

# Oregon State Board of Education

June 23, 2016

<p><b>SUBJECT:</b> PSAT Math Essential Skills/OAR 581-22-0615 Assessment of Essential Skills</p> <p><b>STAFF NAME &amp; OFFICE:</b> Derek Brown and Mary Anderson, Assessment and Accountability</p> <p><b>SUMMARY:</b> To adopt the Essential Skills achievement standards for math on the revised PSAT math assessment section</p> <p><input type="checkbox"/> <b>New Rule</b>    <input type="checkbox"/> <b>Amend Existing Rule</b>    <input type="checkbox"/> <b>Repeal Rule</b></p>	<p><input type="checkbox"/> <b>Consent Agenda</b></p> <p><input type="checkbox"/> <b>First Reading</b></p> <p><input checked="" type="checkbox"/> <b>Action (Adoption)</b></p> <p><input type="checkbox"/> <b>Information</b></p>
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## BACKGROUND

The Assessment of Essential Skills Review Panel (AESRP) has the responsibility of recommending to the State Board of Education the achievement standards to be used for demonstrating proficiency in the Essential Skills and the State Board of Education has the responsibility of determining whether to adopt the Panel’s recommendations (OAR 581-22-0615).

The Essential Skills graduation requirements of proficiency in reading, writing, and math were adopted by the State Board of Education in June 2008. These requirements are applied to students earning a regular or modified diploma. The State Board of Education has adopted three primary assessment options by which students can demonstrate proficiency in each of the Essential Skills: State test; Other standardized tests (such as ACT, etc.); and Work Samples (local performance assessments scored using the official state scoring guides).

The State Board of Education approved the use of the PSAT reading and math sections as an option for demonstrating proficiency in the reading and math Essential Skills, respectively. In October 2015, College Board introduced changes to the PSAT.

### Math Revisions

Instead of including content from a wide array of math concepts the revised PSAT content will be primarily focused on real-world problem solving accompanied by informational graphics, the core concepts in algebra (linear equations and systems), and equations and manipulations that form the “passport to advanced math.” Students will no longer be penalized for guessing.

### Score Linking

A direct way of connecting the previously approved PSAT scores with the revised PSAT scores is through a concordance study.

Scores are considered concorded when the percentage of students achieving each score is the same. The following example clarifies how scores are concorded.

*If*

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- 80% of a group of students achieve a score of X on the old test, and
- 80% of the same group of students achieve a score of Y on the revised test or the replacement test

*Then*

- score X would be considered concorded to score Y

College Board completed a concordance study that included scores from more than three million students. The concordance study identified the scores on the revised PSAT that are concorded with Essential Skill achievement standards on the older version of PSAT.

## **AESRP's Recommendations**

The revisions to the PSAT along with the results from the concordance studies were reviewed by AESRP at their April and June 1 meetings. AESRP developed a recommendation regarding the use of the final concordance study for the math Essential Skills achievement standards on the revised PSAT at their June 1st meeting.

AESRP voted and recommended:

- The adoption of the revised PSAT math test as an assessment option for the math Essential Skill with an achievement standard score of 24.5.

This achievement standard would be effective immediately for students who have test scores on the revised PSAT and plan to graduate in 2017 or later. The achievement standard of 24 was approved by the State Board in May for students pursuing graduation in 2016. If a student is pursuing graduation in 2016 but does not graduate in 2016, then that student would need to meet PSAT achievement standard of 24.5.

## **SUMMARY OF PREVIOUS BOARD ACTION**

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The board adopted the original PSAT scores for reading and math as an option for demonstrating proficiency in the Essential Skill of reading and math, respectively.

Additionally, for the purpose of Essential Skills achievement standards, the board has adopted scores produced through concordance studies on several occasions. Most recently, this included adopting the scores for the revised writing portion of the ACT that were concorded with original version of this test.

In April, AESRP recommended and the State Board approved the adoption of the following achievement standards on the revised PSAT for students pursuing graduation in 2016 and stipulated that this score would be approved for all students if the same score were identified in the final concordance study: 24 on the revised PSAT reading test and 24 on the revised PSAT math test.

In May, College Board released the results of the final concordance study and the preliminary and final concordance study resulted in the same score for reading (24) so there is no need for further Board action on reading. But the final concorded score for math is 24.5 instead of 24 (as was

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identified in the preliminary study) so the final PSAT achievement standard for the math Essential Skill must be adopted by the State Board.

### **POLICY ISSUE OR CONCERNS (IF APPLICABLE)**

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Both PSAT and SAT have been revised and the revised forms have been recommended by AESRP to the State Board for use in demonstrating the Essential Skills. One of the revisions to these tests is that now PSAT and SAT are on the same scale and the concorded math scores recommended for adoption on both tests are 24.5. Similarly, the SAT reading score of 24 that is recommended for adoption is the same as the reading PSAT score that was already adopted.

ODE will need to be attentive to communication and outreach about this achievement standard as there is potential for confusion around the fact that there was one achievement standard (24) adopted for students pursuing graduation in 2016 and a different achievement standard (24.5) for students who graduate later, including students who are pursuing graduation in 2016 but do not ultimately graduate in 2016 and instead graduate in 2017 or later.

### **CHANGED SINCE LAST BOARD MEETING? (IF APPLICABLE)**

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- N/A; first read—hasn't been before board
- No; same as last month
- Yes – As follows: The preliminary concorded score was 24 and the final concorded score is 24.5.

### **EFFECT OF A “YES” OR “NO” VOTE (AS APPROPRIATE)**

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**EFFECT OF YES VOTE:** If the board adopts the concorded PSAT score, students will continue to have PSAT as an assessment option for demonstrating proficiency in the math Essential Skills.

**EFFECT OF NO VOTE:** If the board does not adopt the concorded PSAT score, students will not continue to have PSAT as an assessment option for demonstrating proficiency in the math Essential Skills.

### **STAFF RECOMMENDATION**

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- Approve     Approve next month     No recommendation at this time

**Hearing Date:**

**Prompted by:**

- State law changes     Federal law changes     other

Revisions to the PSAT test, which has been an approved option for demonstrating proficiency in the Essential Skills of math.

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## **FISCAL ANALYSIS**

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None

## **ATTACHMENTS**

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None