

Measurements of Student Progress (MSP) Mathematics Assessment Updates

Grades 6–8

WERA PRESENTATION
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Agenda

- ▶ **Goal**
 - Provide information and resources to educators and students

- ▶ **Resources for Teachers**
 - 2011 Lessons Learned
 - Updates for 2012
 - MSP Support Moodle
 - Calculator Policy Video

- ▶ **Upcoming Events**



Resources



2011 Lessons Learned

<http://www.k12.wa.us/Mathematics/LessonsLearned.aspx>

- ▶ Based on Rangefinding, Scoring and Data Review
- ▶ Operational Items
 - Items used to determine a student's score
- ▶ Pilot Items
 - Items being tested to see how the items perform
 - Not used to determine a student's score



2011 Lessons Learned

- ▶ **Multiple-Choice Items**
 - Answer every item; there is no penalty for guessing
- ▶ **Completion Items**
 - Erase completely answers students want to change
 - When a scorer cannot read a student's answer because a number is written on top of another number, the student is not given credit
- ▶ **Short-Answer Items**
 - Cross off any work students do not want scored



2011 Lessons Learned

- ▶ All grade levels
 - Round or truncate only the final answer
 - Use specific information from the prompt, diagram, equation, graph, etc. when supporting a statement or conclusion
 - Use equal signs correctly when writing equations.
 - Use appropriate approximations for π (pi) when calculating with π
 - Understand the value of a numeric expression is a single number



2011 Lessons Learned

- ▶ Grade 6
 - Develop strategies to decompose composite figures into rectangles, triangles, and parts of circles
- ▶ Grade 7
 - Use corresponding parts when solving problems involving similar figures
- ▶ Grade 8
 - Have more practice identifying the meaning of numbers in different regions of three-circle Venn Diagram



Updates for 2012

<http://www.k12.wa.us/Mathematics/Resources.aspx>

- ▶ Three documents: Grades 3–5, 6–8 and EOC
- ▶ Vocabulary (Excel Workbook)
- ▶ Testing Windows
- ▶ Manipulatives and Tools Allowed
- ▶ Common Core State Standards Initiative
- ▶ Sample Items for Grades 6–8
- ▶ Other Resources



Online Assessment Information

- ▶ Tutorial and Demo Available in January 2012
- ▶ Scoring
 - Multiple-Choice items are computer scored
 - Completion items are mostly computer scored:
 - Look-up table for correct answers
 - Look-up table for incorrect answers
 - Responses not on either table are handscored
 - Short-Answer items are handscored



Sample Items

- ▶ Newly created items
 - Modeled on existing MSP items
 - Format matches MSP items
 - Have not gone through all the reviews an item goes through prior to use on MSP
- ▶ Connection to Lessons Learned
 - Items were created to address skill deficiencies identified
 - Multiple items for the same PE shows different ways to assess the same skill



MSP Support Moodle

<http://moodle.ospi.k12.wa.us/course/view.php?id=28>

- ▶ Create a free account
- ▶ Sections include:
 - Links to OSPI information and resources
 - Teacher–Created resource database
 - Grade level discussion forums
 - MSP item writing resources
 - MSP online testing information



Calculator Policy Video

- ▶ On the End-of-Course Supports Moodle

<http://moodle.ospi.k12.wa.us/course/view.php?id=18>

- ▶ Purpose

- To clarify the calculator policy
- Answer questions from the field

- ▶ Calculator policy is online at

<http://www.k12.wa.us/Mathematics/CalculatorPolicy.aspx>



Upcoming Events



Item Writing for EOC

- ▶ Purpose: Write items for the end-of-course exams
- ▶ Who: Algebra 1 / Geometry, Integrated 1 / 2 educators, coaches, administrators, etc.
- ▶ Where: Olympia, Washington
- ▶ When: February 28 – March 1



Item Writing

▶ Why:

- Gain more thorough knowledge of the standards
- Learn how to write items that measure a performance expectation for benchmark tests, unit tests, common assessments, etc.

▶ How: Apply online at

<http://www.k12.wa.us/Mathematics/default.aspx>

(In the “What’s New” box on the right)



Want more information?

- ▶ Sign up for Movers & Shakers emails to receive pertinent mathematics information, meetings, workshops, and other mathematics notices
- ▶ Email mathematics@k12.wa.us and be sure to include request for Movers and Shakers



Questions?





Thank you
for all you do
for the
students
of Washington
State!

