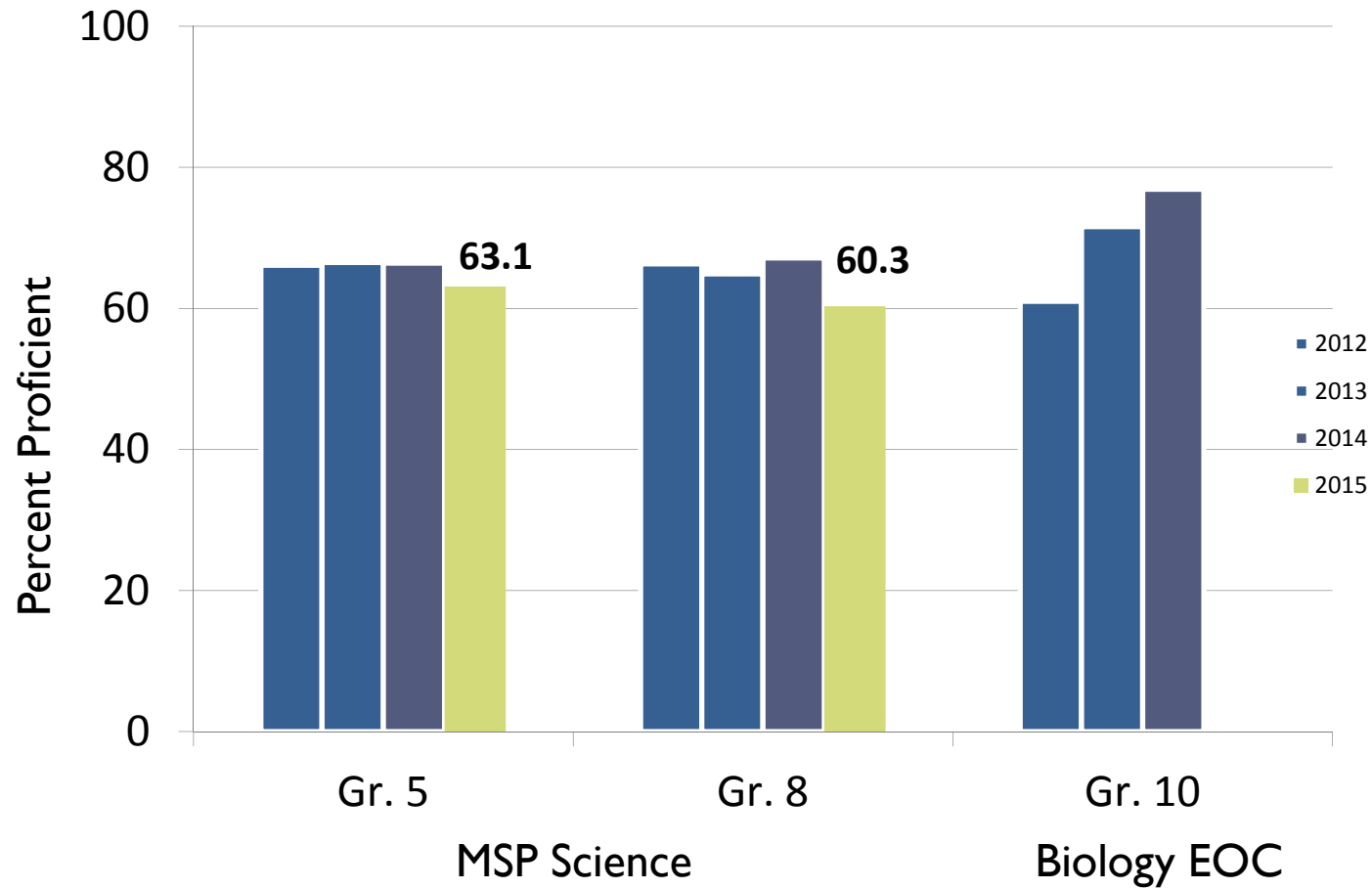
- Suitability for accountability during transition?
- Change: to Common Core State Standards
- Change: Reading to English Language Arts
- No scores for some: ~35% of students don't have scores available from spring 2014 due to Smarter Balanced field test
- Variability and selection bias: Who will have an SGP?
Is that appropriate representation?
 - Continuously enrolled (1, 2, or 3 years)
 - Did not take SB field test
 - Timing of End-of-Course algebra
- Communication communication communication.

