



## THE WASHINGTON STATE BOARD OF EDUCATION

*A high-quality education system that prepares all students for college, career, and life.*

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<b>Title: Threshold Scores for Tenth Grade English Language Arts and Math Assessments</b>	
<b>As related to:</b>	<input type="checkbox"/> <b>Goal One:</b> Develop and support policies to close the achievement and opportunity gaps. <input type="checkbox"/> <b>Goal Two:</b> Develop comprehensive accountability, recognition, and supports for students, schools, and districts. <input checked="" type="checkbox"/> <b>Goal Three:</b> Ensure that every student has the opportunity to meet career and college ready standards. <input type="checkbox"/> <b>Goal Four:</b> Provide effective oversight of the K-12 system. <input type="checkbox"/> <b>Other</b>
<b>Relevant to Board roles:</b>	<input type="checkbox"/> Policy leadership <input checked="" type="checkbox"/> System oversight <input type="checkbox"/> Advocacy <input type="checkbox"/> Communication <input type="checkbox"/> Convening and facilitating
<b>Policy considerations / Key questions:</b>	Do the recommended threshold scores, and the process by which they were established, seem reasonable and fair to students?
<b>Relevant to business item:</b>	The Board will consider approving threshold scores on the tenth grade math and English language arts (ELA) statewide assessments.
<b>Materials included in packet:</b>	Presentation from the Office of the Superintendent of Public Instruction.
<b>Synopsis:</b>	<p>Legislation in 2017 (ESHB 2224) established that the year that most high school students will take statewide assessments will be tenth grade, rather than eleventh grade. New threshold scores for ELA and math must be approved by the Board for the tenth grade test. These scores define the cuts between Level 1 and Level 2, Level 2 and Level 3, and between Level 3 and Level 4. The score between Levels 2 and 3 is the career- and college-ready score. If a student scores at a Level 3 or higher, they are considered on-track for career- and college-readiness by the time they graduate. ESHB 2224 directed the State Board of Education, in consultation with the Office of the Superintendent of Public Instruction, to identify and report to the Legislature on the performance standard for tenth graders to be on-track for career and college readiness by December 1, 2018. This agenda item and associated business item addresses the Legislative directive of consulting with OSPI and identifying the on-track for career- and college-readiness performance standard. A report to the Legislature will be submitted by November 2018.</p> <p>The Board will be updated on work OSPI has done in partnership with the Smarter Balanced Consortium. OSPI staff will also present a recommendation on threshold scores, including the score on the tenth grade assessment that indicates a student is on-track for career and college readiness. The Board will hear from Dr. Deb Came, Assistant Superintendent for OSPI; Dr. Tony Alpert, Executive Director of the Smarter Balanced Consortium; and, Dr. Tom Hirsch of Assessment and Evaluation Services, a consultant for OSPI.</p> <p>Members may wish to review the September and November 2017 Board meeting materials: November materials (OSPI Presentation): <a href="#">Update on High School Assessments 10<sup>th</sup> Grade Career- and College-ready Level and 2017 Participation Information</a> September SBE memo: <a href="#">House Bill 2224 (Providing flexibility in high school graduation requirements)—Update and Next Steps</a> September OSPI Presentation: <a href="#">10<sup>th</sup> Grade Smarter Balanced Assessments: On Track to College &amp; Career-Ready</a></p>

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# 10th Grade Smarter Balanced Assessments: On Track to College & Career-Ready

STATE BOARD OF EDUCATION – JANUARY 10, 2018



## RCW 28A.305.130

The State Board of Education shall...

(4)(b)(i) **Identify the scores students must achieve in order to meet the standard on the statewide student assessment. The board shall also determine student scores that identify levels of student performance below and beyond the standard.** The board shall set such performance standards and levels in consultation with the superintendent of public instruction and after consideration of any recommendations that may be developed by any advisory committees that may be established for this purpose;



## RCW 28A.305.130, continued (ESHB 2224)

(4)(b)(ii)(A) The legislature intends to continue the implementation of chapter 22, Laws of 2013, 2nd sp. sess. when the legislature expressed the intent for the state board of education to identify the student performance standard that demonstrates a student's career and college readiness for the eleventh grade consortium-developed assessments.