Using Student Growth Percentiles During the Assessment Transition: Technical, Practical, and Political Implications (Betebenner et al., 2014)

- “The interpretation of growth results relative to the difficulty and complexity of the new content being assessed by the Common Core State Standards (CCSS) will need to be evaluated and considered by states opting to use those results to support accountability inferences.”
- “The baseline-referenced norm group approach will need to be suspended until the baseline years can be reset using data from the same assessment system. This will likely require waiting until 2016-17 to report baseline-referenced SGPs.”
- “State will need to find time and resources to dedicate to carefully examine impact data in order to build defensible accountability systems.”
- “Evaluating impact data to help support decisions on how to best use and report growth during the transition period is critical and will require both resources and time for states to consider accountability reporting options. Such analyses would include comparing any SGP and aggregate SGP calculations from 2015 with previous SGP results to gain an understanding of how different types of students and schools perform in 2015 compared to prior years.”
- “As states receive the first year of Smarter Balanced data, all states will need to conduct analyses to ensure that growth can be calculated from their prior tests to the current Smarter Balanced tests. “

MSP Science – Grades 5 and 8

(HS Biology delayed)



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Today's Topics

- ▶ **Smarter Balanced Results**
 - ▶ Statewide by Grade and Content
 - ▶ Participation and Refusal Rates
- ▶ **Science Results (grades 5 & 8)**

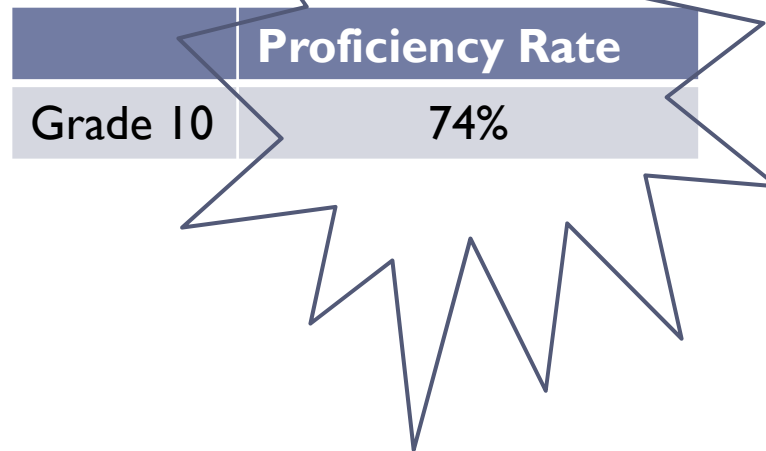


ELA Smarter Balanced College and Career Ready Proficiency Rates

ELA	Proficiency Rate
HS – grades combined	66%
Grade 10 (with 97% participation)	74%
Grade 11 (with 53% participation)	52%