Therefore, by December 1, 2018, the state board of education, in consultation with the superintendent of public instruction, must identify and report to the governor and the education policy and fiscal committees of the legislature on **the equivalent student performance standard that a tenth grade student would need to achieve on the state assessments to be on track to be career and college ready** at the end of the student's high school experience;

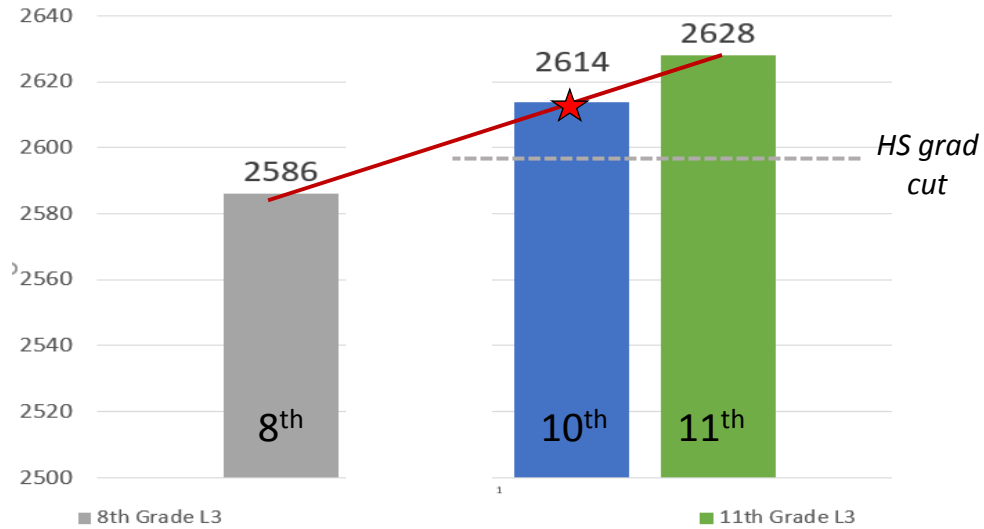


## Recommendations: 10<sup>th</sup> grade cut-scores

Math				ELA			
Grade	Level 2 Cut	Level 3 Cut	Level 4 Cut	Grade	Level 2 Cut	Level 3 Cut	Level 4 Cut
3	2381	2436	2501	3	2367	2432	2490
4	2411	2485	2549	4	2416	2473	2533
5	2455	2528	2579	5	2442	2502	2582
6	2473	2552	2610	6	2457	2531	2618
7	2484	2567	2635	7	2479	2552	2649
8	2504	2586	2653	8	2487	2567	2668
10	2533	2614	2697	10	2491	2577	2678
11	2543	2628	2718	11	2493	2583	2682



## Level 3 (meeting standard) cut-scores



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## Process

Timeline of Steps	
Conversations with Smarter Balanced	7/2017– 12/2017
OSPI Internal Test Review: Item Specifications, Standards, Test Blueprint	7/2017–10/2017
OSPI's Assessment National Technical Advisory Committee	9/7/2017
SBE meeting	9/14/2017
Online advisory panel of WA educators and content experts	9/2017– 10/2017
In-person advisory workgroup of WA educators	10/17–18/2017
In-person Smarter Balanced grade 10 cut-score validation	11/2-3/2017
<ul style="list-style-type: none"> <li>Includes educators from multiple Smarter Balanced consortium states</li> </ul>	



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## Changing from 11<sup>th</sup> grade to 10<sup>th</sup> grade test: Issues around Content and Standards

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**MATH** Which standards would be exclusive to a third year of high school math, that we would not necessarily expect a 10<sup>th</sup> grader to know?

We do want to allow for more complex concepts that 10<sup>th</sup> graders might have seen.