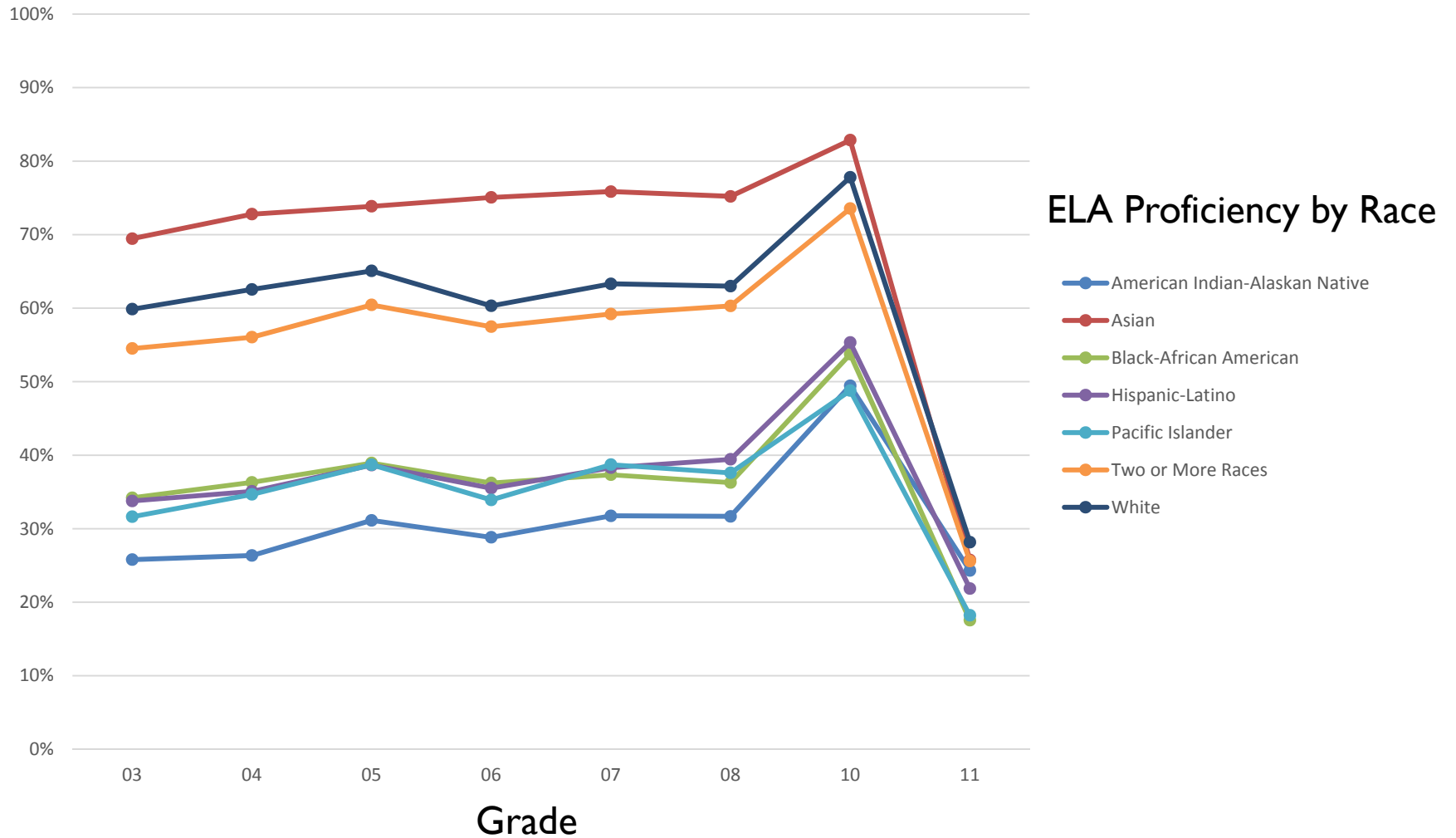


ELA Smarter Balanced College and Career Ready Proficiency Rates



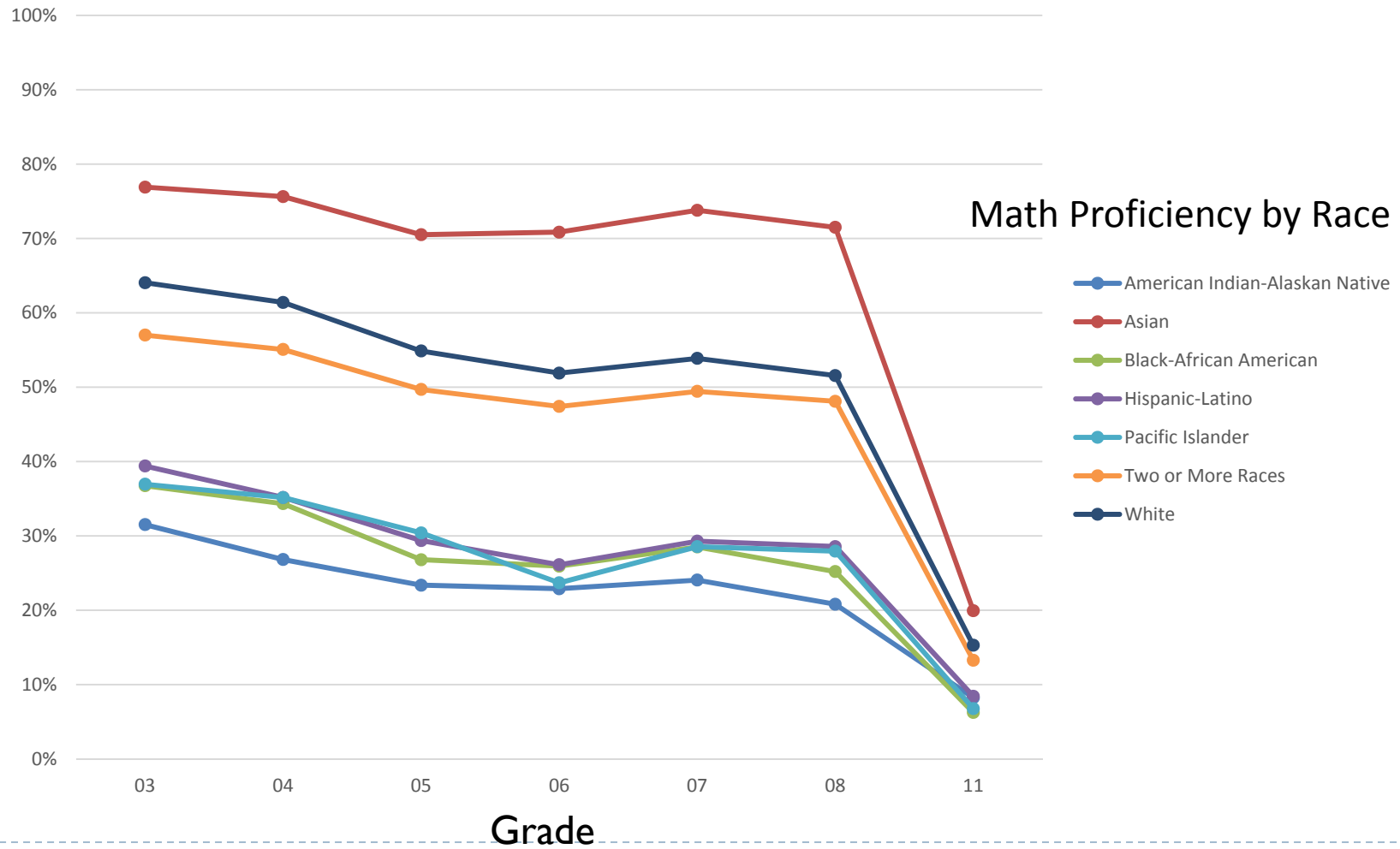
2015 Proficiency by Race for Smarter Balanced ELA

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2015 Proficiency by Race for Smarter Balanced Math

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Test Format for Smarter Balanced Tests

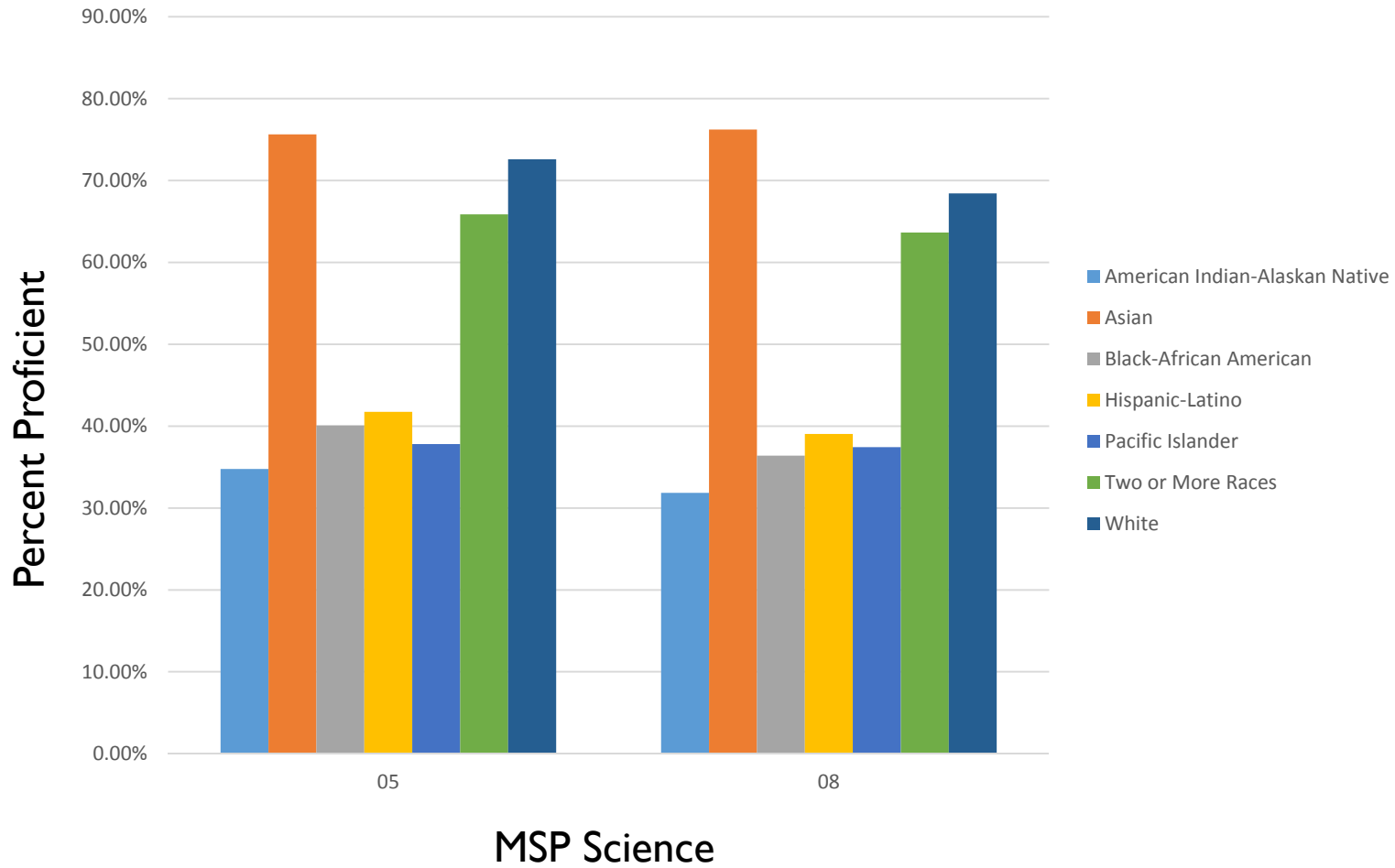
	ELA Online	ELA Paper		Math Online	Math Paper
Grades 3-5	97%	3%		97%	3%
Grades 6-8	98%	2%		98%	2%
Grade 10	74%	26%		NA	NA
Grade 11	96%	4%		97%	3%
All Grades	95%	5%		98%	2%

Districts were charged \$6 per test for paper/pencil testing, except in grade 10



MSP Science by Race

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Status on Assessment Graduation Requirements

2015 Proficiency on New Math EOC Exit Exams

	2015 Percent	Avg 2012, 2013 & 2014
Year 1 Math – Alg I/ Int I	57%	57%
Year 2 Math – Geo/Int 2	68%	69%



Subgroup Performance on Math EOCs

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% meeting exit exam standard	Race						
	American Indian	Asian	Black	Hispanic	More Than One Race	Pacific Islander	White
2015 Math Year 1 EOC	38%	66%	39%	46%	59%	42%	66%
2015 Math Year 2 EOC	57%	73%	54%	60%	72%	60%	75%
3 Yr Historical Comparison							
Math Year 1 EOC	35%	75%	35%	40%	59%	39%	64%
Math Year 2 EOC	49%	81%	45%	51%	71%	46%	77%



ELA and Math Exit Exam Threshold Scores Adopted by State Board

Smarter Balanced	Threshold Score	Grade 11	Grade 10
English Language Arts	2548 Level 2	61.2%	80.1%
Math	2595 Level 2	37.8%	NA

ELA	2299-2492	2493-2582	2583-2681	2682-2795
High School Score Ranges	Level 1	Level 2	Level 3	Level 4
Math	2280-2542	2543-2627	2628-2717	2718-2862