### **ENGLISH LANGUAGE ARTS**

What is appropriate depth and text complexity?



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## Cut-Score Validation

Focused on Grades 9 and 10



Smarter Balanced Staff Recommendation  
December 2017



## Contextual Information Standard Setting - 2014

- Focused on Grades 3-8 and 11
- ELA/literacy and Mathematics
- Included grade specific In-Person Workshop (~500 participants) and Online Panel (~2000 participants)
- Included an in-Person Cross-Grade Review Panel comprised of In-Person Grade Specific panel participants



## Contextual Information Validation Workshop -- November 2017

- Smarter Balanced derived draft cut scores for 9<sup>th</sup> and 10<sup>th</sup> grade based on the adopted 8<sup>th</sup> and 11<sup>th</sup> grade cut scores
- Smarter Balanced then hosted an In-Person Workshop to validate the draft cut scores for grades 9 and 10
- This review used a bookmarking method very similar to the process used in 2014
- The bookmarking process asks educators to find the items that are just at threshold of students' ability for each level of performance that requires cut-scores



## 9<sup>th</sup> and 10<sup>th</sup> Grade Cut-Score Validation

- For mathematics, WA removed some items that measure content for which they would expect most students would not have the opportunity to learn by the 10<sup>th</sup> grade
- As an additional verification, after the process concluded, participants reviewed the omitted items and declared whether had these items not been omitted, would their recommendations have changed



## English Language Arts/Literacy



## ELA Changes Based on Panel Recommendations

Before

Grade	Level 2 Cut	Level 3 Cut	Level 4 Cut
3	2367	2432	2490
4	2416	2473	2533
5	2442	2502	2582
6	2457	2531	2618
7	2479	2552	2649
8	2487	2567	2668
10	2491	2577	2677
11	2493	2583	2682

After

Grade	Level 2 Cut	Level 3 Cut	Level 4 Cut
3	2367	2432	2490
4	2416	2473	2533
5	2442	2502	2582
6	2457	2531	2618
7	2479	2552	2649
8	2487	2567	2668
10	<b>2491</b>	<b>2577</b>	<b>2678</b>
11	2493	2583	2682

*Panelists achieved consensus and made only minor changes to the draft calculated cut-scores*



## ELA/literacy Recommendation

- Smarter Balanced staff recommend that Washington adopt for grade 10 in English language arts/literacy the following cut scores

Level 2: 2491

Level 3: 2577

Level 4: 2678





## Mathematics



## Mathematics

- Panelists struggled to achieve consensus and were generally unable to recommend a set of cut-scores that they were confident were better than the drafts. However, they did not strongly endorse the drafts either.
- Some panelists expressed concern that their recommendations might differ based on whether or not students participated in an integrated or content specific math pathway.
- Panelists were informed that absent consensus to change, the drafts would remain.



## Mathematics (continued)

- Early in the process, panelists voted to change the level 2 cut from 2529 to 2533. This motion passed with 7 in favor 2 opposed and 1 abstention.
- The panelists' final vote was to adopt the draft cut-score for level 3. The motion passed with 8 in favor and 2 opposed.



## Mathematics Cut Scores

Before				After			
Grade	Level 2 Cut	Level 3 Cut	Level 4 Cut	Grade	Level 2 Cut	Level 3 Cut	Level 4 Cut
3	2381	2436	2501	3	2381	2436	2501
4	2411	2485	2549	4	2411	2485	2549
5	2455	2528	2579	5	2455	2528	2579
6	2473	2552	2610	6	2473	2552	2610
7	2484	2567	2635	7	2484	2567	2635
8	2504	2586	2653	8	2504	2586	2653
10	2529	2614	2697	10	<b>2533</b>	<b>2614</b>	2697
11	2543	2628	2718	11	2543	2628	2718



## Mathematics Recommendation

- Smarter Balanced staff recommend that Washington adopt for grade 10 in mathematics the following cut scores

Level 2: 2533

Level 3: 2614

Level 4: 2697



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