Progress Report for Class of 2015-12th Graders (as of August 11, 2015 CEDARS)*

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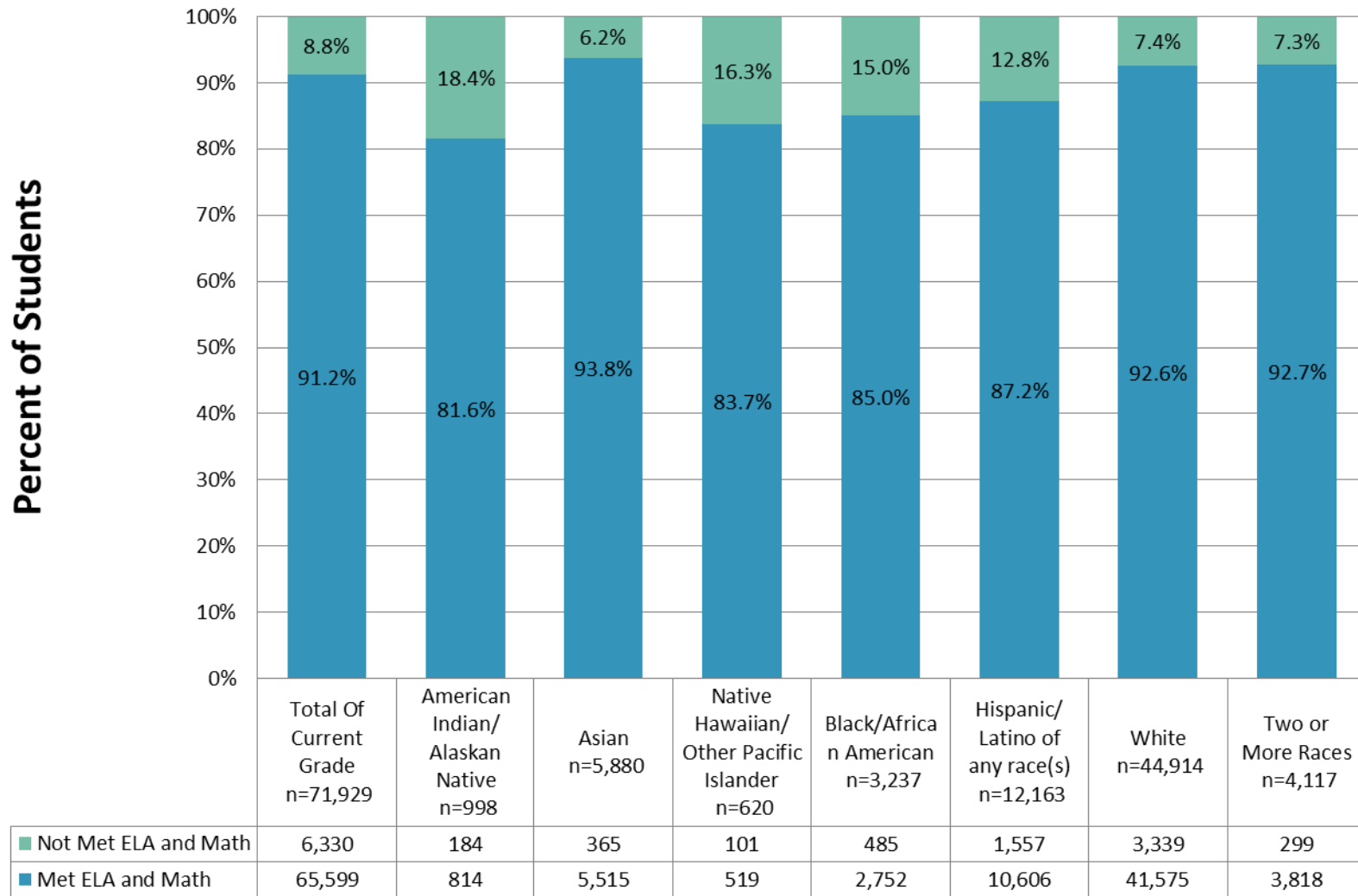
Class of 2015 Grade 12	Fulfilled Requirement			Have Not Fulfilled Requirement		
	91.2%			8.8%		
	65,599			6,330		
	Met ELA and Math		Special Waiver	Need Math	Need ELA	Need Both
Certificate of Academic Achievement	Certificate of Individual Achievement					
71,929	59,589	4,927	1,083	1,549	1,242	3,539
	82.8%	6.8%	1.5%	2.2%	1.7%	4.9%

*High School Graduation Requirement for students in the class of 2015 is to meet standard on both an ELA and Math Assessment.



Progress Report for Class of 2015-12th Graders

Percent of students meeting standard in ELA and math by race



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Questions?

